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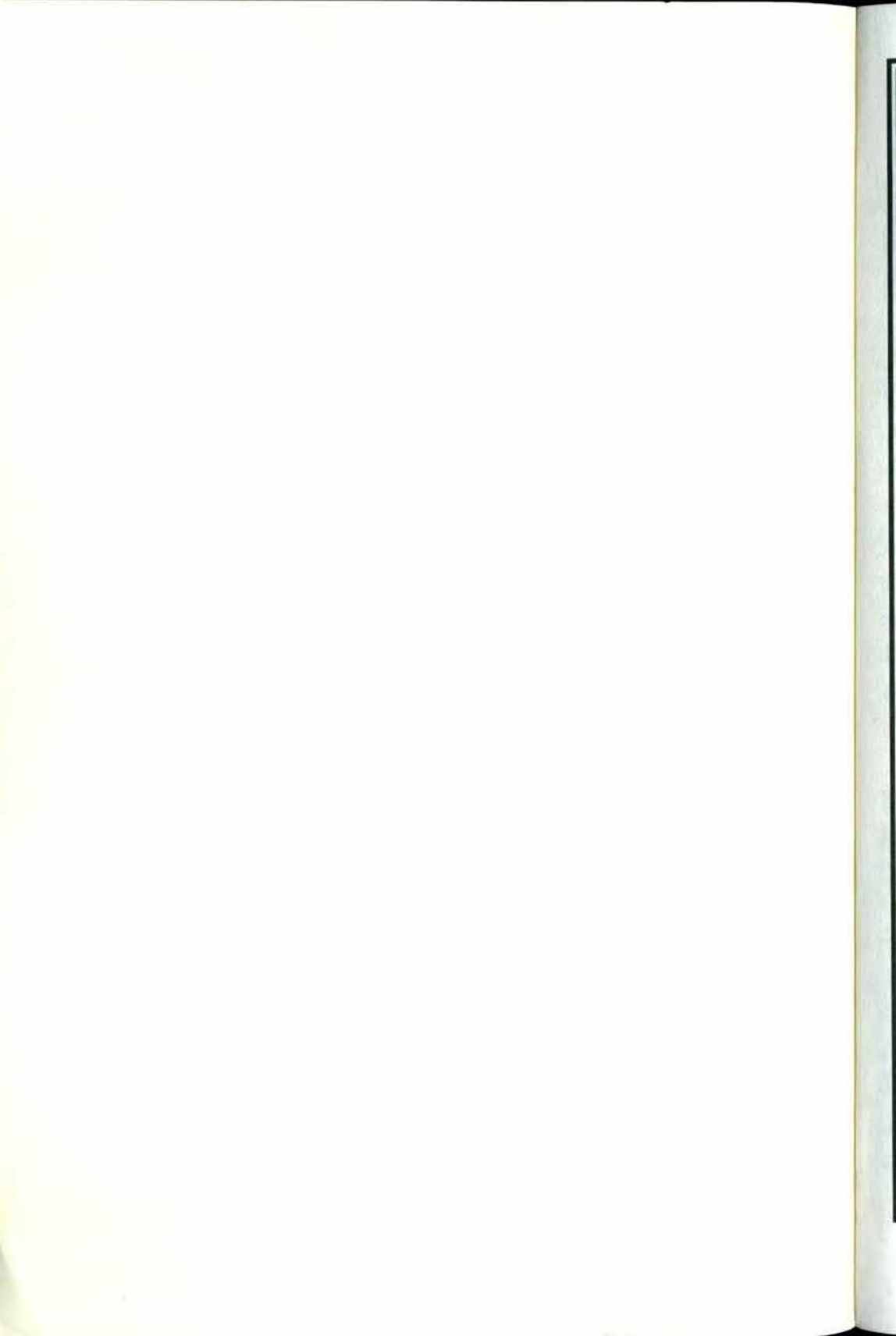
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1999-2001 UNDERGRADUATE CATALOG



Marshall University

**GENERAL
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CATALOG**

1999-2001

Huntington, West Virginia

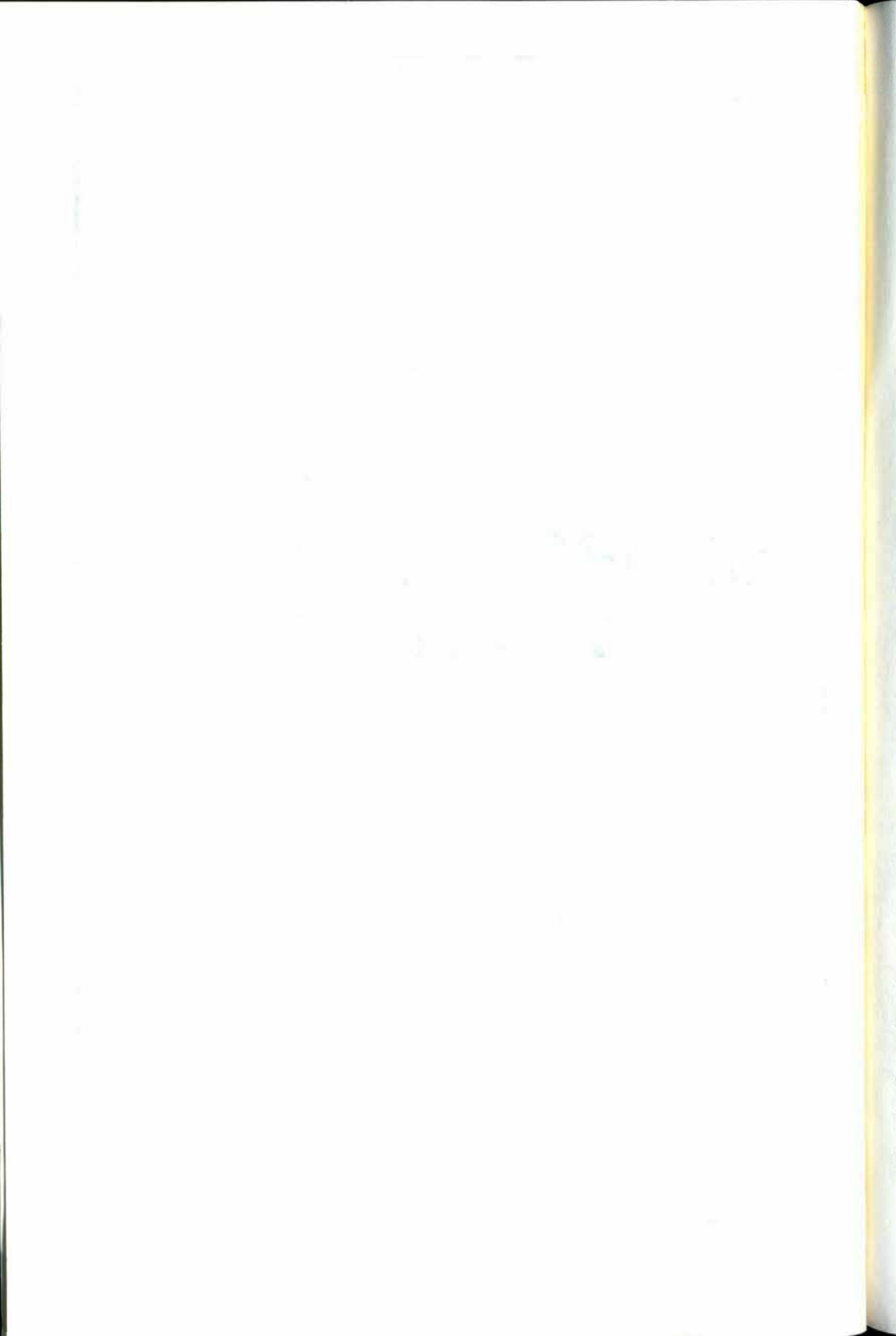
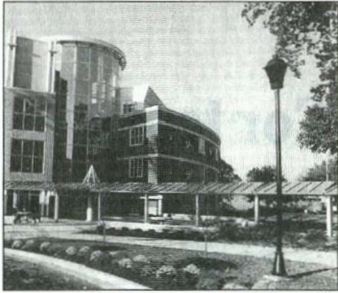




Table of Contents

About Marshall University	4
Undergraduate Four-Year Degrees	16
Admissions	20
Financial Information: Fees and Scholarships	37
Special Programs	50
Learning Opportunities and Resources	56
University Policies and Procedures	79
Academic Information	82
Elizabeth McDowell Lewis College of Business	116
College of Education and Human Services	134
College of Fine Arts	185
College of Liberal Arts	199
College of Nursing and Health Professions	221
College of Science	243
W. Page Pitt School of Journalism and Mass Communications	274
School of Medicine	280
Marshall Community and Technical College	285
Marshall University Graduate College	287
Courses of Instruction	288
The Faculty	379
University Calendar	389
INDEX	395



About Marshall University

- Dr. Sarah N. Denman, Senior Vice President for Academic Affairs and Provost**
Dr. K. Edward Grose, Senior Vice President for Operations
Dr. Joe Mitchell, Senior Vice President for Development and Planning
Dr. Betty Cleckley, Vice President for Multicultural & International Programs
Mr. Herb Karlet, Vice President for Finance
Mr. F. Layton Cottrill, Jr., Vice President for Executive Affairs & General Counsel
Dr. Charles McKown, Vice President for Health Sciences
Dr. James W. Hooper, Vice President for Research
Dr. Robert Hayes, Interim Provost, Marshall Community & Technical College
Mr. Kemp Winfree, Vice President MUGC - SC
Dr. Carolyn Hunter, Vice President for Alumni Development
Ms. Charlotte Weber, Vice President for Federal Programs
Ms. Jan I. Fox, Vice President for Information Technology
Dr. H. Keith Spears, Vice President for Communications
Dr. Ron Childress, Vice President for Graduate Studies

Marshall University, one of West Virginia's two state universities, encourages individual growth by offering programs and instruction in attainment of scholarship, acquisition of skills, and development of personality.

The university provides students with opportunities to understand and make contributions to the culture in which they live; to develop and maintain physical health; to participate in democratic processes; to learn worthwhile moral, social, and economic values; to develop intellectual curiosity and the desire to continue personal growth; and to share in a varied cultural program.

Professional, technical, and industrial career studies are available through the various departments of the university.

Marshall also recognizes an obligation to the state and community by offering evening, off-campus, and Internet classes, as well as lectures, musical programs, conferences, forums, and other campus and field activities.

MISSION OF THE UNIVERSITY

General Statement of Purpose

Upon graduation a baccalaureate student should (1) think logically, critically, and creatively and be able to recognize this ability in others; (2) communicate ideas clearly and effectively both in speaking and writing; (3) evaluate the influences that help to shape individuals, institutions, and societies; (4) understand the values, achievements, and aesthetic contributions of past and present cultures; and (5) perceive, investigate, and solve problems by enlisting the most appropriate historical, comparative, quantitative, and qualitative research methods available.

Statement of Philosophy

While institutions of higher education differ in size and function, they share a common core of values; these help shape and guide their academic life. Marshall University is committed to seven basic principles.

- The first and most basic commitment of Marshall University is to undergraduate education.
- A second and major commitment of Marshall University is the enhancement of graduate education.
- Third, Marshall University is committed to expanding the body of human knowledge and achievement through research and creative arts activities.
- A fourth characteristic of Marshall University is its commitment to society through public service.
- A fifth commitment of this university is diversity in its student body, its faculty and staff, and its educational programs.
- A sixth commitment of Marshall University is to academic freedom and shared governance.
- Finally, Marshall University is committed to assuring the integrity of the curriculum through the maintenance of rigorous standards and high expectations for student learning and performance.

Identification of Areas of Current Emphasis

The following areas of emphasis will command the commitment of institutional resources.

- A commitment to **high quality undergraduate liberal arts education**, broadly defined.
- A commitment to **rural health care**, including medicine, nursing, nutrition, health education, health care management, etc.
- A commitment to **schools and schooling**, including teacher education and the setting of the agenda for education in southern West Virginia.
- **Economic development**, which would include programs in education, science, business, the Community and Technical College, perhaps engineering, and a broad range of fields.
- A commitment to the **fine arts and humanities** because Marshall is and should be the cultural center of this community.

(continued)

- A new commitment to **high quality graduate programs** (master's, specialists, and doctoral degrees).
- Finally, a university concerned with **environmental issues** which, unquestionably, will be a dominant factor of life in the 21st Century.

In accord with the first and most basic commitment of Marshall University as outlined in the Statement of Philosophy of the Mission Statement and the above seven areas of emphasis, Marshall University will strive to develop programs that will be recognized nationally for their excellence. Toward this goal strong emphasis will be placed on high quality teaching and interaction with the individual student. Uniform guidelines for monitoring instruction and corrective measures will be developed and implemented by college deans. Programs that have University commitment to independent accrediting will be brought into compliance and maintain accrediting agency guidelines.

HISTORY

The Beginning

Marshall University traces its origin to 1837, when residents of the community of Guyandotte and the farming country nearby decided their youngsters needed a school that would be in session more than three months a year. Tradition has it that they met at the home of lawyer John Laidley, planned their school, and named it Marshall Academy in honor of Laidley's friend, the late Chief Justice John Marshall. At the spot called Maple Grove they chose one and one-quarter acres of land on which stood a small log building known as Mount Hebron Church. It had been the site of a three-month subscription school and remained that for another term. Eventually \$40 was paid for the site.

The Academy and the College

On March 30, 1838, the Virginia General Assembly formally incorporated Marshall Academy. Its first full term was conducted in 1838-39. For decades the fledgling school faced serious problems, most of them financial. The Civil War forced it to close for several years, but in 1867 the West Virginia Legislature renewed its vitality by creating the State Normal School at Marshall College to train teachers. This eased Marshall's problems somewhat, but it was not until the tenure of President Lawrence J. Corbly from 1896 to 1915 that the college began its real growth. In 1907, enrollment exceeded 1,000.

1920:	College of Education
1921:	First college degree
1924:	College of Arts and Sciences
1948:	Graduate School
1960:	College of Applied Science
1969:	School of Business
1972:	College of Business and Applied Science
1974:	School of Medicine and Associated Health
1975:	Community College
1976:	College of Science
1977:	College of Liberal Arts
1977:	College of Business

- 1978: School of Nursing
- 1978: Associated Health Professions to the College of Science
- 1978: School of Journalism, within the College of Liberal Arts
- 1984: College of Fine Arts
- 1991: Community and Technical College
- 1992: Ph.D. degree in Biomedical Sciences
- 1994: College of Business renamed the Elizabeth McDowell Lewis College of Business
- 1997: Marshall University Graduate College, merging the Graduate School and the West Virginia Graduate College
- 1998: College of Nursing and Health Professions
- 1998: School of Journalism & Mass Communications

The University

Marshall was granted university status in 1961. The university now functions through eleven academic units: the Lewis College of Business, the College of Education and Human Services, the College of Fine Arts, the College of Liberal Arts, the College of Nursing and Health Professions, the College of Science, the Community and Technical College, the Graduate College, the Graduate School of Information Technology and Engineering, the School of Journalism and Mass Communications, and the School of Medicine.

ACCREDITATIONS

- **North Central Association of Colleges and Schools** (30 North LaSalle Street, Suite 2400, Chicago, IL 60602; toll-free 1-800-621-7440) accredits Marshall University as an institution of higher learning
- **Accreditation Board for Engineering Technology** accredits the Engineering Technology program
- **Accreditation Council for Continuing Medical Education** accredits the School of Medicine's Continuing Medical Education program
- **Accreditation Council for Graduate Medical Education** accredits the School of Medicine's Residency Programs in Internal Medicine, Pathology, Transitional Year, Surgery, Pediatrics, Family Practice and Obstetrics/Gynecology
- **AACSB/The International Association for Management Education** accredits the Elizabeth McDowell Lewis College of Business
- **American Chemical Society** accredits the Department of Chemistry
- **Accrediting Council on Education in Journalism and Mass Communication** (University of Kansas School of Journalism, Stauffer-Flint Hall, Lawrence, KS 66045; telephone 913-864-3986) accredits the W. Page Pitt School of Journalism & Mass Communications
- **American Medical Association's Commission on Accreditation of Allied Health Education Programs** and the **Council on Education of the American Health**

(continued)

Information Management Association accredit the Health Information Technology program

- **Association of Collegiate Business Schools and Programs** accredits the Community & Technology College programs in Banking and Finance, Management Technology, and Office Technology
- **Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association** (Trans Potomac Plaza, 1111 North Fairfax Street, Alexandria, VA 22314; telephone 703-684-3245) accredits the physical therapist assistant program
- **Commission on Accreditation of Allied Health Education Programs** (35 East Wacker Drive, Suite 1970, Chicago, IL 60610; telephone 312-553-9355) accredits the Athletic Trainer program
- **Council on Academic Accreditation of the American Speech-Language-Hearing Association** (10801 Rockville Pike, Rockville, MD; telephone 301-897-5700) accredits the Communication Disorders graduate program
- **Council on Accreditation of Allied Health Education Programs** (35 East Wacker Drive, Suite 1970, Chicago, IL 60610; telephone 312-553-9355) and the **American Society of Cytology** accredit the Cytotechnology program
- **Council on Social Work Education** (1600 Duke Street, Alexandria VA 22314; telephone 703-683-8080) accredits the Social Work program
- **Liaison Committee on Medical Education of the American Medical Association and the Association of American Medical Colleges** (515 North State Street, Chicago, IL 60610; telephone 312-464-4657) accredit the School of Medicine
- **National Accrediting Agency for Clinical Laboratory Sciences** (8410 West Bryn Mawr Avenue, Suite 670; Chicago, IL; 312-714-8880) accredits the Medical Technology program and the Medical Laboratory Technician program
- **National Association of Schools of Music** (11250 Roger Bacon Drive, Reston, VA 22090; 703-437-0700) accredits the Department of Music
- **National Council for Accreditation of Teacher Education and the West Virginia State Department of Education** accredit the teacher education program
- **National League for Nursing Accreditation Commission** (350 Hudson Steet, New York, NY 10014; toll-free 1-800-669-1656) accredits programs for the Bachelor of Science in Nursing and the Master of Science in Nursing
- **National Recreation and Park Association and the American Alliance of Leisure and Recreation** accredit the Park Resources and Leisure Service program
- **Related Accreditation Commission of the Accreditation Board for Engineering & Technology** (111 Market Place, Suite 1050, Baltimore, MD 21202; telephone 410-347-7700) conditionally accredits the Safety Technology undergraduate program
- **World Safety Organization** accredits undergraduate and graduate programs in Safety Technology

APPROVALS

- **American Association of University Women** approves Marshall University
- **American Bar Association** approves the Legal Assisting program
- **American Dietetic Association Council on Education Accreditation/Approval** approves the Didactic Program in Dietetics
- **Federal Immigration and Nationality Act** approves Marshall University for attendance of nonimmigrant international students

MEMBERSHIPS IN MAJOR ORGANIZATIONS

- **AACSB/The International Association for Management Education**
- **American Association for Affirmative Action**
- **American Association of Colleges for Teacher Education**
- **American Association of Community and Junior Colleges**
- **American Association of Family & Consumer Sciences**
- **American Association of State Colleges and Universities**
- **American Council on Education**
- **American Library Association**
- **Association of American Medical Colleges**
- **Association of Departments of English, MLA**
- **Association of Schools of Journalism and Mass Communications**
- **Council of Colleges of Arts and Sciences**
- **Council of Graduate Schools in the United States**
- **International Council of Fine Arts Deans**
- **NACUBO-SACUBO**
- **National Collegiate Athletic Association**
- **Southern Council on Collegiate Education for Nursing**
- **Teacher Education Council of State Colleges & Universities**

THE FACULTY

There are more than 600 full-time faculty at Marshall University, and of them, 80 percent hold the highest degree in their fields of specialization. The faculty's first

commitment is to teaching. The second responsibility is to advancing scholarly and creative work, and service is the third area of professional obligation. Each year Marshall University honors its faculty by recognizing outstanding teaching, notable scholarship, and distinguished service.

In the words of a Marshall undergraduate, "The professors here are concerned with helping the student. If you make the effort to approach them, they are willing to go to great lengths to assist you."

Faculty are identified in the departmental sections of this catalog and in the faculty listing.

STUDENT ENROLLMENT

At the beginning of the 1998-1999 academic year, enrollment was in excess of 16,000 students. As enrollments increase, the academic qualifications of incoming freshmen also rise from one year to the next. Retention of students is also increasing as individual colleges engage in programs and activities designed to help students achieve academic success.

THE COMMUNITY

The main campus of Marshall University lies within the city of Huntington, West Virginia, which is just across the Ohio River from Ohio and thirteen miles from the Kentucky border.

Huntington is a safe, picturesque city with hospitals, libraries, restaurants, a renowned museum, a city-wide park, and nearby hand-blown glass factories. Concerts and theatrical productions take place in outdoor amphitheaters located in the park and along the riverfront.

A strong "town-gown" relationship benefits both the Huntington community and Marshall University, and is particularly evident in the mutual support of cultural activities and community support of the university's athletic events.

THE CAMPUSES

The Huntington campus of Marshall University encompasses about 70 acres in its urban setting. It is bounded on the north by 3rd Avenue, on the south by Fifth Avenue, on the west by Hal Greer Boulevard, and on the east by 20th Street. The Medical School is located several blocks to the south. This campus is 126 miles east of Lexington, Kentucky, and 50 miles west of Charleston, West Virginia.

The campus of the Marshall University Graduate College lies 46 miles to the east of the campus in Huntington, and covers about 29 acres in South Charleston, West Virginia. There are two buildings at the South Charleston campus.

Most campus buildings are of brick. In Huntington, the newest structure, the Drinko Library, was designed to harmonize on its western side with the traditional style of the oldest building beside it on campus, Old Main. Computer facilities on a fiberoptic network are in every campus building for students, faculty and staff.

The University takes great pride in its continuing efforts to maintain a barrier-free campus for individuals with physical limitations.

HUNTINGTON CAMPUS

Birke Gallery, located on the first floor of Smith Hall at the northwest corner of campus, was named to honor the family of Helen Birke, a former Huntington patroness of the arts. The facility was enlarged in 1993. Directed by the art department, the Birke Gallery mounts exhibits of student and professional art works for the benefit of art students, the campus at large and the entire community.

Buskirk Hall, a six-story women's residence with a capacity of approximately 250 women, is on the east side of the inner campus. Opened in 1965 as West Hall, it was renamed in 1976 to honor Lillian Helms Buskirk, who was Dean of Women from 1941 until 1970. The sixth floor is designated as a Quiet Floor. Buskirk Hall is accessible to people with disabilities, and living on the ground level floor offers additional special facilities for physically challenged residents.

Cabell Hall, at the east end of campus on the corner of Seventh Avenue and 20th Street, opened in Fall 1998 as part of the Community and Technical College. It provides classrooms, a computer laboratory and an allied health laboratory, conference rooms, and offices for faculty and staff. A former church, the building has been a local landmark, and now is renamed in honor of William Cabell, seventh governor of Virginia (1805-1808). Marshall University is in Cabell county, which was founded in 1809 and named for the former governor.

Cam Henderson Center, opened in 1981, presents a spectacular profile against the campus skyline on Third Avenue on the north side of campus. The facility was named to honor legendary coach Cam Henderson, whose career at Marshall extended from 1935 to 1955. Special features include a 9,000+-seat basketball arena, four secondary basketball courts, racquetball courts, training rooms, weights rooms, locker rooms and meeting rooms. The Frederick A. Fitch Natatorium, an 800-seat swimming area, was named in honor of a professor and chair of physical education. The building contains human performance labs, intercollegiate offices, the Sports Information office, the Big Green Scholarship office, the athletic events ticket office, and the Marshall University Research Center offices for grant and contract development.

Campus Christian Center, completed in 1961 on Fifth Avenue beside the Memorial Student Center, is privately owned and operated by a corporation whose Board of Directors is elected by nine Christian denominations. No state funds were involved in its construction. The building contains a chapel, conference rooms, fellowship hall and kitchen, lounge, office space for campus ministers, workshop rooms, and the Stewart H. Smith religious library, named to honor the President (1946 to 1968) of Marshall College and then Marshall University.

Career Service Center, located on Fifth Avenue southeast of the main campus, provides career guidance and planning for those students seeking employment.

Communications Building, the third building of the Smith Hall Complex, was completed in 1970. Located on Third Avenue at the east end of the complex, it houses the studios of WMUL-FM radio and WPBY-TV, the instructional television facilities, and the Department of Safety Technology.

Community & Technical College Building, located on 18th Street on the eastern side of campus, was constructed in 1942 and served as the University Dining Hall for nearly 30 years. In 1975, extensive renovations added three laboratory classrooms as well as faculty and administrative offices for the Community College. In 1998 the lower level was redesigned to house the University Academic Support Center which provides tutoring services, a component of the Writing Center, and academic advising for students who have not yet declared majors.

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Corbly Hall, a four-story building located at the southwest corner of campus, was named for Lawrence J. Corbly, who served as "principal" of Marshall College from 1896 to 1907, and as its first president from 1907 to 1915. When dedicated in November 1980, Corbly Hall was the largest academic building in the West Virginia state system of higher education. It is the home of the Lewis College of Business, which includes the Division of Accountancy and Legal Environment, the Division of Finance and Economics, and the Division of Management and Marketing. Corbly also houses the family and consumer sciences program, the business and office technology programs, and the department of English, which includes the Writing Center.

Drinko Library, located on the western side of campus beside Old Main, opened in 1998 and is named for John Deaver Drinko, a Marshall graduate, philanthropist, and strong supporter of higher education. This is a 118,000 square foot, state-of-the-art facility. Its west side presents a traditional facade that is compatible with adjacent Old Main, while the east side, with an imposing five-story atrium, is modern in design. The dual outward appearance is reflected inside, as the facility melds a full range of traditional library services with state-of-the-art computer and distant education facilities that include multimedia training and presentation rooms, work stations and computer carrels. There is a 24-hour reading room with computer consultation stations. The collection includes 1.6 million items, of which 398,000 are books and bound periodicals, with a wide variety of media materials. The Drinko Library has study rooms, conference rooms, and an auditorium, and also houses offices of library staff and Information Technology, Instructional Technology and the University Computing Services.

Erickson Alumni Center, which opened in 1990 on Fifth Avenue at the western edge of the campus, was named to honor Charlie O. Erickson, who enabled the university to establish the facility. It provides reception and meeting rooms, and alumni staff offices.

Gullickson Hall, completed in 1961, adjoins the newer Cam Henderson Center at 18th Street and Fourth Avenue on the northeast side of campus. It was named in honor of Otto (Swede) Gullickson, who developed a large collegiate intramural program at Marshall beginning in 1930 and continuing for almost four decades. This three-story facility contains classrooms, offices, a gymnasium seating 250, the W. Don Williams Health and Fitness Center (named for a former division chair), dance studio, rifle range, steam room, and first-aid laboratory. It houses the Environmental Center, the department of health, physical education, and recreation, the Graduate School of Information Technology and Engineering (GSITE), the department of military science, and the Marshall University Research Center.

Harris Hall, on Third Avenue on the north side of campus, was completed in 1976 and named in honor of Arvil Ernest Harris, a political science and social studies professor who served as Dean of the Graduate School from 1948 to 1964. The four-story building houses the departments of classical studies, geography, history, religious studies, philosophy, psychology, counseling and rehabilitation, adult and technical education, and administrative education.

Hodges Hall, a three-story men's residence hall on the southeast side of the inner campus, was built during Marshall's centennial year of 1937 and expanded in 1969. It was named for Thomas E. Hodges, who served as president of Marshall College from 1886 to 1896. The third floor is designated as a quiet floor; the floors have single, double, and double suite rooms.

Holderby Hall, built in 1963 on Fifth Avenue as South Hall to house male students, was enlarged in 1969 to become a nine-story co-ed residence hall with men in the east wing and women in the west wing. In 1980 it was renamed in honor of James Holderby, who in 1837 sold one and one-fourth acres of his farm to establish Marshall Academy.

Living areas on the ground level floor offer additional special facilities for physically challenged male students. A cafeteria is located on the first floor.

Jenkins Hall, constructed in 1937 and located on the eastern side of the inner campus, was named in honor of a distinguished Confederate cavalry officer, General Albert Gallatin Jenkins, who was a native of Cabell County. Until 1970 the building provided kindergarten through high school education and served as a laboratory for prospective teachers. Now Jenkins houses administration, offices, and classrooms of the College of Education and Human Services. Within the College, the School of Education includes the Division of Teacher Education and the Division of Educational Leadership, and the School of Human Services includes the Division of Health, Physical Education and Recreation and the Division of Human Development and Allied Technology. The facility includes a statistical laboratory, a learning resource center, a mathematics education laboratory, a school plant laboratory, and an adult reading center.

Joan C. Edwards Performing Arts Center is located on Fifth Avenue on the south side of campus across from Memorial Student Center. Completed in 1992, the facility was named to honor Joan C. Edwards, a Huntington philanthropist and patroness of the arts. The facility includes performance and support space for a 530-seat theater auditorium, an experimental theater, and rehearsal rooms. The structure is the first phase of the planned Fine Arts Facility for the College of Fine Arts.

Laidley Hall, built in 1937 on Third Avenue on the north side of campus, was named for John Laidley, who founded Marshall Academy in 1837 and named the school for his friend and colleague, Chief United States Supreme Court Justice John Marshall. Enlarged in 1969, the three-story co-ed residence hall houses the offices of the Department of Residence Services on the first floor. "Honors" placements are available on the second and third floors to sophomores and upper-class students whose cumulative GPAs are 3.3 or better. The majority of the rooms are rented as singles.

Marshall University Medical Center, located at 1600 Medical Center Drive several blocks south of the main campus and adjacent to Cabell Huntington Hospital, opened in 1998 as the new home of the Marshall University School of Medicine. It is a dual complex composed of the Robert C. Byrd Center for Rural Health (honoring U. S. Senator Byrd) and the University Physicians Center. The four-floor structure houses the departments of Psychiatry & Behavioral Medicine, Internal Medicine, Family Practice, Surgery, Pediatrics, and Obstetrics/Gynecology. The facility also includes the outpatient Hanshaw Geriatric Center (named for Frank E. Hanshaw, Sr., a founder and first president of the Marshall University Foundation), Cardiovascular Services, a Health Science Library, offices for the School of Medicine, and an auditorium & teleconference center.

Marshall University Stadium, built in 1991, is located at the corner of 20th Street and Third Avenue on the eastern end of campus. The 30,000 seat stadium has an artificial playing surface of 53,147 square feet, and houses luxury boxes, coaches' boxes, a working press area, and a Big Green meeting room. On the east side of the stadium is a 129,000 square foot grass practice field.

Memorial Student Center, located on Fifth Avenue on the south side of campus, was completed in 1971. Its name commemorates the loss of the entire Marshall football team in a 1970 plane crash. On the campus side a plaza is centered by a fountain designed by sculptor Harry Bertoia with 75 points at the top that represent those lives lost in the crash. The building houses offices of student government, student activities, and the minority student program. It includes a large central lounge, study areas, a cafeteria, three dining rooms, a snack bar, and meeting and conference rooms. Memorial Student Center also houses the University Bookstore, which was renovated and enlarged in 1998.

(continued)

Morrow Library, located on Third Avenue on the north side of campus, was constructed in 1930 and named to honor James E. Morrow, who headed Marshall College from 1872-73 (he was the grandfather of Anne Morrow Lindbergh). An addition completed in 1967 doubled its size to over 100,000 square feet. With the opening of the Drinko Library in 1998 as the university's major library facility, Morrow Library now houses 200,000 volumes, special collections of West Virginiana, University archives which relate to the history of the institution, manuscript collections of local and regional interest, and the Rosanna Blake Library of Confederate History (named to honor its donor) that includes resources on antebellum Southern history. Morrow Library is also a federal depository for Government Documents, with a collection of over one million items.

Myers Hall, completed in 1992 on 18th Street at the east end of campus, was named to honor Wilbur E. Myers, who contributed most of the private funds used to build and furnish the facility. The structure houses the nationally recognized Higher Education for Learning Problems (H.E.L.P.) Center which provides services for those college students diagnosed as having learning disabilities such as dyslexia or attention deficiency disorder.

Old Main, Marshall University's administrative building, faces Hal Greer Boulevard and Fourth Avenue on the west side of campus. The oldest building at Marshall University, Old Main is actually five buildings joined together in a series of additions constructed between the years 1868 and 1908. Its towers have become the symbol of the university to alumni. Old Main houses the principal administrative offices of the university and the office of the College of Liberal Arts. On the second floor is the John Deaver Drinko Academy, named for a graduate and supporter of the university, and the Center for Academic Excellence which includes the Honors program, the John Marshall Scholars program, and the Society of Yeager Scholars, named for the West Virginia pioneering aviator General Charles E. Yeager.

One Room School Museum, located on Fifth Avenue near the Memorial Student Center, was a former one-room school dating from 1889 in Cabell County. It was moved to the Marshall main campus and dedicated in 1995 to honor West Virginia's rural education heritage.

Prichard Hall, situated in the eastern mid-part of the inner campus, was completed in 1955 and named in honor of Lucy Prichard, a distinguished professor of classics and faculty leader during the 1920s and 30s. Formerly a residence hall, this four-story structure was renovated in 1973 and now houses the classrooms of the College of Nursing and Health Professions and the School of Extended Education, as well as the offices of counseling, the Regents Bachelor's Degree Program, Student Support Services, the Marshall Technology Institute, and the Women's Center.

Robert C. Byrd Institute for Advanced Flexible Manufacturing, envisioned by West Virginia's senior U.S. Senator for whom it was named, provides technical, hands-on assistance with state-of-the-art capabilities for small and medium-sized manufacturers. Since opening in 1991 on Fourth Avenue in downtown Huntington, the RCBI has expanded its operations through four additional manufacturing technology centers in strategic locations around the state.

Science Building, located on Third Avenue on the north side of campus, was completed in 1942 and expanded in 1985 and 1995. The facility houses administration, offices, classrooms and laboratories of the College of Science, which is organized into the Division of Biological Sciences, the Division of Mathematics and Applied Sciences, and the Division of Physical Sciences. In addition the Science Building includes laboratories and offices of the Clinical Laboratory Services department, animal quarters, a greenhouse, and a chemical storage building on the east side.

Smith Hall complex includes **Smith Hall**, **Smith Music Hall**, and the **Communications Building**.

Smith Hall, a seven-story structure on Third Avenue at the northwest corner of campus, opened in 1967 and was named in honor of Stewart H. Smith, President of Marshall University from 1946 to 1968. It houses the departments of art, communication disorders, communication studies, criminal justice, mathematics, modern languages, political science, sociology and anthropology, and the School of Journalism and Mass Communications, as well as the offices of the College of Fine Arts and the Marshall Artists Series, and the Birke Art Gallery. The WPBY satellite antenna sits atop the structure, which has an 84-car parking garage in the lower level.

Smith Music Hall, at the northwest corner of campus and part of the Smith Hall complex, was opened in 1967. Named to honor Evelyn Hollberg Smith, whose husband served as President of Marshall University from 1946 to 1968, the facility is home to the department of music. It contains classrooms, faculty studios, practice rooms, a listening laboratory, a music library, a 490-seat recital hall, and rehearsal facilities for vocal and instrumental performances of both individuals and group ensembles.

Sorrell Maintenance Building, named in honor of Howard K. Sorrell who was a service engineer at Marshall University for 35 years, was constructed in 1965 on 20th Street at the eastern end of campus. It houses the departments of physical plant, facilities planning and management, and receiving, in addition to supply rooms and storage facilities.

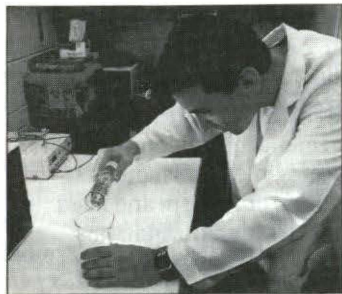
Twin Towers East and West, which opened in 1969, stand on Fifth Avenue on the southeast side of campus. These buildings are fifteen-story residences for men and women, respectively. In each residence the third, fourteenth and fifteenth floors are designated Quiet Floors. Both buildings are accessible to people with disabilities, and both have living spaces on the second floors which offer additional special facilities for physically challenged residents. A cafeteria, which connects the two Towers, is located on the first floor of each building.

Welcome Center, opened in 1995, is located on Fifth Avenue at 18th Street on the northeast side of campus, opposite the Twin Towers residence halls. Staffed 24 hours a day, seven days a week, the Welcome Center provides introductory information about the university, some admissions and registration activities, and offers campus tours. The structure also houses the Department of Public Safety.

SOUTH CHARLESTON CAMPUS

Administration Building houses the admission office, bookstore, classrooms (including an electronic classroom), and two computer labs, in addition to offices for faculty and staff.

Robert C. Byrd Academic and Technology Center is named for senior U.S. Senator Byrd in recognition of his efforts on behalf of education in West Virginia. The facility contains thirteen classrooms (including an electronic classroom) and the Robert C. Byrd Institute. On the first floor it also houses the Marshall University Graduate College Library, opened in the spring 1998 semester, which holds a core collection of 6,500 volumes and 420 journal subscriptions, and shares resources with libraries on the Huntington campus that include several databases through Marshall's Web gateway. A daily courier service delivers materials between the two campuses.



Undergraduate Four-Year Degrees

FOUR-YEAR DEGREE PROGRAMS OFFERED AT MARSHALL UNIVERSITY

An *Area of Emphasis* is a specific subject area of study which has limited course offerings within an approved degree program and major. Normally, a minimum of twelve (12) credit hours would be expected for an area of emphasis at the undergraduate level. Areas of emphasis are indented below under Program.

A *program* is a unified series of courses or learning experiences that lead to a degree.

Degree Abbreviations:

- B.A.: Bachelor of Arts
- B.B.A.: Bachelor of Business Administration
- B.F.A.: Bachelor of Fine Arts
- B.S.: Bachelor of Science
- B.S.W.: Bachelor of Social Work

College Abbreviations:

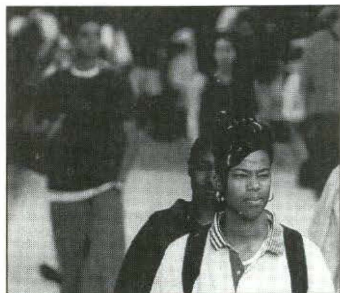
- COEHS: College of Education and Human Services
- COFA: College of Fine Arts
- COLA: College of Liberal Arts
- CONHP: College of Nursing and Health Professions
- COS: College of Science
- LCOB: Lewis College of Business
- SOJMC: School of Journalism and Mass Communications
- SOM: School of Medicine
- UC: University College

<i>Program</i>	<i>Degree</i>	<i>College</i>
Accounting	B.B.A.	LCOB
Basic Humanities	B.A.	COLA
Classical Studies		
Philosophy		
Religious Studies		
Biological Science	B.S.	COS
Pre-Dentistry		
Pre-Med		
Pre-Pharmacy		
Pre-Veterinary		

<i>Program</i>	<i>Degree</i>	<i>College</i>
Botany	B.S.	COS
Chemistry	B.S.	COS
Pre-Dentistry		
Pre-Med		
Pre-Pharmacy		
Pre-Veterinary		
Chemistry	B.S. Chemistry	COS
Classical Language: Latin	B.A.	COLA
Communication Disorders	B.A.	CONHP
Communication Studies	B.A.	COLA
Counseling	B.A.	COEHS
Criminal Justice	B.A.	COLA
Professional Career Studies		
Legal Studies		
Cytotechnology	B.S. Cytotech	CONHP
Dietetics	B.S.	CONHP
Economics	B.A.	COLA
Economics	B.B.A.	LCOB
International Economics		
Education, Elementary	BA	COEHS
(See Teacher Education)		
Education, Secondary	B.A.	COEHS
(See Teacher Education)		
English	B.A.	COLA
Environmental Biology	B.S.	COS
Environmental Science	B.S.	COS
Family and Consumer Science	B.A.	COEHS
Fashion Merchandising		
Food Service Management		
Finance	B.B.A.	LCOB
Geography	B.A., B.S.	COLA
Geology	B.A., B.S.	COS
Engineering Geology		
History	B.A.	COLA
Integrated Science and Technology	B.S.	COS
Biotechnology		
Environmental		
Information Technology		
Manufacturing		
International Affairs	B.A.	COLA
Journalism and Mass Communications	B.A.	SOJMC
Advertising		
Broadcast Journalism		
Print Journalism		
Public Relations		
Radio-Television		

<i>Program</i>	<i>Degree</i>	<i>College</i>
Management	B.B.A.	LCOB
Health Care Operations		
Management, Information Systems	B.B.A.	LCOB
Marketing	B.B.A.	LCOB
Business Logistics		
Mathematics	B.S.	COS
Medical Technology	B.S. Med Tech	CONHP
Microbiology	B.S.	COS
Modern Language	B.A.	COLA
French		
German		
Spanish		
Multidisciplinary Studies	B.A.	COLA
Music	B.F.A.	COFA
Performance		
Theory and Composition		
Nursing	B.S.N.	CONHP
RN Option		
Park Resources & Leisure Services	B.S.	COEHS
Physical Education	B.A.	COEHS
Adult Fitness		
Athletic Trainer (Comprehensive)		
Sports Management & Marketing		
Physics	B.S.	COS
Pre-Med		
Physiology/Molecular Biology	B.S.	COLA
Political Science	B.A.	COLA
Psychology	B.A.	COLA
Regents' Degree	R.B.A.	UC
Business Emphasis		
Safety Technology	B.S.	COEHS
Occupational Safety		
Secondary Education		
See Education, Secondary		
Social Work	B.S.W.	MUSOM
Sociology	B.A.	COLA
Applied		
Anthropology		
Teacher Education	B.A.	COEHS
Education, Elementary		
Early Education/PK-K		
Multi-Subject Education		

<i>Program</i>	<i>Degree</i>	<i>College</i>
<i>Teacher Education, continued</i>		
Education, Middle Childhood		
English, 5-9		
French, 5-9		
General Science, 5-9		
Mathematics, 5-9		
Oral Communication, 5-9		
Social Studies, 5-9		
Spanish, 5-9		
Education, Secondary		
Art 5-12		
Biological Sciences, 9-12		
Business Education, 9-12		
Chemistry, 9-12		
Consumer and Homemaking, 5-12		
Driver's Education, 9-12		
English, 5-12		
French, 5-12		
General Science, 5-12		
Health, 5-12		
Journalism, 9-12		
Latin, 9-12		
Marketing Education, 9-12		
Mathematics, 5-12		
Oral Communication, 5-12		
Physical Education, 5-12		
Physical Education, Athletic Trainer, 5-12		
Physics, 9-12		
Social Studies, 5-12		
Spanish, 5-12		
Education, Special		
Mentally Impaired, K-12		
Education, K-12		
Art, K-12		
Music, K-12		
Physical Education, K-12		
Theatre	B.F.A.	COFA
Acting/Directing		
Design/Theatre Technology		
General Theatre Studies		
Visual Art	B.F.A.	COFA
Crafts		
Graphic Design		
Painting		
Photography		
Printmaking		
Sculpture		
Zoology	B.S.	COS



Admissions

OFFICE OF ADMISSIONS

Dr. James Harless, Director

400 Hal Greer Boulevard

Huntington, West Virginia 25755

Telephone 1-800-642-3499 (in-state) or 1-304-696-3160

Admissions@marshall.edu

<http://www.marshall.edu/admissions/>

GENERAL ADMISSIONS PROCEDURE

Students applying for admission to Marshall University must use an application form available from the Office of Admissions. All the necessary supporting materials should be on file with the Office of Admissions at least two weeks before the opening of a semester or term. Requests for applications and additional information can be made online at:

<http://www.marshall.edu/admissions/info.html>

Application Fees: (all non-refundable)

Please make the check payable to Marshall University with the student's name and Social Security number on the check.

West Virginia Residents	\$15.00
Metro* Residents	\$30.00
Out-of-State Residents	\$30.00
Transfer Students Transfer Evaluation Fee is in addition to application fee above. Fee is applied to student's first semester tuition.	\$50.00

NECESSARY MATERIALS:

- Application form for admission.
- An official transcript of high school and/or college grades. A student who completes a college course while in high school or in summer school must submit a college transcript to the Admissions Office prior to first registration.
- ACT or SAT scores.*
- Application Fee (and Transfer evaluation fee if applicable).
- Immunization record required of all new freshmen and transfer students. Applicants can provide an immunization record signed by a physician or an official copy of the permanent high school health record including a report of the required immunizations. Students must provide proof of immunity before or during the first semester of enrollment or they will not be permitted to enroll in subsequent terms. Exemptions are granted for religious or medical reasons. Requests for exemptions should be made to the Office of Admissions.
- The Board of Trustees requires all first-time, full-time freshmen to submit the American College Test (ACT), or Scholastic Aptitude Test (SAT) test scores **except** applicants who graduated from high school more than five years ago. (Applicants who graduated from high school more than five years ago and who lack test scores must pass special Placement Exams or required developmental English and mathematics courses before they can enroll in required college courses in English composition and mathematics.) ACT or SAT test scores are used in placing students in sections of English and mathematics, for scholarship and loan applications, for academic counseling and in part to meet NCAA athletic eligibility requirements. High school students should take either test during the first semester of their senior year at the nearest test center. High school principals or counselors will have the necessary information and applications. Test results should be sent to the Admissions Office before a full-time student plans to participate in orientation or register for classes.

ADDITIONAL ADMISSIONS INFORMATION

- All credentials you submit in support of an application for admission become the property of the University. They will not be returned to you.
- Prospective students are notified as soon as action is taken on their applications.
- Admission is for one term only and may be used only for that time. If you fail to register for the term for which you have been admitted, you must file another application and provide necessary credentials for any semester or term thereafter.
- Admission to the University does not guarantee housing. You should submit an application for housing after your admission. All housing arrangements must be made through the office of Residence Services, 127 Laidley Hall, 696-6765.
- A housing reservation or a scholarship award or grant-in-aid is void unless you apply for and are admitted to the University.
- Any student admitted on the basis of false and/or incomplete credentials is subject to immediate dismissal from Marshall University.
- All students must be fully admitted to re-enroll for succeeding terms.

NOTE: Community and Technical College admission requirements are different. (See Community and Technical College Catalog.)

ADMISSIONS REQUIREMENTS FOR FRESHMEN

General Requirements

1. A high school diploma or GED diploma
2. An Overall Grade Point Average of at least 2.0 (C average) and
 - a composite score of at least 19 on the ACT or
 - a combined score (verbal + math) of at least 910 on the SAT
3. Completion of the 1990 Board of Trustees course requirements (see below)
 - or a 2.7 GPA and ACT composite score of 19

Additional Information on General Admissions Requirements

- First-time, full-time freshmen pursuing a four year baccalaureate degree must have a minimum 2.00 cumulative GPA and a composite ACT score of 19 (910 SAT). These students will be admitted unconditionally.
- Students who do not meet the minimum requirements will be admitted conditionally to University College. (See Conditional Admission.) Under the terms of the admissions policy, only a limited number of conditionally admitted students will be permitted to enroll at Marshall. This will be determined on a first come, first served basis as students sign up for the summer Freshmen Orientation program. After the limit is reached, conditionally admitted students will be placed on a waiting list in the order in which they made a reservation for Orientation. Conditionally admitted students will be evaluated at the conclusion of each semester and will be permitted to continue only if they are in good academic standing as determined by the college to which they have been admitted.
- Students who do not meet the Board of Trustees Admissions Requirements (see below), of 4 units of English, 3 units of Social Studies, 2 units of Laboratory Science, and 2 units of Mathematics (Algebra I and higher), including those with a GED, will be placed in the Baccalaureate Transition program. (See Baccalaureate Transition Program.)
- Students with a 2.00 GPA who have been out of high school for more than 5 years are not required to take the ACT and, therefore, are exempt from this policy.
- A student who attends another collegiate institution during the summer session immediately following graduation from high school is admitted as an entering freshman with advanced standing.
- Part-time students are exempt from this policy.
- Community and Technical College applicants are exempt from this policy. Admission to the Community and Technical College is open to any student with a high school diploma or GED. (See separate Community and Technical College Catalog.)
- Admission to the university is not necessarily admission to a particular college or curriculum. Each student must meet the requirements of the college he/she wishes to

enter, or of the degree program sought. Some programs which have additional requirements are: (check the Program listing for details)

1. Lewis College of Business
All students
2. College of Education and Human Resources
Athletic Training
Counseling
Teacher Education
3. College of Liberal Arts
Criminal Justice
Psychology
4. College of Nursing and Health Professions
Communication Disorders
Dietetics
5. College of Science
All Students

Board Of Trustees Admissions Requirements

Admission to all 4-year degree programs is based on high school curriculum and either grade point average (GPA) or test scores (ACT or SAT-I). (Refer to the section on the Baccalaureate Transition Program for those students who do not meet the course requirements for admission.)

Required Courses:

- 4 years of English (including courses in grammar, composition, literature)
- 3 years of social studies (including U.S. History)
- 2 years of college-prep math (Algebra I and higher)
- 2 years of laboratory science (from Biology, Chemistry, Physics, and other courses with a strong laboratory science orientation)

ACT: ADMISSIONS OPTION FOR FRESHMEN

High school students should take the ACT exam during their junior year or early in their senior year and have their scores sent to Marshall University by selecting Marshall's code: 4526. If Marshall receives a student's ACT scores no later than May 1 of the senior year, the Office of Admissions will mail a pre-printed application form to the student. The high school counselor should confirm the grade-point average on the application form, sign the form, and mail it along with a high school transcript to the Admissions Office.

- **Financial Aid:** Students choosing the ACT-Admissions Option who wish to apply for financial aid must take the ACT exam no later than December of the senior year and have their scores sent to Marshall University by selecting Marshall's code: 4526.
- **Sports Programs:** Students choosing the ACT-Admissions Option who wish to apply for sports programs, must arrange for the grade-point average to be posted on the transcript which is mailed to the Admissions Office. An NCAA Certification Approval is required along with the high school transcript.

ADVANCED PLACEMENT (AP) EXAMINATION

Marshall University recognizes the 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 Marshall University by selecting Marshall's code: 5396. The AP examinations are prepared by the College Board, and the papers are graded by readers of the Educational Testing Service, Princeton, New Jersey 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.
- All AP credit is counted as lower division credit.
- Each academic department has its own policy on AP exams. See below for required scores on specific exams.

<i>Examination</i>	<i>Minimum Score</i>	<i>Credit Hours</i>	<i>Course Equivalent</i>
Art (Studio)			
Drawing Portfolio	3	3	Unclassified ART
General Portfolio	3	3	Unclassified ART
Art History	3	3	ART 112
Biology	3	8	BSC 104, 105
Biology	4	8	BSC 120, 121
Chemistry	3	8	CHM 203, 204, 215
	4	9	CHM 203, 204, 211
	5	12	CHM 203, 204, 211, 212
Classics			
Latin: Vergil	3	3	LAT 204
Latin: Literature	3	3	Unclassified
Computer Science			
Computer Science A	3	3	CSD 101
Computer Science AB	3	6	CSD 101, 119
Economics			
Microeconomics	3	3	ECN 250
Macroeconomics	3	3	ECN 253
English			
English Language & Composition	3	3	ENG 101
English Literature & Composition	3	3	ENG 310
English Literature & Composition	4	6	ENG 310 plus ENG 331, ENG 319 or ENG 323
Environmental Science	3	4	ES 100
Foreign Language			
French Language	3	6	FRN 315, 316
French Literature	3	6	FRN 317, 318

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<i>Examination</i>	<i>Minimum Score</i>	<i>Credit Hours</i>	<i>Course Equivalent</i>
German Language	3	6	GER 315, 316
Spanish Language	3	6	SPN 315, 316
Spanish Literature	3	6	SPN 318, 319
Government and Politics			
American	3	3	PSC 104
Comparative	3	3	PSC 105
History			
American	3	6	HST 230, 231
European	3	6	HST 102, 103
Mathematics			
Calculus AB	3	4	MTH 132
Calculus AB	4	8	MTH 130, 229
Calculus BC	3	5	MTH 229
Calculus BC	4	9	MTH 229, 230
Music			
Theory	3	3	Unclassified
Physics			
Physics B	3	4	PHY 201
Physics B	4	6	PHY 201, 203
Physics C Mechanics	3	4	PHY 211
Physics C Electricity & Magnetism	3	4	PHY 213
Physics C Electricity & Magnetism	4	8	PHY 211, 213
Psychology			
Introductory Psychology	3	3	PSY 201
Statistics	3	3	MTH 225 or MGT 218

AUDIT STUDENTS

Applicants who wish to audit classes must file an application for admission to the university and obtain the permission of the instructor to attend the class. The fees for attendance as an auditor are the same as those for other undergraduate students.

BACCALAUREATE TRANSITION PROGRAM

Applicants who do not meet one or more of the admission course requirements will first be admitted to the Baccalaureate Transition Program in the University College. Students in the Transition Program must take courses which will satisfy the requirements for undergraduate admission. These courses do not satisfy any graduation requirements. Students must pass them before they can be admitted to a 4-year degree program.

COLLEGE LEVEL EXAMINATION PROGRAM

The College Level Examination Program (CLEP) enables students who can demonstrate knowledge and/or proficiency in certain fields to reduce the cost in time and money for pursuing a college education by successfully completing CLEP tests for credit. Intensive reading in a particular field, on-the-job experience, or adult education may have prepared a student to earn college credit through CLEP tests. This would reduce the total amount of course work needed to complete degree programs. Scores on the test may also validate educational experience obtained at a nonaccredited institution or through noncredit college courses.

- Credit completed through CLEP does not count as a part of the 18-hour limit under the Credit/Non-Credit Option.
- Credit earned through CLEP exams does not automatically satisfy specific academic requirements. Since colleges and departments have different curriculum requirements and may use the scores in different ways, students should consult first with their department or division chairs or their Dean's office on how the examinations would be used.
- Applications are available in the Admissions Office or their Dean's Office.

CONDITIONAL ADMISSION

If you are admitted to Marshall conditionally, continued enrollment requires that any deficiency in English must be addressed in your first semester and removed by the beginning of your third semester of enrollment at the University. Also, deficiencies in math must be removed by the beginning of your fourth semester of enrollment. (Of course, your overall academic performance will be subject to the normal academic requirements of the University as outlined in this catalog.)

Fully admitted status occurs only after all deficiencies have been successfully remedied and with a minimum GPA of 2.0. At this point you can apply to the college of your choice.

EARLY ENTRANCE POLICY FOR GIFTED AND TALENTED STUDENTS FOR BACCALAUREATE PROGRAMS

(Prior to the Senior Year in High School)

The Director of Admissions at Marshall University, together with the Director of the John R. Hall Center for Academic Excellence, will admit exceptionally able students who have not completed secondary education for enrollment in university courses on either a full or part-time basis. These students will be supervised by the Director of the CAE and will be eligible for all the privileges and opportunities accorded other Honors students. To qualify for early entrance under this program, students must meet all of the criteria in the category for which they are applying:

Full-time Admission

1. an ACT or SAT test score at least at the 85th percentile.
2. a score at least at the 97th percentile on the school district's standardized test.

3. a B (3.0) GPA or better overall grade point average.
4. recommendation from two teachers who are familiar with the student's academic performance.
5. a written plan and agreement to finish the GED or high school diploma prior to the completion of the First Semester in attendance at Marshall.

Part-time Admission

1. an ACT or SAT score at least in the 85th percentile or strong evidence of outstanding accomplishment in the discipline in which the student wants to enroll.
2. a B (3.0) GPA in the discipline in which the student wants to enroll.
3. recommendations from two teachers who are familiar with the student's academic performance or by experts in the student's talent area.
4. a written plan and agreement to continue in high school or approved home school program during the part-time enrollment.

Admissions Procedure:

Students must submit to the Director of Admissions the normally required application materials for admission to Marshall University as well as those materials required by the Early Entrance program.

EARLY ADMISSION OF OUTSTANDING HIGH SCHOOL STUDENTS

High school seniors who wish to enroll for college credit in their high school or who wish to enroll in college courses on the Marshall campus or at one of the regional centers must:

- be currently enrolled in high school;
- have the minimum ACT or SAT scores required for placement in college level courses (see test score requirements under course listing);
- have a 3.0 or better overall grade point average, 9th through 11th grade;
- submit transcripts of high school credits and grades to the Admissions Office;
- submit an application and fee for admission to the Admissions Office;
- have the recommendation from a counselor or principal sent to the Admissions Office.

INTERNATIONAL STUDENTS

Application Procedure:

Complete a Marshall University application form, which is available from the Center for International Programs, Marshall University, Huntington, West Virginia 25755-1054, U.S.A. and send it to the address below with this documentation:

1. A \$45.00 non-refundable application fee. (Transfer students must also pay a \$50.00 transfer evaluation fee.) The check or money order should be made payable to Marshall University.

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2. Official transcripts and degrees (certified English translations) of all high school, college or university academic credits and grades.
3. Evidence of proficiency in the English language as indicated by one of the following:
 - The Test of English as a Foreign Language (TOEFL) minimum score of 500 paper-based test or 173 on computer-based TOEFL, reported directly to the Marshall University Admissions Office by the Educational Testing Service, Princeton, New Jersey 08540. Results from the test taken more than two years before the date submitted will not be considered.
 - Michigan English Language Assessment Battery (MELAB) equated score of 79 minimum.
 - Completion of the advanced level in an intensive English language program comparable to level 9 of an English Language School (ELS).
 - A degree or diploma from an internationally recognized secondary school, college or university in which the language of instruction is English.
 - English is the official indigenous language of the country of permanent residence.
4. You must submit an official bank statement or a letter from your bank. This must show that you or your sponsor have at least \$12,000 (USD) to support your study and living costs for one academic year (9 months). Send the bank letter of support or bank statement to the address below. If you are self-supporting you should provide a supporting statement as well as documentary evidence (bank statement, letter from employer verifying study leave and salary arrangements, etc.) that funds are available for study.
5. Transfer students will need to have their previously earned credit evaluated by the World Education Service. Please have WES send the evaluation report directly to the address below.
6. Send proof that you have had the measles/rubella vaccination.
7. If you are planning to enroll in the ESLI program before pursuing an undergraduate program of study, please also send us the completed application materials for the English as a Second Language Institute (see below). Students can be conditionally admitted to an undergraduate program of study at Marshall University without English proficiency if they enroll in the English as a Second Language Institute and they satisfy all other criteria for admission.

Send all of your application materials and fees to this address*:

Marshall University
 Center for International Programs
 320 Old Main
 Huntington, West Virginia, USA 25755

After we receive all of your application materials, your credentials will be evaluated and, if admissible, you will be sent a letter of admission and an I-20 form. The I-20 form is used to apply for a student visa (F-1) at an American embassy or consulate. We will also

*Do not send the \$45 application fee or \$50 transfer fee if you are applying for admission to ESLI.

send housing and homestay applications and a form you can complete to notify us of your arrival.

All nonimmigrant student applicants currently in the United States are required to submit an "International Student Advisor's Report" which should be completed by an official at the U.S. educational institution last attended or currently attended. This form will be sent to you automatically upon receipt of your application materials.

Applicants from countries of proven credit risk, including Ghana, Iran, and Nigeria, must send an \$12,000 USD deposit to the Center for International Programs before an I-20 form can be issued. One-half (1/2) of the full-time tuition and fees for one year, and the full cost of room and board for one year, if contracted with the University, will remain on deposit as long as the student is enrolled. If the student subsequently moves off-campus, the money held for room and board will be refunded.

The American Association of Collegiate Registrars and Admissions Officers (AACRA) World Education Series Books are used to determine admissibility of international students. If credentials cannot be converted to English, transcripts will need to be evaluated by the World Evaluation Service.

Admissions Requirements

Freshmen international students who have not taken the ACT or SAT exams will be admitted to University College in Enrollment Management with the status of "Conditional admission: International Student." They will be required to take the ACT or SAT during their first semester of study. They will gain full admission status when they have attained a composite score of 19 on the ACT (910 on the SAT) or completed the provisions required of other conditionally admitted students (complete the appropriate developmental courses as indicated by ACT/SAT scores or placement exams and complete a minimum of 12 credit hours with a GPA of 2.0 or higher.) These students must also meet the English language proficiency requirement.

English as a Second Language

The English as a Second Language Institute (ESLI) offers international students an excellent opportunity to improve their English and academic skills before entering a regular degree program and helps international students adjust to a new culture and community. ESLI offers small, year-round classes with three levels, experienced instructors, and a course of study to improve English speaking, listening, reading and writing quickly. Students receive twenty-one hours of classroom instruction per week. Classes generally meet from 9:00 a.m. to 3:00 p.m. on Monday through Friday and are held on campus. Self-paced, step-by-step listening, pronunciation and test-taking activities are available for students to use at designated times in the language lab. Students can also take advantage of a variety of computer assisted language learning programs. Instructors are highly experienced; all full-time teachers have Masters in TESOL (Teaching English to Speakers of Other Languages). Academically admissible students who successfully complete the advanced level of the ESLI program can enter an undergraduate or graduate degree program at Marshall University without a TOEFL or Michigan score. The ESLI intensive English program is a member of the American Association of Intensive English Programs.

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Policy Statement on Major Medical Insurance-Non-Immigrant Students

Every non-immigrant student must show proof of having a current major medical insurance policy before being permitted to register each semester for any classes at Marshall University. Proof of coverage shall be provided by the Director of the International Students and Scholars program in the form of some written notification. Before a non-immigrant student can be exempted from this policy, he/she must show proof of status adjustment to permanent resident. Prior to registering, students may secure information on insurance options from the Associate Dean for Student Affairs or the Director of the International Students and Scholars program in OM 320.

Adopted by Student Conduct and Welfare Committee, December 7, 1984; approved by the President, January 22, 1985.

International students should address questions regarding their immigration status or other areas to the Director of the International Students and Scholars Program, Center for International Programs, Marshall University, 400 Hal Greer Boulevard, Huntington, WV 25755-1054 (304/696-6265).

MILITARY EXPERIENCE AND TRAINING CREDIT

Army Commission Credit

Veterans should also contact the Military Science Department if they are interested in receiving credit for military service and applying it toward receiving a commission as an Army officer.

Physical Education Credit

Students who have successfully completed Initial Entry Training (Basic Training and Specialty Training), and who have completed at least 12 semester hours at Marshall with a cumulative GPA of 2.0 or better, should request Admissions to assign credit. They will be granted a maximum of four semester hours of credit in physical education.

Servicemembers Opportunity Colleges

Marshall University is an institutional member of Servicemembers Opportunity Colleges (SOC), a group of over 400 colleges and universities providing postsecondary education to members of the military throughout the world. As an SOC member, Marshall recognizes the unique nature of the military and has committed itself to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and experiences.

Training Credit

The Commission on Accreditation of Service Experiences of the American Council on Education has developed equivalence credit recommendations for certain kinds of training received in the Armed Forces. This is credit in addition to that for physical education. Veterans should contact the Admissions Office for evaluation of training. They should bring with them a copy of the DD Form 214, along with any and all certificates of training, diplomas, or other proof of formal military training.

United States Marine Corps Platoon Leaders Class

Equivalent credit in Military Science may be awarded for successful completion of the Marine Corps Platoon Leaders Class. Students who have completed this class may apply at the Marshall University Department of Military Science Office for possible awarding of credit. For additional information on this class, write to: United States Marine Corps, Officer Selection Office, 641 Corporate Drive, Suite 104, Lexington, Kentucky 40503
Phone: (606) 223-2446.

PART-TIME STUDENTS

Part-time students (enrolled for less than 12 credit hours), must meet the same admission requirements as full-time students, with the exception of the ACT/SAT requirement, and the measles and rubella vaccination requirement.

SPECIAL STUDENTS

College Graduates Taking Undergraduate Courses

Applicants who hold the baccalaureate degree from an accredited institution may enroll for undergraduate courses by completing the application for admission and by presenting evidence to the Admissions Office of the receipt of the degree, either final transcript or diploma.

Second Baccalaureate degree:

Applicants who wish to pursue a second baccalaureate degree must apply as a transfer student and submit official transcripts from all institutions attended.

Nursing Program Students:

Entrance into the nursing program requires an early application deadline (see Application form from College of Nursing and Health Professions for date), and adequate performance on the ACT exam. Applicants must submit two separate application forms and transcripts—a Marshall University application form and transcript to be sent to the Office of Admissions and a College of Nursing and Health Professions application form and transcript to be sent to the College of Nursing and Health Professions.

Non-degree Students:

- Students who want to enroll in classes without becoming candidates for a degree may be admitted as non-degree students by completing the admissions application. Before enrolling in a class, non-degree students must also obtain the permission of the dean of the college in which the course is being offered.
- Work taken as a non-degree student cannot in itself qualify a person for admission as a degree candidate. Credits earned will be evaluated by the dean of the college to determine which courses may be transferred from non-degree to degree credit.
- The fees for attendance as a non-degree student are the same as those for other undergraduate students.

(continued)

- Non-degree enrollment is not available for students under suspension by the university.
- Undergraduate students can take a maximum of 30 semester hours of credit as non-degree credit.
- Non-degree students are not eligible for financial aid.

General Education Development Tests Admission (GED)

- Applicants for GED admission, veterans and non-veterans, must be past the age and time of their normal high school graduating class.
- Applicants for admission who completed the test in the Armed Forces can have an official copy of their scores forwarded to the Office of Admissions by writing to DANTES, Princeton, New Jersey 08541.
- A GED graduate is admitted on the basis of a standard score of 45 or above on each of the five parts of the test or an average standard score of 50 or above on the entire test.
- The test must be taken in the state in which the student is currently residing. No course credit is granted for completion of the college level GED Test.

TRANSFER STUDENTS

A student who wishes to enroll at Marshall, but who has attended another accredited post-secondary institution with or without earned credit, is classified as a transfer student. Marshall does not at any time or under any conditions disregard college or university credits attempted or earned elsewhere in order to admit an applicant solely on the basis of the high school record.

All transfer students must fulfill the graduation requirements of Marshall University to receive a degree. Academic policies in effect at previous institutions do not apply. Marshall University is governed by the West Virginia Board of Trustees Policy Bulletins.

Admission Requirements:

Transfer applicants must have an Overall 2.00 GPA (C average) on all college work attempted and must be eligible to return to the institution or institutions from which they wish to transfer.

Application Procedure:

1. Request official transcripts from the Registrar's Office of all collegiate institutions attended to be sent directly to the Marshall Admissions Office. (Transcripts marked "Issued to Student" or submitted directly by students cannot be accepted.)
2. Pay a non-refundable transfer evaluation fee of \$50.00 before an application is processed and credit evaluated. (The \$50.00 fee will be applied to a student's tuition if he/she is enrolled in the semester admitted or within one year after that date).
3. Transfer applicants with fewer than 26 semester hours credit must also submit an official high school transcript and ACT or SAT scores. The high school transcript will also be evaluated according to freshmen admission standards (see section on Admission as Freshmen).
4. Transfer students who have earned a 2.5 GPA and are currently enrolled at another collegiate institution may be provisionally admitted pending receipt of the final

transcript. Students with less than a 2.5 GPA and currently enrolled at another institution must submit a final transcript before admission can be granted.

5. The evaluation of transfer credit must be completed before students may register for courses.

Transfer students from West Virginia state colleges or universities:

- Refer to the Core Course work Agreement available in the Admissions Office and college offices at Marshall University.
- Credits and grades earned for all baccalaureate level courses at any baccalaureate degree-granting institution in the West Virginia state-supported system of higher education are transferable to Marshall University.

Transfer Students from Community Colleges or Branch Colleges:

Seventy-two hours of credits and grades completed at community colleges or branch colleges may be applied toward graduation at Marshall University.

Evaluation of Transfer Credit

Transfer students should apply to Marshall and submit their credentials at least two months before course registration to give ample time for an evaluation of their credentials. All credentials submitted in support of an application for admission become the permanent property of the University.

- Coursework taken at another institution transfers at the level at which it was taken. This is something important to consider since Marshall students must have a minimum number of upper division credits, (300/400 level credit) determined by their college, in order to graduate. If, for example, a student takes ENG 220: American Literature to 1877, at Ohio State, and this course converts at Marshall to ENG 321: American Literature to 1877, the student will get credit for ENG 321 at Marshall, but those credits will count as lower division (100 to 200 level) credits.
- Grades earned for coursework taken at other institutions are computed into the overall GPA, (includes courses taken at MU and other institutions), but have no impact on the Marshall GPA (includes only MU coursework), except for D/F repeats.

TRANSIENT STUDENTS (Students Visiting from Other Institutions)

Students enrolled in a degree program at another collegiate-level institution who would like to enroll at Marshall for one term or two summer terms to use Marshall credit toward their degree can be admitted as a transient student. Transient students must:

- Submit an application to the Admissions Office;
- Have their home college send a letter of good academic standing to the Admissions Office;
- Have attended the home college during the previous calendar year.

POLICY REGARDING CLASSIFICATION OF STUDENTS AS RESIDENTS AND NONRESIDENTS FOR ADMISSION AND FEE PURPOSES (Board of Trustees Series No. 34)

Section 1. General

1.1 Scope - Policy regarding residency classification of students for admission and fee purposes.

1.2 Authority - West Virginia Code (18B-1-6 & 18B-1-7 18B-10).

1.3 Filing Date - June 1, 1990

1.4 Effective Date - July 2, 1990

1.5 Repeal of Former Rule - Revises and Replaces Policy Bulletin No. 3 dated February 2, 1971; Policy Bulletin No. 34, April 8, 1986. Repeals Policy Bulletin No. 37, adopted May 1, 1974.

Section 2. Classification for Admission and Fee Purposes

2.1 Students enrolling in a West Virginia public institution of higher education shall be assigned a residency status for admission, tuition, and fee purposes by the institutional officer designated by the President. In determining residency classification, the issue is essentially one of domicile. In general, the domicile of a person is that person's true, fixed, permanent home and place of habitation. 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 is deemed necessary to establish the domicile of a student. The burden of establishing domicile for admission, tuition, and fee purposes is upon the student.

2.2 If there is a question as to domicile, the matter must be brought to the attention of the designated officer at least two weeks prior to the deadline for the payment of tuition and fees. Any student found to have made a false or misleading statement concerning domicile shall be subject to institutional disciplinary action and will be charged the nonresident fees for each academic term theretofore attended.

2.3 The previous determination of a student's domiciliary status by one institution is not conclusive or binding when subsequently considered by another institution; however, assuming no change of facts, the prior judgment should be given strong consideration in the interest of consistency. Out-of-state students being assessed resident tuition and fees as a result of a reciprocity agreement may not transfer said reciprocity status to another public institution in West Virginia.

Section 3. Residence Determined by Domicile

3.1 Domicile within the State means adoption of the State as the fixed permanent home and involves personal presence within the state with no intent on the part of the applicant or, in the case of a dependent student, the applicant's parent(s) to return to another state or country. Residing with relatives (other than parent(s)/legal guardian) does not, in and of itself, cause the student to attain domicile in this State for admission or fee payment purposes. West Virginia domicile may be established upon the completion of at least twelve months of continued presence within the state prior to the date of registration, provided that such twelve months' presence is not primarily for the purpose of attendance at any institution of higher education in West Virginia. Establishment of West Virginia domicile with less than twelve months' presence prior to the date of registration must be supported by evidence of positive and unequivocal action. In determining domicile, institutional officials should give consideration to such factors as the

ownership or lease of a permanently occupied home in West Virginia, full-time employment within the state, paying West Virginia property tax, filing West Virginia income tax returns, registering of motor vehicles in West Virginia, possessing a valid West Virginia driver's license, and marriage to a person already domiciled in West Virginia. 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 the establishment of West Virginia domicile might include such considerations as the student not being self-supporting, being claimed as a dependent on federal or state income tax returns or on the parents' health insurance policy if the parents reside out of state, receiving financial assistance from state student aid programs in other states, and leaving the state when school is not in session.

Section 4. Dependency Status

4.1 A dependent student is one who is listed as a dependent on the federal or state income tax return of his/her parent(s) or legal guardian or who receives major financial support from that person. Such a student maintains the same domicile as that of the parent(s) or legal guardian. In the event the parents are divorced or legally separated, the dependent student takes the domicile of the parent with whom he/she lives or to whom he/she has been assigned by court order. However, a dependent student who enrolls and is properly classified as an in-state student maintains that classification as long as the enrollment is continuous and that student does not attain independence and establish domicile in another state.

4.2 A nonresident student who becomes independent while a student at an institution of higher education in West Virginia does not, by reason of such independence alone, attain domicile in this state for admission or fee payment purposes.

Section 5. Change of Residence

5.1 A person who has been classified as an out-of-state student and who seeks resident status in West Virginia must assume the burden of providing conclusive evidence that he/she has established domicile in West Virginia with the intention of making the permanent home in this state. The intent to remain indefinitely in West Virginia is evidenced not only by a person's statements, but also by that person's actions. In making a determination regarding a request for change in residency status, the designated institutional officer shall consider those actions referenced in Section 3 above. The change in classification, if deemed to be warranted, shall be effective for the academic term or semester next following the date of the application for reclassification.

Section 6. Military

6.1 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 a 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.

6.2 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.

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Section 7. Aliens

7.1 An alien who is in the United States on a resident visa or who has filed a petition for naturalization in the naturalization court, and who has established a bona fide domicile in West Virginia as defined in Section 3 may be eligible for in-state residency classification, provided that person is in the state for purposes other than to attempt to qualify for residency status as a student. Political refugees admitted into the United States for an indefinite period of time and without restriction on the maintenance of a foreign domicile may be eligible for an in-state classification as defined in Section 3. Any person holding a student or other temporary visa cannot be classified as an in-state student.

Section 8. Former Domicile

8.1 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 3 regarding proof of domicile and intent to remain permanently in West Virginia.

Section 9. Appeal Process

9.1 Each institution shall establish procedures which provide opportunities for students to appeal residency classification decisions with which they disagree. The decision of the designated institutional official charged with the determination of residency classification may be appealed in accordance with appropriate procedures established by the president of the institution. At a minimum, such procedures shall provide that:

9.1.1 An institutional committee on residency appeals will be established to receive and act on appeals of residency decisions made by the designated institutional official charged with making residency determinations.

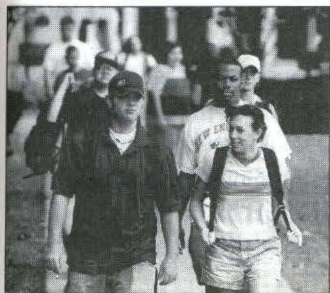
9.1.1a The institutional committee on residency shall be comprised of members of the institutional community, including faculty and student representatives, and whose number shall be at least three, in any event, an odd number. The student representative(s) shall be appointed by the president of the institutional student government association while the faculty representative(s) shall be selected by the campus-wide representative faculty organization.

9.1.1b The student contesting a residency decision shall be given the opportunity to appear before the institutional committee on residency appeals. If the appellant cannot appear when the committee convenes a meeting, the appellant has the option of allowing committee members to make a decision on the basis of the written materials pertaining to the appeal or waiting until the next committee meeting.

9.1.2 The residency appeal procedures will include provisions for appeal of the decision of the institutional committee on residency appeals to the president of the institution.

9.1.3 Residency appeals shall end at the institutional level.

*Adopted: West Virginia Board of Trustees, February 2, 1971
Revised: February 8, 1973; November 13, 1973; October 2, 1981
Revised: October 8, 1985; April 8, 1986; February 14, 1990*



Financial Information: Fees and Scholarships

Mr. Jack L. Toney, Director, Financial Aid
1-800-438-5390 or 1-304-696-3162
sfa@marshall.edu
<http://www.marshall.edu/sfa/>

UNIVERSITY EXPENSES: a general overview

Basic university expenses fall into three categories:

- tuition and fees,
- housing and meals,
- incidental or personal expenses.

Apart from unusual financial obligations, students living on campus in 1998-1999 can expect estimated annual expenses at Marshall University to range from about \$10,000 to \$14,000, including personal expenses.

The following is a table of estimated costs for the 1998-99 academic year (Fall and Spring semesters), based on a normal undergraduate load of 15 credits per semester.

Note: A full-time student carries at least 12 credit hours per semester.

	In-State	Metro*	Out-of-State
Tuition & Fees	\$2,348	\$4,302	\$ 6,294
Housing & Meals	\$4,576	\$4,576	\$ 4,576
Subtotal	\$6,924	\$8,878	\$10,870

Incidental and personal: \$2,500 to \$3,000, depending upon individual needs

NOTE: Some students in the Lewis College of Business and the College of Nursing & Health Professions pay an additional fee charge, and some classes require additional lab fees.

Warning: Do not calculate your expenditures based solely on these figures. They apply only to the 1998-99 academic year. Actual costs for 2000-2001 and 2001-2002 should be announced by July 1 of each appropriate year. For more information, please contact the Bursar's Office at (304) 696-6620.

*Metro Fee is applicable to student whose residence is as follows:

in Ohio: Gallia, Lawrence and Scioto Counties.

in Kentucky: Boyd, Carter, Floyd, Greenup, Johnson, Lawrence, Martin and Pike Counties.

TUITION & FEES: specific information

The university and its governing board reserve the right to change fees and rates without prior notice. Fee assessments are calculated on student level, not course level.

Please note: All fee listings in the fee section of this catalog show the rates authorized and in effect for the 1998-99 academic year.

TUITION & ENROLLMENT FEES FOR ALL UNDERGRADUATE STUDENTS

Regular Semester

	In-State	Metro*	Out-of-State
Tuition Fee	\$165.00	\$480.00	\$ 450.00
Registration Fee	50.00	250.00	250.00
Higher Education Resources Fee	440.00	525.00	1,106.00
Faculty Improvement Fee	35.00	105.00	105.00
Student Center Fee	36.00	36.00	36.00
Activity Fee	94.00	94.00	94.00
Athletics/Title IX	72.00	72.00	72.00
Operations Fees	232.00	474.00	919.00
Library/Computing Fee	50.00	115.00	115.00
Total	\$1,174.00	\$2,151.00	\$3,147.00

PROGRAM-SPECIFIC FEES

Regular Semester

	In-State	Metro*	Out-of-State
Lewis College of Business Fee**	100.00	200.00	200.00
Health Professions Fee**	125.00	375.00	375.00
Integrated Science/Technology Fee**	100.00	200.00	200.00

*Metro Fee is applicable to students whose residence is as follows:

in Ohio: Gallia, Lawrence and Scioto Counties.

in Kentucky: Boyd, Carter, Floyd, Greenup, Johnson, Lawrence, Martin and Pike Counties

**Program Specific Fees: Lewis College of Business Fee is assessed to all junior and senior College of Business majors. Health Professions Fee is assessed to students in the College of Nursing and Health Professions.

SPECIAL STUDENT FEES

Application Fees (Non-refundable)

Resident – Undergraduate	\$15.00
Non-Resident - Undergraduate	30.00
Physical Therapy Program - CTC	30.00
College of Nursing and Health Professions	30.00
Clinical Lab Fee - COEHS	100.00

Orientation Fee \$40.00

Registration Fees

Late Registration/Payment Fee	\$20.00
Reinstatement Fee, Course Schedule	20.00
E-Course Fee	98.00/credit hour
Off-Campus Course Fee	60.00

Graduation Fees (non-refundable)

Associate Degree	\$20.00
Baccalaureate Degree	25.00
Diploma Replacement	20.00

Housing Fees

Reservation Deposit, Dormitory	\$100.00
Damage Deposit	
Dormitories	50.00
Married Students Housing	150.00
Improper Check-out Fee, Dorm (non-refundable)	25.00
Late Fee, Rent: After 15th of Month (non-refundable)	10.00
Room Re-Key - Per Lock	15.00
Mail Box Re-Key (Per Lock)	10.00

Meal Card/ID Card Replacement \$10.00

Placement Test Fee - (Community and Technical College: English, Math) \$10.00

Regents' B.A. Degree Evaluation \$200.00

Returned Check Fee \$15.00

Transfer Evaluation Fee \$50.00

Transcript (After First) \$5.00

Validation Exam Fee \$100.00
(to validate out-of-date coursework)

ROOM AND BOARD

Residence Halls and Food Service Plans

The Department of Residence Services provides on-campus living space for approximately 1,936 students. Individual halls will accommodate from 100 to 500 residents in double and single occupancy rooms. All halls are located within easy walking distance of academic buildings. There is 24-hour security in every building. Every room has local and long distance telephone service, a food service plan, computer connections, and cable television. Each hall is managed by a Resident Director with a Resident Advisor on every floor to provide the students with the best possible living and learning conditions.

Marshall requires all full-time freshmen and sophomore students to live on campus. Exceptions are granted to those living within a 60-mile radius who live at home with a parent or guardian; individuals 21 years of age; those who are married; or those who have been high school graduates for more than two years.

SEMESTER FEES (16 weeks): Residence Halls plus Meal Plans

Residence Halls	19-Meal Plan	15-Meal Plan	10-Meal Plan
Double Occupancy			
Buskirk, Twin Towers	\$2,288.00	\$2,251.00	\$2,172.00
Hodges, Laidley, Holderby	2,173.00	2,136.00	2,057.00
Single Occupancy			
Buskirk, Twin Towers	2,617.00	2,580.00	2,501.00
Hodges, Laidley, Holderby	2,354.00	2,317.00	2,238.00
Deluxe Single Occupancy			
Buskirk, Twin Towers	2,672.00	2,635.00	2,556.00
Hodges, Holderby, Laidley	2,639.00	2,602.00	2,523.00

SUMMER TERM FEES (5 weeks): Residence Halls (19-meal plan)

Double Occupancy	\$715.00
Single Occupancy	835.00

MEAL PLANS ONLY

Sixty Meals	\$304.00
Thirty Meals	155.00
Twenty Meals	108.00

OLDER STUDENTS' HOUSING

University Heights Apartments

The Department of Residence Services also maintains 62 furnished apartments. The two- and three-story buildings are located approximately four miles from the main campus. The apartments are open to enrolled Marshall University students who are over 21 years of age, or married, or graduated high school more than two years ago, or live with their dependent child(ren), or have attained junior class standing.

Older Students' Housing (costs per month)

Efficiency Apartment	\$283.00
One Bedroom Apartment - Building One	316.00
Two Bedroom Apartment - Building One	348.00
Renovated One Bedroom Apartment - Building One	348.00
One Bedroom Apartment - Building A, B, & C	424.00
Two Bedroom Apartment - Building A, B, & C	457.00
Storage Rooms in A, B, & C (per month)	25.00

For additional information concerning on-campus housing, or the apartments, please contact the Department of Residence Services at (304) 696-6765; or FAX (304) 696-6161.

PAYMENT OF FEES

Tuition fees for a regular semester, a Summer Term, an Intersession, and any special class are due and payable to the Office of the Bursar in accordance with dates established and listed in the Marshall University *Schedule of Courses*, published by the Office of the Registrar for each term of enrollment. If you do not pay your enrollment fees on or before the due date, your registration will be cancelled and you will be subject to withdrawal from the university (see **Withdrawal/Reinstatement Policy** below). Do not depend on receiving a bill from the university in the mail. It is always your responsibility to know when enrollment fees are due and to pay them by that time. If you have not paid your enrollment fees by the official due date you must obtain permission from the appropriate academic dean and the Office of the Registrar to register.

Student deferred payment plans for tuition will be offered for the fall and spring semester. All available financial aid from the term must be credited to the student's account prior to determining the amount available for deferral. Contact the Office of the Bursar for current deferred payment plan information. A student's residence services fees (room and board) are due at a semester rate payable in accordance with dates established by the Office of Residence Services.

You can pay fees by VISA or MasterCard or Discover by telephoning (800) 696-MILO or (304) 696-MILO. Credit card payments are also accepted at the Office of the Bursar, 101 Old Main.

If you are a recipient of financial aid through the university's loan or scholarship program, the university's Department of Intercollegiate Athletics, or any governmental agency, or by private loan or scholarship, you must complete arrangements for payment through the Director of Student Financial Aid in 122 Old Main, and the University Bursar in 101 Old Main. (See **Student Financial Assistance** below.)

Your registration is not complete until all fees are paid.

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Your registration will be cancelled if the bank does not honor your check for payment of registration fees. A charge of \$15.00 will be made for each check returned unpaid by the bank.

A student who has a financial obligation to the university cannot engage in any registration activity until the obligation is paid.

A student who withdraws from the institution by following proper withdrawal procedures will receive refunds of fees paid in accordance with the refunding policy.

A student who is required to withdraw from the institution for disciplinary reasons may not receive refunds of fees paid.

WITHDRAWAL/REINSTATEMENT POLICY FOR NONPAYMENT OF ENROLLMENT AND RESIDENCE HALL FEES

1. Through late registration each semester, a schedule of withdrawal for nonpayment will be included in the Marshall University Schedule of Courses. Following late registration, the Bursar will send written notification to the student advising of administrative withdrawal for nonpayment of Enrollment or Residence Hall Fees.
2. Upon notice from the Bursar, the Registrar will initiate a complete withdrawal for a student not paying fees. The withdrawal will be for "Administrative-Nonpayment of Enrollment or Residence Hall Fees."
3. The Registrar will notify the instructor that the student should not be permitted to continue attendance in the class.
4. If the student fulfills the financial obligation, the Bursar's Office will notify the student and his/her academic dean. The academic dean will have discretion to approve registration. If the dean approves, the student, the instructors, and the Registrar will be notified in writing immediately.
5. Upon receipt of notice from the academic dean, the Registrar will initiate the procedure to register the student in the courses for which the student was enrolled at the time of withdrawal.
6. A student who does not meet the financial obligation for enrollment and residence hall fees will have all entries of that registration erased on the Registrar's permanent record.
7. A student who owes a financial obligation to the university will not be permitted to enroll in subsequent semesters or terms until the obligation is paid.
8. If a student disputes an administrative withdrawal, he/she may file an appeal with the Student Grievance Board through the Office of Student Affairs. (The Student Grievance Board is a subcommittee of the Student Conduct and Welfare Committee). This appeal must be filed before the effective date of withdrawal established by the Bursar. The administrative withdrawal will be suspended until the President of the University acts upon the recommendation of the Student Grievance Board.

WITHDRAWAL/REINSTATEMENT FOR OTHER FINANCIAL OBLIGATIONS

1. Failure to fulfill other types of financial obligations with proper procedure may result in administrative withdrawal from the university.
2. Upon notice from the Bursar, the Registrar will initiate a complete withdrawal for a student not paying financial obligations. The withdrawal will be "Administrative-Nonpayment of Financial Obligations" and will be dated with the effective date of processing of the withdrawal.

Under these conditions, procedures will be followed as outlined above, items 3, 4, & 5, under "**Withdrawal/Reinstatement Policy for Nonpayment of Enrollment and Residence Hall Fees.**"

3. Students who do not meet these "Other Financial Obligations" and who are administratively withdrawn from the university will receive the grade determined by the withdrawal policy in effect at the time the administrative withdrawal was initiated.
4. A student who owes other types of financial obligations to the university will not be permitted to enroll in subsequent semesters until the obligation is paid.
5. If a student disputes an administrative withdrawal, he/she may file an appeal with the Student Grievance Board through the Dean for Student Affairs. (The Student Grievance Board is a subcommittee of the Student Conduct and Welfare Committee). This appeal must be filed before the effective date of withdrawal established by the Bursar. The administrative withdrawal will be suspended until the President of the University acts upon the recommendation of the Student Grievance Board.

REFUND PROCEDURES

Enrollment fees (tuition fees) will be refunded during the period designated by the Office of the Registrar for Registration, Late Registration, and Schedule Adjustments for a regular semester or a summer term and published in the Marshall University Schedule of Courses Bulletin. Enrollment fees (tuition fees) will be refunded to students for:

1. Classes officially dropped from the student's course schedule that reduce the student's total scheduled semester hours from full-time status to part-time status.
Example: Undergraduate enrollment dropping of classes to adjust course schedule from 12 or more hours to fewer than 12 hours.
2. Classes officially dropped from the student's course schedule when the enrollment is in a current part-time status that reduce the student's total scheduled semester hours. Example: Undergraduate enrollment dropping of classes to adjust course schedule from 11 hours to 10 hours to 9 hours, etc.
3. Official complete withdrawals from all classes from the student's course schedule.
Example: Undergraduate withdrawal from enrollment of 12 or more hours to 0 hours, 11 hours to 0 hours, 10 hours to 0 hours, etc.
4. Title IV Financial Aid first time enrollees who officially withdraw before or during their first period of enrollment shall have their refund calculated in accordance with the provisions contained in the 1992 amendments to the federal Higher Education Act.

Cancellation of Class

When it becomes necessary to cancel a class by administrative and/or faculty action, a student is granted a full refund of the fee for the class cancelled unless he/she registers in another course of like value in terms of semester hours. This action does not apply to withdrawals due to disciplinary action or withdrawals due to nonpayment of financial obligations.

Residence Services

Request for withdrawal from Marshall University on-campus housing must be addressed in writing to the Department of Residence Services. Refunds, if applicable, will be based on the date cancellations are received.

Fall cancellations must be received before July 1, and Spring or Summer cancellations must be received ten (10) business days or more prior to the official opening date of Housing, in order to receive deposits back. Voluntary withdrawal following these dates and prior to the opening of residence halls will result in a full refund less one hundred dollars (\$100.00) reservation deposit.

Withdrawal between the opening day for Housing and the first Friday will result in a refund of fifteen weeks' room and board.

Withdrawals after the first Friday will result in a forfeiture of monies paid for room.

A prorated refund will be processed for any unused portion of the Board plan.

Students whose residency is terminated automatically forfeit all monies paid for that semester.

Students who are denied admission, declared academically ineligible to return, or are unable to return for medical reasons, will be refunded on a prorated basis.

Refunds to students called to armed services of the enrollment fee only will be processed in accordance with policy established by the Office of the Registrar.

Late fees are nonrefundable.

Student Financial Assistance

Marshall University offers financial assistance to students through a large number of academic scholarships, grants, loans, and employment. The purpose of the Office of Student Financial Assistance is to provide a financial aid process which enables students to inquire, make informed decisions on the acceptance of awards, and efficiently use federal, state, institutional, local, and private sources of funding.

General Information: Financial Assistance and Application Procedures

To receive need-based financial aid from Marshall University or the federal and state governments, you must complete and submit the Free Application for Federal Student Aid (FAFSA).

The FAFSA is available from either the Marshall University Office of Student Financial Assistance, your high school guidance counselor, or your local library. This form must be submitted if you wish to be considered for all available aid resources including grants, loans, and student employment.

No processing fee is required for the FAFSA.

You should mail the completed FAFSA as soon after January 1 as possible to receive consideration for any programs with limited funding. West Virginia residents must remember to meet the March 1 deadline for the West Virginia Higher Education Grants.

The FAFSA is used to determine your family's ability to meet the cost of your education, which in turn determines your "financial need." Four to six weeks after you mail the FAFSA, an acknowledgment will be sent to you by the federal application processor. Your data will also be submitted electronically to Marshall University. Marshall University's Title IV Institutional Code is 003815.

FINANCIAL ASSISTANCE PROGRAMS: ACADEMIC SCHOLARSHIPS

Incoming freshmen and transfer students are automatically considered for scholarship assistance based upon their admission records. Students must be provisionally admitted by April 15.

Returning Marshall University students with current scholarship awards must maintain a 3.5 GPA or better to receive consideration for award continuation. An application is not required.

Continuing Marshall University students without institutionally awarded academic scholarship assistance for the current year may apply for competitive scholarship awards by March 1 by submitting an application. A minimum 3.5 GPA is required for consideration.

Society of Yeager Scholars

A high school student with a minimum ACT composite score of 28 or a minimum SAT score of 1260 may apply to become a Yeager Scholar.

Recipients receive full payment of tuition and fees; approximately one-half of housing costs; a stipend for textbooks and supplies. \$4000 for a study abroad experience; and a personal computer for their use while they are enrolled in the program.

For additional information, contact the Society of Yeager Scholars at 1-800-438-5395. Application deadline is December 1.

NOTE: This scholarship is not awarded by the Marshall University Office of Student Financial Assistance.

John Marshall Scholars

A high school senior with an ACT composite score of 30 or higher and a 3.5 GPA will be invited to apply for a John Marshall Scholarship.

Recipients will receive a tuition waiver and annual \$1250 stipend.

Students who maintain the required 3.5 GPA and meet other program requirements may apply for renewal of the John Marshall awards.

Presidential Scholarship

A high school senior with an ACT composite score of 25-29 and a 3.5 GPA will be considered for a Presidential Scholarship.

(continued)

Recipients will receive awards of \$1250 for one academic year.

Students who maintain the required 3.5 GPA may apply for renewal of their Presidential Scholarships each year.

A. Michael Perry Freshman Scholarship

High school seniors with an ACT composite score of 21 and a 3.2 GPA are eligible for these scholarships. Each recipient will receive an award of \$500 for one academic year.

This award is for one year only; however, students may apply for subsequent years on a competitive basis.

Academic Department Scholarships

Some departmental academic scholarships are available. Application and eligibility criteria, as well as selection, are determined by the academic departments.

FINANCIAL ASSISTANCE PROGRAMS: OTHER KINDS OF SCHOLARSHIPS

Army ROTC Scholarships

Army ROTC Scholarships are offered for four, three, and two years for the pursuit of undergraduate four-year degrees, awarded on a competitive basis to the most outstanding students who apply.

Army ROTC Four-year scholarships: awarded to students entering college as freshmen. High school seniors should apply for the four-year scholarships by December first of their senior year.

Army ROTC Three and two-year scholarships: awarded to students already enrolled in college and to Army enlisted personnel on active duty. Students who attend the Camp Challenge to enroll in the two-year program may compete for two-year scholarships while at camp.

Each Army ROTC scholarship pays full or partial tuition, required educational fees, and provides a specified amount for textbooks, supplies and equipment. Each scholarship also includes a tax-free subsistence allowance of \$150.00 a month up to \$1,500 for every year the scholarship is in effect. The total value of a scholarship will depend upon the tuition and other educational expenses.

Special consideration for an Army ROTC scholarship is given to students pursuing degrees in Nursing, Engineering, Physical Sciences, and other technical skills currently in demand by the Army. A Student who receives a scholarship will be required to attain an undergraduate degree in the field in which the scholarship is awarded.

All cadets in the Advanced Course receive a subsistence allowance of \$150.00 a month up to \$1,500 for each of the two years (this is not in addition to the subsistence allowance provided to scholarship winners), as well as pay for attending the six-week Advanced Camp. Students attending the Camp Challenge will also receive pay.

The Department of Military Science also has other incentive scholarships to award. Contact the department for scholarship applications by calling 304-696-6450 or stop by 217 Gullickson Hall, Marshall University, Huntington, WV 25755.

Athletic Scholarships:

Students wishing information regarding athletic grants-in-aid should write to
Marshall University, Director of Athletics
P.O. Box 1360
Huntington, WV 25715

Normally such assistance is offered by the Financial Aid Advisory Council after recommendations are received from the Director of Athletics.

NEED-BASED FINANCIAL AID

Federal Pell Grant:

Provides the basis of a financial aid package. Awarded to eligible full or part-time undergraduate students. Applicants must complete the Free Application for Federal Student Aid (FAFSA).

Federal Supplemental Educational Opportunity Grant (SEOG):

Available to eligible full or part-time undergraduate students. Priority is given to Federal Pell Grant recipients. Applicants must complete the FAFSA.

West Virginia Higher Education Grant Program:

Awarded to eligible full-time undergraduate West Virginia residents. Applicants must complete the FAFSA.

Federal Perkins Student Loan:

Need-based loan awarded to eligible undergraduate and graduate students. Applicants must complete FAFSA. No additional loan application is required. Repayment begins nine months after student graduates or drops to less than half-time status.

Federal Direct Subsidized Loan:

Need-based loan awarded to undergraduate and graduate/professional students who are enrolled at least half-time and demonstrate financial need. A variable interest rate is set each July, not to exceed 8.25%. The loan must be repaid beginning six months after student graduates or drops to less than half-time status. Annual maximum amounts available are \$2,625 for freshmen, \$3,500 for sophomores, \$5,500 for juniors and seniors, and \$8,500 for graduate/professional students. Maximum amounts may be limited by cost of education and other anticipated financial aid.

(This program replaces the Federal Stafford Loan that was available through lenders such as banks and credit unions.) Applicants must complete the FAFSA.

Federal Direct Unsubsidized Loan:

Loan (not need-based) awarded to undergraduate and graduate professional students who are enrolled at least half-time and have not had their cost met through other aid awards. Loan amounts, interest rates, and repayment conditions are the same as for the Federal Direct Subsidized Loan described above. However, interest payments on the loan must be paid while the student is in school or be deferred and capitalized (added to the principal of the loan). For students receiving subsidized loan awards, the maximum

unsubsidized loan may not exceed the difference between the subsidized loan and the maximum award amounts shown above. Applicants **must** complete the FAFSA.

Additional amounts of up to \$4,000 for freshmen and sophomores, \$5,000 for juniors and seniors and \$10,000 for graduate/professional students may be available to independent students or dependent students whose parents are unable to obtain a Federal Direct PLUS loan.

Maximum amounts may be limited by cost of education and other anticipated financial aid. (This program replaces the Federal Stafford Unsubsidized Loan and Supplemental Loan to Students Program that was available through lenders such as banks and credit unions.)

The aggregate base eligibility (subsidized, unsubsidized, or a combination) for undergraduate students is \$23,000 and \$65,000 for graduate/professional students. Additional unsubsidized loan eligibility for independent students (and dependent students when a parent has been denied PLUS) is limited to \$23,000 for undergraduates and \$73,000 for graduate/professional students.

All first time borrowers are required to attend an entrance interview session designed to make the student familiar with his/her responsibilities as a student borrower. No loan proceeds will be disbursed for that student until this requirement has been fulfilled. Entrance interviews are typically held near the beginning of the academic term. Students will be advised of the time and place.

Federal Direct PLUS Loan:

Originated by Marshall University and the U.S. Department of Education for parents of dependent students.

Applicants must complete a Parent Loan Data Sheet. PLUS loans are limited only by cost of education minus other aid.

The application will be submitted for a review of the parent borrower's current credit status. Applicants with an adverse credit history will be denied.

Federal Work Study Program:

Eligible undergraduate and graduate students are assigned positions on campus and paid twice each month. Applicants must complete the FAFSA.

Federal Student Jobs Program:

Available through Marshall's Career Services Center. This program helps students find off-campus employment.

SATISFACTORY ACADEMIC PROGRESS STANDARDS FOR FINANCIAL AID ELIGIBILITY FOR UNDERGRADUATE STUDENTS

Federal regulations require that financial aid recipients meet standards of academic progress. The standards established by the Office of Student Financial Assistance, consistent with the federal student aid requirements, are stated below. These standards measure progress in a given program of study. They include quantitative measures (percentage of courses completed) and qualitative measures (grade point average in those

courses completed). Continued compliance with the standards for academic progress policy is measured annually.

These standards apply to continuing and transfer students. A student not meeting the standards below will be ineligible for financial aid support until the time that he/she meets the provisions of the satisfactory academic progress policy. After reestablishing satisfactory academic progress or successfully appealing eligibility, the student may again receive, if otherwise eligible, federal financial aid.

Eligibility as an undergraduate or graduate will cease with completion of the first baccalaureate or master's degree. However, students seeking second baccalaureate or master's degrees may appeal for continued eligibility.

Enrollment adjustments any time after the beginning of a term, withdrawals (W) and/or incompletes will be counted in attempted hours. The attempted hours for purposes of this policy will include all hours, Marshall or transfer, that are reflected on the applicant's academic transcript.

Please review the following specific policy for your student category:

- Undergraduate (First) Baccalaureate Degree Students
- Community & Technical College Students
- Graduate Students

Undergraduate (First) Baccalaureate Degree Students

Students who have attempted 0-30 credit hours must have completed 50% of the credits registered (●) and have a cumulative grade point average of 1.60.

Students who have attempted 31-64 credit hours must have completed 67% of the credits registered for and have a cumulative grade point average of 1.70.

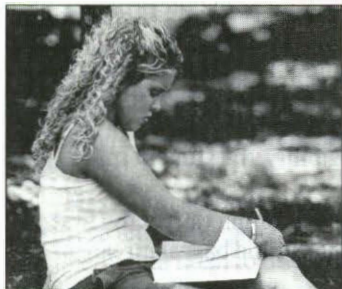
Students who have attempted 65-89 credit hours must have completed 75% of the credits registered for and have a cumulative grade point average of 1.80.

Students who have attempted 90+ credit hours must have completed 80% of the credits registered for and have a cumulative grade point average of 2.00.

An academic major must be declared no later than the 58th credit hour.

The above limits eligibility to 160 attempted credit hours based on a program maximum of 128 hours; however, eligibility may be extended to 150% of the program length. For instance, program length = 128 hours x 150% = 192 maximum hours, based upon individual applicant circumstances. Further information regarding extension of eligibility beyond 160 credit hours may be secured by contacting the Office of Student Financial Aid.

For additional information about any of the above-referenced programs, please contact the Office of Student Financial Assistance, Old Main Room 122. Telephone (304) 696-3162 or 1-800-438-5390. Fax: (304)696-3242. E-Mail Address: sfa@marshall.edu.



Special Programs

B.A. IN MULTIDISCIPLINARY STUDIES

The B.A. degree in Multidisciplinary Studies, which is housed in the College of Liberal Arts, offers undergraduate students an opportunity to develop a knowledge base in two areas of emphasis with a strong core of communication and computer courses. By exposing students to the methodologies and perspectives of more than one discipline, this degree can provide students with the skills to adapt to the needs of a changing world.

General objectives:

- abundant computer work in applications for enhanced computer skills;
- problem-solving skills through the application of logic and reason, leading to more efficient decision-making skills;
- extensive written and oral communication skills through experience in public speaking, writing, research, and listening;
- a sense of cultural heritage through the study of a second language and through multicultural and international courses;
- a general education grounded in the liberal arts and science literacy.

Specific objectives:

- exposure to two different disciplines;
- the opportunity to discover the connections between two disparate disciplines;
- the tools for converting these connected fields into a foundation for employment or graduate/professional studies.

Application Requirements:

To apply for a major in Multidisciplinary Studies you must:

- Complete an application available in the College of Liberal Arts office;
- Have completed at least 26 hours of college coursework which includes English 101 and Math 121 or higher (NOTE: no developmental course credits can be counted);
- Have earned a minimum cumulative Grade Point Average of 2.0 in the 26 hours of completed coursework;
- Attach an unofficial transcript to the completed application: submit both to the Dean of the College of Liberal Arts, Old Main 107.

General Information:

The B.A. in Multidisciplinary Studies requires a minimum of 128 credit hours that include a core of general education courses (68 hours, as detailed below), at least two Areas of Emphasis (21 hours each), and a senior capstone course (3 hours). At least 48 of the 128 hours must be at the 300/400 level.

General Education Core:

- English 101 (required for admission to the program) and 102 (or 302); or English 201H (6 hours)
- Communication Studies 103 or 104H or 305, and 322 (6 hours)
- Foreign Language (12 hours)
- Literature, Classics, Philosophy, Religious Studies (at least two fields) (9 hours)
- Arts Appreciation: select ART 112, THE 112 or MUS 142 (3 hours)
- Social Sciences (at least three fields): Any course in Economics, History, Political Science, Psychology; Geography—any course except GEO 101; Sociology/Anthropology—any course except SOC 108 (12 hours)
- Natural Science: any ISC course plus 4 additional hours (8 hours)
- Math: MTH 121 or higher (required for admission to the program) (3 hours)
- Computer Science (9 hours):
 - A. Select 3 hours: ART 219, CHM 223 or 305, CSD 101, CT 103
 - B. Select 6 hours (may substitute with advisor's approval): ANT 451, ART 453, ATE 425, CD 315, CMM 456, CT 250, EG 106, GEO 430, GLY 430, ITL 468, JMC 102, MIS 207, MIS 290, MIS 310, MIS 340, MIS 430, PHY 410, PHY 411, PHY 412, PSY 427

Areas of Emphasis

(All courses must meet the necessary pre- and co-requisites. No course may be used to satisfy the requirements in more than one area of emphasis.)

American Studies
Appalachian Studies
Art History
Business Studies
Chemistry (should be combined with the Business area of emphasis)
Child and Family Studies
Classics
Communications Disorders
Environmental Studies
Fashion and Textile Studies
Food and Nutrition Studies
Global Studies
Latin
Pedagogical Studies
Philosophy
Psychology
Religious Studies

(continued)

Safety Technology
Western Culture Studies
Women's Studies

Create Your Own Major (available for Honors students only with permission of the relevant Department Chairs; minimum and overall and MU GPA of 3.0).

PRELAW EDUCATION

There is no prelaw major at Marshall. The American Bar Association does not recommend a particular major, and there is no specific major which law schools prefer. You should major in something that will help you develop skills which will be valuable to you as a law student and legal practitioner. Political science, business, English, economics, history, criminal justice (legal studies), sociology, and others are acceptable majors. Regardless of the area of concentration, you should choose electives that will facilitate critical understanding of economic, political and social institutions. Since a lawyer must be able to communicate effectively, you should emphasize communicative skills. Also a knowledge of elementary accounting is desirable and highly recommended.

Prospective law school applicants should:

- consult as soon as possible with Dr. Robert W Behrman, Principal University Prelaw Advisor and Professor of Political Science (Smith Hall 780) for further information and advice;
- register for the October (preferably) or the December administration of the Law School Admission Test (LSAT) and apply for law school admission during the fall of their senior year in college. (Full LSAT information and registration materials are in the Law School Admission Bulletin, which is available at the Marshall Department of Political Science.)

REGENTS BACHELOR OF ARTS DEGREE

Marshall University's Regents Bachelor of Arts Degree Program (RBA) is a nontraditional program designed for the adult student. It is different from the usual baccalaureate degree plan in several respects. While the program is designed to ensure the Regents B.A. Degree student a sound educational foundation, rigid specialization requirements are not imposed; instead, with the assistance of an adviser, each applicant creates the course program that best fits individual needs. Students in the program have the opportunity to request college equivalent credit (CEC) for documented college-level learning resulting from work or life experience. All failing grades received four years or more before admission to the program are disregarded in the calculation of the GPA required for admission to the program and graduation. (NOTE: This policy does not pertain to GPA calculated for special academic recognition, such as graduating with honors.)

Admissions Criteria

Students wishing to enter the Regents B.A. Program must first be admitted to Marshall University, and have to meet the same criteria as other applicants. Because the program is designed for adults, however, the following additional regulations apply:

1. Admission is open only to students at least four years out of high school. For those passing a high school equivalency test, admission must be at least four years after their class graduated from high school.

2. Current Marshall students may be admitted to the Regents program with the permission of the Coordinator and the dean or chairman of the program in which they are enrolled. The Regents B.A. Program is not designed as an escape outlet for students excluded from other traditional academic programs for reasons of poor scholarship or who are seeking to avoid program requirements in their current programs.
3. No student may be simultaneously enrolled in the Regents program and another baccalaureate program. A student with an accredited baccalaureate degree will not be admitted to the program.

Graduation Requirements

Total Credit Hours: 128

General Education Hours: 36

Upper Division Hours: 40 (300-400 level courses or equivalent)

Grade Point Average: 2.00

Residence: 24 classroom credit hours earned at any of the schools in West Virginia's public higher education system

Transfer Credits

In transferring credits from accredited institutions of higher learning to the Regents B.A. Degree Program, all passing grades are accepted; however, only 72 credit hours from a community college can be applied toward the degree. Transfer credits can be used to fulfill General Education requirements, the Upper Division Hour requirement, and course prerequisites.

General Education Requirements 36

The student is required to complete the minimum number of credit hours as indicated in each category below:

- I. Communications (6 hours minimum)
 - English 101, 102 or 302, or 201H
 - Communication Studies (CMM) 103, or 305, 207
 - Communication (COM) 221, 231
- II. Humanities (6 hours minimum)
 - Religious Studies - any courses
 - Classical Studies - any courses
 - English - any literature courses
 - Modern Languages - any courses
 - Fine Arts 101
 - Art 112 or any art history or appreciation courses
 - Music 142, 250, or any music history or appreciation courses
 - Philosophy - Any courses except 304
 - Theatre 112
- III. Natural Sciences (6 hours)
 - Chemistry - any courses

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- Physics - any courses
- Geology - any courses
- Geography - 101, 317, 320, 425, 429, 430
- Biological Science - any courses
- IV. Social Sciences (6 hours)
 - Economics - any courses
 - Geography - any courses except those counted above
 - History - any courses
 - Political Science - any courses
 - Psychology - any courses
 - Sociology - any courses
 - Anthropology - any courses
- V. Mathematical Sciences or Computer Applications (3 hours)
 - Computer Science and Software Development (CSD) - any courses
 - Computer Technology (CT) - any courses
 - Mathematics (MTH or MAT) - any course numbered 110 or above
- VI. 9 additional credit hours from any of the General Education categories.

The Regents B.A. office assists program students with all aspects of their college needs: completion of admission documents, program design, course selection and enrollment, assessment for work and life experiences, and other factors.

Prospective students should contact the office for additional information and application materials:

Regents B.A. Degree Program
 Marshall University
 Prichard Hall 218
 Huntington, West Virginia 25755-2050
 or call (304) 696-6400 or 1-800-906-4723
 E-Mail: holbrook@marshall.edu

Women's Studies Minor

The Women's Study Minor consists of 12 credit hours in courses designated as Women's Studies Courses, including regularly offered courses such as Women's Studies 101 and History of Women in the United States, as well as other popular special topic courses such as Geography and Gender, and African American Women's Contributions to West Virginia. The program has the following major objectives:

- to understand the unique contributions of women of all races, sexual orientations, and classes in a global context.
- to complement the existing curriculum where systematic attention to women's experiences and contributions is needed.
- to encourage students to understand the subjective, gender and culture-specific nature of their values, beliefs and customs, and those of others.

(continued)

- to understand the historical and contemporary social mechanisms that promote or limit women's development as full participants in society.
- to use gender- and culture-inclusive language in written and oral communication, and understand language as a means of liberation or discrimination.
- to promote the equitable treatment of all members of society.

Women's Studies Courses

Note that all courses below, except WS 101, are approved for certain instructors only. Check with the Director of Women's Studies, CH 456; 696-2441, before registering.

WS 101: Introduction to Women's Studies

ART 204: Iconography of Mary

CJ 483: Rape and Sexual Violence

CL 231: Women in Ancient Literature

CL 460: Ancient Goddesses

EDF 431: Gender and Education

ENG 414: 19th Century British Novel

ENG 422: American Literature, 1830-70

HST 250: Women in US History

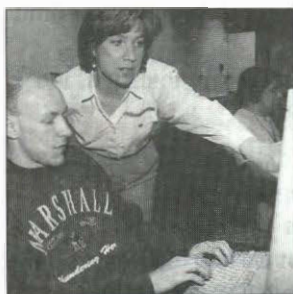
JMC 455: Women and Minorities in media

PHL 340: Philosophy of Sexual Orientation and Gender

PHL 363: Philosophy of Feminism

PSY 330: Human Sexual Behavior

SOC 455: Sociology of Sex and Gender



Learning Opportunities and Resources

ACADEMIC SKILLS CENTER

Patricia Walker, Director
CTC 138/696-3016
walkerp@marshall.edu

You can get help at the Academic Skills Center in math, reading, spelling, writing, vocabulary, study skills, English as a second language, GRE, SAT, PPST, Michigan Test preparation, and other areas. You can use the resources of the Center to build basic academic skills, reinforce class work, prepare for future studies, or refresh existing skills. Each self-paced program is designed to fit your individual needs. You work on your own using computers, videos, etc. You can earn credit by enrolling in ASC 099. Students earn one credit (CR/NC) for every 15 hours of work in the Center to a maximum of 3 credits.

ACADEMIC SUPPORT CENTER

Katherine Hetzer, Coordinator
CTC Lower Level/696-6008
asc@marshall.edu
<http://www.marshall.edu/asc/>

The Academic Support Center brings together four academic support services. Through these four units, the Center provides students with free programs and services to help them succeed in college and beyond. The Center offers a supportive atmosphere in which you can obtain individualized tutoring in a variety of subjects as well as help with writing assignments. The Academic Support Center staff is always available to answer questions, provide materials and generally guide students to academic success. The Center also serves as a clearinghouse of information about the various academic opportunities at Marshall.

- **Advising Center:** The staff of the Advising Center helps students who are Undecided in their major to develop an appropriate schedule at course registration times.
- **Tutoring Services:** If you are struggling in a class, or know you will be struggling soon, you can get help by signing up for a Peer Tutor. Tutors are Marshall students who have demonstrated expertise in their subject areas. Because the tutor has had the class before, you will be able to benefit from his or her experience and focus on the specific requirements of the class. Tutors will meet with you individually, work with you at your own pace and give you help in the specific areas you need most. As a Marshall student, you can receive up to 5 hours a week of tutoring at no charge. You and your tutor will decide when to meet and every attempt will be made to work around your schedule. To sign up for a tutor, come by the Academic Support Center to fill out an application form.

- **Writing Center Tutors:** The Writing Center provides free writing consultation to students. You can drop in without an appointment to receive help with your writing, to use a Macintosh or PC, or both. The Writing Center tutoring staff, which consists of English graduate students and undergraduate peer tutors of all majors, can help students through the entire writing process, from discussing initial ideas to revising and editing their work.
- **Writing Across the Curriculum Tutors:** See Writing Across the Curriculum

CAREER SERVICES CENTER

Sue Edmonds Wright, Director

Fifth Avenue and 17th Street/696-2370

career-services@marshall.edu

http://career.marshall.edu

The Career Services Center provides a multitude of services for undergraduates, graduating seniors, Community and Technical College graduates, alumni, graduate students and professionals of Marshall University. You should make full use of all available assistance, especially in these times when the search for career employment after graduation becomes competitive. By taking advantage of the Career Services Center and its extensive resources and experience, you will greatly enhance your chances of securing satisfying employment. The services relating to employment skills or information needed in pursuit of employment include:

- employment leads for jobs listed by area citizens and companies; you can review the positions listed at Career Services and apply if interested and qualified.
- help with identification of summer job openings and preparation of resumes, application letters, and interviewing skills.
- Career Fairs in a variety of disciplines such as business, health, social services, and education; employers are invited to the campus so students can informally discuss jobs or career questions with them.
- the *Extern Experience* volunteer program recommended for sophomores and juniors; this program enables students to identify a career field where they have an interest and then be assigned to an actual employer site within the Huntington area; you spend from 15 to 25 hours with this employer on a no-salary basis to gain valuable insights into the job assignments and requirements, work environment, co-worker salary ranges, and day to day activities of a particular career; also, you can elect to be placed in more than one setting.
- guidance/testing systems to help in selecting the major field of study; individual career counseling, computer-based career testing, and career interest inventories all help students match their abilities, interests, and aptitudes with a specific career path; career planning classes (8 weeks, 1 hr. credit) are also offered to students who wish to determine their career direction in a group setting rather than through personal conferences.
- help with all related aspects of conducting a job search such as instruction in taking a self-inventory of skills and interests, writing a resume and letters of application, polishing interview techniques, researching company information, locating addresses of employers, accessing job listings, and preparing credential file materials.

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- help with on-campus recruiting, a twice monthly *Career Link* newsletter with job opening and career articles and information, an automated jobs hotline at (304) 696-JOBS, an on-site Career Library of practical information on topics such as starting salaries, company directories, career information, national bulletins and newsletters with job postings, as well as many other resources.
- a World Wide web page at <http://career.marshall.edu> which enables students and alumni to register a credential file, sign up for on-campus interviews, view job listings, and access various other career and job related links.
- alumni assistance such as requests for job listings, forwarding of credential file materials to employers, and career counseling assistance; all services available to students are also available to alumni.

CENTER FOR ACADEMIC EXCELLENCE

Martha Woodward, Executive Director

OM 230/696-5421

woodward@marshall.edu

<http://www.marshall.edu/cae/>

The Center for Academic Excellence houses the University Honors Program, the John Marshall Scholars Program, and the Society of Yeager Scholars Program.

UNIVERSITY HONORS PROGRAM

The Marshall University Honors Program was established in the early 1960s to provide maximum educational opportunities for students of high ability. Honors students are encouraged to raise their expectations of themselves by pursuing enriched courses both within and beyond the regular curriculum. The program supports intellectual excellence and creativity by bringing together outstanding students and stimulating professors.

The mission of the Honors Program is:

- to offer an enhanced educational experience to academically talented and highly motivated students;
- to design, in collaboration with faculty recognized for excellence in teaching, an innovative, interdisciplinary, and multidisciplinary curriculum that emphasizes critical thinking, communications skills, and collaborative learning;
- to supplement that curriculum with enriched academic opportunities consisting of outside lectures, field work, or course-related travel.

To this end, students participating in the Honors Program will:

- develop confidence in their abilities to understand and discuss complex ideas and texts, as well as engage in problem solving and research design;
- learn to apply this new knowledge in meaningful ways that will help them succeed in their professional and personal lives following college;
- strengthen their written and oral communication skills;
- master an ability to work effectively in groups of diverse people;
- make connections between disciplines;
- enjoy a range of supplemental experiences of an academic and social nature with similarly motivated and talented students.

- **Admission Requirements:** Students may begin Honors work at any stage in their college career, although many begin as freshmen. Entering freshmen with an ACT composite of 26 (or SAT equivalent) and a 3.3 GPA may enroll in any Honors course. Transfer students or already enrolled students with a minimum 3.3 GPA can enroll in any Honors course.

- **The Program:** The Honors Program consists of three separate but interconnected components:

1. Entering freshmen should register for HON 101: Introduction to Honors. This is an enriched, Honors section of the New Student Seminars for freshmen. This one credit course meets for the first eight weeks of the semester. It offers Honors students a chance to meet others like themselves, to become familiar with the Honors Program, and to learn through small group discussion about college life and about planning their academic future.
2. Each semester University Honors provides several team-taught, small, interdisciplinary seminars for freshmen and upperclass students. Led by two professors from different disciplines, the 4 credit seminars enable students to study in depth a special topic outside and beyond the regular curriculum. Past seminars have covered such areas as War in the Twentieth Century, Primatology and Human Evolution, America in the Sixties, and Plagues and Epidemics. Seminar titles appear in the official schedule of courses which is published each semester.

HON 150:	Critical Issues
HON 195:	Science and the Arts
HON 196:	American Experience
HON 197:	Ideas in Social Science
HON 294:	Interdisciplinary Honors
HON 295:	Interdisciplinary Honors
HON 296:	Interdisciplinary Honors
HON 395-396:	Interdisciplinary Honors
HON 480-483:	Interdisciplinary Honors

NOTE: Students can use Honors Seminar credits to fulfill department major or college general education requirements. See the Executive Director, CAE (Old Main 230), for instructions and forms.

3. In addition to University Honors seminars, individual departments offer Honors-enriched versions of regular courses. While the prerequisites for department Honors courses vary, they normally require at a 3.0 GPA. The prerequisites for these courses are stated in each department's course listing in the Marshall University Undergraduate Catalog.

CHM 190-191H:	Honors in Chemistry
CHM 290-291H:	Honors in Chemistry
CHM 390-391H:	Honors in Chemistry
CMM 104H:	Honors in Speech Communication
ENG 201H:	English Composition Honors
HST 103H:	The Twentieth Century World-Honors
HST 230H:	American History to 1877-Honors
HST 231H:	American History Since 1877-Honors
PHL 200H:	Introduction to Philosophy: Ancient Period-Honors
PSY 201H:	General Psychology-Honors

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SOS 208H: Social Problems in a Global Context - Honors

NOTE: Many departments also offer individualized programs of study for Honors credit called Readings for Honors.

- Graduation in University Honors: Students who wish to become Honors Scholars in the University Honors Program must maintain a cumulative 3.3 GPA in all courses and a cumulative 3.3 GPA in Honors courses. In addition to their college and department major requirements, they must complete 24 semester hours of:

HON 101: Introduction to Honors 1 hr.

Choose 1: 4 hrs.

HON 150: Critical Issues

HON 195: Science and the Arts

HON 196: The American Experience

HON 197: Ideas in Social Science

HON 294: Ideas in Social Science

HON 295: Ideas in Science

HON 296: Ideas in the Humanities

Choose 2:

HON 395: Interdisciplinary Honors 8 hrs.

HON 396: Interdisciplinary Honors

HON 480: Interdisciplinary Honors

HON 481: Interdisciplinary Honors

Any combination of Department Honors Courses, Readings for Honors, or H-Option Courses (see below). 11 hrs.

TOTAL: 24 hrs.

The Honors Option allows an Honors student [3.3 GPA] enrolled in a regular course to make it an Honors course and to receive Honors credit. The student and instructor, in advance of the semester in which the course is offered, arrange to do a part of the work of the course as Honors caliber. H-option instructions and forms are available in the CAE (OM 230).

- Recognition:

1. The official transcript will state that the University Honors Program has been successfully completed.
2. The diploma will note graduation in University Honors.

JOHN MARSHALL SCHOLARS PROGRAM

Students accepted each year as John Marshall Scholars will receive tuition, fees, and a stipend for four years (as long as they maintain a 3.5 GPA).

Admission Requirements

Students with ACT composites of 30 or higher will be invited to apply. Recipients are selected by the Financial Aid Advisory Council. Priority is given to residents of West Virginia; Lawrence and Gallia Counties in Ohio; and Boyd, Greenup, Carter, and Lawrence Counties in Kentucky.

Program

The academic program consists of an introductory seminar, a core of interdisciplinary seminars, and course requirements of the student's major department and college.

Core Curriculum

HON 101:	Introduction to Honors	1 hr.
Choose one from:		
HON 150:	Critical Issues	4 hrs.
HON 195:	Science and the Arts	
HON 196:	American Experience	
HON 197:	Ideas in Social Science	
HON 294:	Ideas in Social Science	
HON 295:	Ideas in Science	
HON 296:	Ideas in the Humanities	
Choose one from:		
HON 395-396:	Interdisciplinary Honors	4 hrs.
HON 480-483:	Interdisciplinary Honors	
	TOTAL	9 hrs.

Advising

The Executive Director of the CAE will work closely with John Marshall Scholars, aiding each student in the development of an academic program, and providing group programming and special services.

SOCIETY OF YEAGER SCHOLARS PROGRAM

The Marshall University Society of Yeager Scholars is named for United States Air Force Brigadier General (Retired) Charles E. "Chuck" Yeager, the first man to break the "sound barrier" in his historic 1947 flight of the Bell-X-1 aircraft. The purpose of the Society of Yeager Scholars is to provide an outstanding education for outstanding students. The Society desires to provide the Scholars with opportunities to expand intellectual abilities, to develop leadership potential, to become effective communicators, and to gain the skills and knowledge necessary for successful careers. The men and women accepted into the Society each year will receive tuition, fees, textbooks, one-half of room and board, and education-related travel expenses.

Academic Program

The academic program provided for Yeager Scholars consists of a number of elements:

1. A core of four interdisciplinary seminars, one each semester for the first two years. The seminars will cover communication and computers; humanities; theories of science and statistics; arts and history.
2. The development of proficiency in a modern language through a series of specially integrated courses, leading to opportunities to utilize the language in study or travel abroad.

(continued)

3. Additional courses in the natural and social sciences, and in literature, to round out the core curriculum of a Scholar's program.
4. Independent study, guided by a mentor professor, leading to a senior project.
4. Through the core curriculum, assistance to each Yeager Scholar in developing skills in analysis, synthesis, and critical thinking. Each Scholar will be expected to demonstrate superior skills in written and oral communication. In order to remain in the Yeager Scholar program, each student must maintain a cumulative 3.5 Grade Point Average.

Core Curriculum

- Seminars: there are four interdisciplinary seminars, one each semester of the first two years of study, each carries five credit hours for a total of 20 hours.
 - YGS 161 Seminar in Communication and Computers
 - YGS 162 Seminar in Humanities, Texts, and Values
 - YGS 271 Seminar in Theories of the Natural and Social Sciences and Statistics
 - YGS 272 Seminar in Arts and History
- Language Study: development of a proficiency in a foreign language in preparation for travel and study abroad. The purpose of the language program, therefore, is to insure that the Scholars achieve a level of competence in a foreign language high enough for them to communicate effectively and to succeed in classes at a foreign university. For those Scholars who have completed at least two years of high school foreign language instruction, and who wish to continue study in that language, a maximum of 12 hours will be required. For those Scholars who have no foreign language experience, or who decide to start another language, a maximum of 18 hours will be required.
- Literature: two three credit-hour classes for a total of 6 credit hours. Each Yeager Scholar will take two literature courses to be selected with the approval of the Director or mentor. Courses will be chosen for the depth and breadth they will provide the individual student's education. They may be selected to extend a student's previous work or to fill gaps in the student's background. Not all literature courses currently offered may be used to fulfill this requirement. Permission must be obtained from the Chair of the Yeager Steering Committee.
- Social Sciences: six credit hours chosen from the following:
 1. History or culture course. The requirement for a history or culture course can be met by taking courses in the Department of History or by taking French 405, 406, Spanish 405, 406, German 405-406, or Classics 435, 436.
 2. One course from the following:
 - Communication Studies 303, 308, 409
 - Economics
 - Political Science
 - Psychology (201H or another)
 - Sociology-Anthropology (except SOC 108)
 - Geography 100, 203
- Mathematics: three to five credit hours.
 - Scholars with a Math ACT of 27 or better will take MTH 229 or higher;
 - Scholars with a Math ACT of 26 or below will take MTH 130.
 - NOTE: Additional Mathematics courses may be required by the college in which the Yeager Scholar is a major.

- Natural Sciences: **Eight to ten credit hours chosen from the following:**

- Biological Sciences
- Geology
- Chemistry
- Physics

The core curriculum will total 58-66 credit hours. Some of the hours in Literature, Social and Natural Sciences may also apply to the student's major.

Advising

The Executive Director of the CAE will work closely with a mentor/advisor from each Scholar's major field in developing the program of study for each Scholar. Both the Director and the mentor/advisor must approve each Scholar's schedule and program of study.

CENTER FOR AFRICAN AMERICAN STUDENTS PROGRAM

MSC1W25/696-6705

The major activities of the Center are designed to identify, facilitate and implement services to enhance the academic and social needs of African American Students. The following are highlighted:

New Student Reception (Harambee)

This event is held at the beginning of the year for new freshmen students. The program's purpose is to provide new students an opportunity to meet some of the significant campus personnel, such as deans, chairpersons, faculty, etc.

Student Leadership Retreat

A group of African American students are identified by their organizations and the Center for African American Students Programs to attend a twoday leadership training session at one of West Virginia's state parks. The purpose of the retreat is for students to gain and/or enhance their skills for continued or future participation in campus leadership. Training is conducted by university faculty, staff, student leaders and/or special trainers.

The Outstanding Black High School Students' Weekend

The weekend is one of the university's valuable recruiting activities which is in its 14th year. Eleventh grade high school students, selected by their high school principals and/or counselors, are invited to campus to receive a flavor of university life by residing in residence halls, meeting faculty and college deans, discussing campus issues with college students and experiencing campus social life.

The Mentoring Program

This program is specifically designed for incoming freshmen students. It provides, through a diverse group of faculty, staff and upper class persons, mentors who develop a personal relationship with students and become their confidants for the academic year. The supportive relationship that is developed assist students in their academic, social and personal growth. Activities for the program involve workshops, group gatherings; such as

Thanksgiving dinner, pizza parties, off campus activities, and a banquet at the end of the academic year to recognize all who participate in the program.

African American Alumni Series

Each year one or more professionally successful Marshall African American Alumni are brought to campus to share their experiences, knowledge, and expertise by lecturing in university classes, speaking to elementary and high school students, and providing a presentation specifically addressing the "How To's" to the African American college students. As a result of its success, several African American alumni have been appointed to university boards; and the students visualize the individual as contacts for future job opportunities.

Black Faculty Forum

Each term, at least one forum is initiated to explore a critical subject that impacts African American life. The forum provides an opportunity for African American faculty and staff to share expertise and knowledge with the university and local community.

Women of Color Day

Women of Color is a day long program highlighting the many issues affecting the lives of women of color. The program is coordinated through the Center for African American Students Programs and planned by a committee composed of a diverse group of women whose goal is to bring into focus the importance of women of color in this multifaceted society.

Black History Month

Takes place in February. Activities, programs, lectures, speakers and social events are presented to celebrate and educate others as to the accomplishments of African American people. The program format provides the planners an opportunity to invite nationally known speakers, theatrical productions, musical groups to Marshall University as well as to present films, etc.

Black United Students (BUS)

This student organization was established in 1969 to serve as a voice for African American students. Over the years, BUS has been involved in a variety of activities, programs and efforts to enlighten the university and broader community, eliminate barriers and to perpetuate personal cultural pride.

CENTER FOR ENVIRONMENTAL, GEOTECHNICAL, AND APPLIED SCIENCES

James Hooper, Director

112 Gullickson Hall

696-4748

cegas@marshall.edu

<http://www.marshall.edu/cegas>

The Center for Environmental, Geotechnical, and Applied Sciences was established in May 1993 through the cooperative effort of the presidents of Marshall University and West Virginia Graduate College (effective July 1, 1997, the West Virginia Graduate College

became Marshall University Graduate College—MUGC). The goal of the Center is to forge close working relationships among the business community, higher education institutions, and government agencies, in technology related endeavors. The Center has been involved since its inception with educational offerings, research, service, and long-term planning for regional development.

CENTER FOR INSTRUCTIONAL TECHNOLOGY

Brian M. Morgan, Director

435 Drinko Library

696-6469

cit@marshall.edu

<http://www.marshall.edu/cit/>

The Marshall University Center for Instructional Technology was created to bring information technology to bear on the educational mission of the university by providing support for faculty in designing courseware, in using technology-enhanced classrooms, and in applying computer-based communication to extend classroom discussion. The CIT represents a comprehensive and collaborative model for instructional innovation on Marshall University campuses.

- Through training, support, and a commitment to excellence, CIT fosters and nurtures continual learning and innovative ideas to enhance the quality of education for a diverse population.
- CIT provides leadership, training, and resources for faculty and adjunct development and instructional design and instructional technology through one-on-one consultation, faculty development workshops, and by providing state-of-the-art technological resources in the faculty development suites, located on both the South Charleston and Huntington campuses. The CIT also assists faculty and adjuncts in CD-ROM or web-based development, assists in the development of new or revised instructional materials, and provides assistance in the areas of multimedia and digital content production.

COMPUTING SERVICES

Arnold R. Miller

Executive Director, Computing Services

307 Drinko Library

696-2677

computing@marshall.edu

<http://www.marshall.edu/computing/>

Computing Facilities

The Marshall University Computing Services (UCS) administrative offices are located on the fourth floor of the Drinko Library on the Huntington Campus and the second floor of the Administration Building in South Charleston. The mission of Computing Services is to "provide and facility quality computing, networking, and information services for the students, faculty, and staff of Marshall University in support of instruction, research, administration, and economic development, and community service needs."

UCS manages a number of computing facilities which provide access to MUnet connected terminals, Windows personal computers, and Apple Macintoshes for the

(continued)

campus community. Facilities are currently available in Corbly Hall, Harris Hall, Morrow Library, Smith Hall, residence halls, Gullickson Hall, and the Drinko Library and Information Center in Huntington, and in the Administration Building in South Charleston. All UCS sites provide printing and scanning facilities. Other specialized facilities are available at selected sites.

Computer Accounts

As a Marshall student you are automatically entitled to a computer account on MUnet at no extra cost. You should pick up the information you need to activate your account as soon as you have registered. Just follow these steps:

- Take your Marshall University ID to one of these University Computing Facilities: Corbly Hall 331, Smith Hall 211, Harris Hall 444, or the Drinko Library and Information Center;
- Tell one of the assistants that you would like your Computer Account;
- The assistant will print an account sheet that activates your account. The account sheet will contain details about your MUnet Account, which will consist of your last name followed by a number [e.g., SMITH12, JONES1, or HENDERSON1 (the first account assigned to a student with the last name of HENDERSON)]. The pre-assigned user-id and password contained on the account sheet will give you access to everything you need to make full use of the campus network and the Internet.

Computing Services Technical Assistance Line (“Help Desk”)

UCS provides a Help Desk for MUnet account holders, which is available by calling 696-3200 or 746-2068; or by e-mail at helpdesk@marhsall.edu. Help is available to MUnet and dial-up account holders on a variety of subjects ranging from network connection to application software assistance.

Internet Access Off Campus

University Computing Services, in conjunction with WVNET (the West Virginia Network for Educational Telecomputing), also sponsors a bank of over 100 V.90/X2 (up to 56,000 bps) capable modems with local dial access in Huntington, Charleston, and many other sites in West Virginia. There is a charge for this service. The service is managed jointly by Marshall University and WVNET and is available to all students. For information call the Help Desk: 696-3200.

MUnet

MUnet is a fiberoptic Gigabit Ethernet and ATM-based network providing ethernet connections to every campus building, office desktop, and most campus computing labs, meeting rooms, residence hall rooms, and classrooms. Currently, every faculty member has network access via a desktop computer. MUnet is linked to the Internet via high-speed digital ATM service. A number of classrooms also support networked labs and two-way video capabilities.

Servers and Systems

Central timeshare and server facilities include more than fifty servers and systems consisting of a mix of Digital/CompaqALPHA processors running Open VMS and Digital UNIX, and Intel-based processors running Microsoft Windows NT. These systems provide

timeshare, file, print, database, CD-ROM, mail, Library, and web services to personal computers and workstations. A wide variety of software products is available to MUnet users including administrative software based on SCT corporation's BANNER products, office automation products (word processors, spreadsheets, electronic mail, document production, electronic filing, calendar/ time management, and other groupware functions), computer based instruction, programming languages, query/ data base packages, CD-ROM databases, graphical/presentation products, courseware delivery, and electronic publishing packages.

DRINKO ACADEMY

Alan Gould, Executive Director

OM 211/696-3183

drinko@marshall.edu

<http://www.marshall.edu/drinko/>

The John Deaver Drinko Academy is devoted to enhancing public understanding of American institutions and the responsibilities of citizens to their society, particularly our sense of shared values and common purpose. The efforts of the Center are designed to counteract the erosion of our civil culture, evident in the steady decline of citizens' participation in voting and jury duty, despite an expansion of the franchise in the 20th Century and federal laws protecting voting rights. The Center is named for Dr. John Deaver Drinko, a 1942 Marshall graduate and senior managing partner of Baker & Hostetler, one of the nation's largest law firms. He and his wife, Elizabeth Gibson Drinko, have been long-time significant supporters of academic programs at Marshall.

The heart of the Drinko Center is a core of several distinguished visiting professors who are given a great deal of latitude to create courses and engage in other educational and scholarly activities that address the mission of the Drinko Center. Along with the Distinguished Visiting Professors, faculty from various departments are appointed on a rotating basis as Drinko Academy Fellows.

HIGHER EDUCATION FOR LEARNING PROBLEMS (H.E.L.P.)

Barbara Guyer, Director

Myers Hall/696-6317

help@marshall.edu

<http://www.marshall.edu/help/>

Higher Education for Learning Problems (H.E.L.P.) Program was established in 1981. H.E.L.P. provides qualified college students who have Learning Disabilities and/or Attention Deficit Disorder (ADD) the rights they are guaranteed under Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. The program offers these services:

- Assessment to determine presence of LD and/or ADD.
- Tutoring by Graduate Assistants in coursework, note-taking, study skills, organization and memory improvement.
- Remediation in reading, spelling and written language skills by Learning Disabilities Specialists.

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- Liaison among professors, H.E.L.P., and students.
- Arrangement for accommodations in testing.
- Counseling for problems with self esteem and severe test anxiety.

Application to H.E.L.P. must be made separately from application to the university and should be completed no fewer than six months in advance.

HONORARY SOCIETIES

These honorary and professional societies maintain active chapters on the Marshall campus:

- Alpha Delta Sigma (advertising)
- Alpha Epsilon Delta (pre-medicine)
- Alpha Epsilon Rho (broadcasting)
- Alpha Kappa Delta (sociology)
- Alpha Phi Sigma (criminal justice)
- Alpha Psi Omega (theater)
- Delta Epsilon Chi (marketing education)
- Delta Omicron (music)
- Eta Sigma Phi (classical studies)
- Gamma Beta Phi (honor, service)
- Gamma Theta Upsilon (geography)
- Kappa Delta Pi (education)
- Kappa Kappa Psi (band)
- Kappa Omicron Nu (Family and Consumer Science)
- Kappa Omicron Phi (home economics)
- Lambda Alpha Epsilon (criminal justice)
- Lambda Pi Eta (communication studies)
- Omicron Delta Epsilon (economics)
- Omicron Delta Kappa (leadership, scholarship)
- Phi Alpha Theta (history)
- Phi Eta Sigma (national freshmen honorary)
- Pi Kappa Delta (forensics)
- Phi Theta Kappa (Community and Technical college)
- Pi Mu Epsilon (mathematics)
- Pi Omega Pi (office technology)
- Pi Sigma Alpha (political science)
- Psi Chi (psychology)
- Scabbard and Blade (military science)
- Sigma Delta Pi (Spanish)
- Sigma Theta Tau (Nursing)
- Sigma Tau Delta (English)
- Upsilon Pi Epsilon (computer science)

INFORMATION TECHNOLOGY

Jan I. Fox, Associate Vice President

305 Drinko Library

696-6706

it@marshall.edu

<http://www.marshall.edu/it/>

The Marshall University Information Technology Office is located in the third floor administrative suite of the Drinko Library. Information technology is committed to improve the efficiency and effectiveness of every aspect of technology throughout Marshall University by promoting and supporting Information Technology applications as a means of enhancing teaching/learning and administrative operations. The IT Office integrates instructional technology, web delivery methods, distance education, library and computing resources for all Marshall University campuses and leads the development of an integrated information technology environment. By actively aiding and enhancing the academic and support activities of the University, IT delivers support and services that help faculty, staff, and students achieve Marshall University technology goals.

INSTRUCTIONAL TELEVISION SERVICES

Dr. John Buskey, Director

Communications Building 219

696-3150

ITVS@Marshall.edu

<http://www.marshall.edu/itvs/>

As a member of the West Virginia Higher Education Instruction Television consortium, Marshall academic departments offer several telecourses each semester via WPBY (channel 33) and other public television stations in West Virginia. Students view the courses at home and then meet on campus a few times each semester for discussions and examinations. Interactive Video courses provides regular, live, on-campus courses delivered to several sites in Southern WV which feature interactive two-way video and audio communication via high speed telephone lines. Special classrooms have been constructed to provide state of the art facilities. Marshall is a member of the Satellite Network of West Virginia (SATNET), which allows its academic departments to both originate graduate and undergraduate courses for the network and receive courses from other institutions. Course delivery features live one-way video and two-way telephone communications. Some courses include E-mail and other Internet components.

JUDICIAL AFFAIRS

Linda Rowe, Director

2W38 MSC/696-2495

rowe@marshall.edu

<http://www.marshall.edu/judicial-affairs/>

The faculty and administration recognize the rights and responsibilities of students. These include the privilege and obligation of maintaining high standards of social and personal conduct. While encouraging students to develop independence, the university embraces the concept that liberty and license are not synonymous and it therefore accepts the obligation to maintain standards which will provide for the welfare of the individual

and the campus community at large. For Marshall University to function effectively as an educational institution, students must assume full responsibility for their actions and behavior. Students are expected to respect the rights of others, to respect public and private property, and to obey constituted authority. A student's registration constitutes acceptance of these responsibilities and standards; thus registration serves as an agreement between the student and the university. Failure to adhere to the policies and conduct regulations of the university places the student in violation of the Marshall University Code of Conduct and may, therefore, subject the student to disciplinary action such as disciplinary warning, a period and degree of probation, suspension, or expulsion. All registered students are subject to the Code at all times while on or about university-owned property, or at university sponsored events. Any member of the university community may refer a student or student organization violating the Code of Conduct to the Office of Judicial Affairs.

LIBRARIES

Drinko Library and Information Center

University Libraries

library@marshall.edu

<http://www.marshall.edu/library/>

The new Drinko Library and Information Center (opened Fall 1998) is a \$31 million, 118,000 square foot state-of-the-art facility. The library holds 200,000 printed volumes, nearly 300 computerized workstations and notebooks available to patrons, more than 200 open laptop ports and 800 ports throughout the building, has a 24-hour reading room/computer lab, individual study areas, multi-media preparation rooms, open stacks, and a café. The Drinko Library is linked via Internet to the Library of Congress, other libraries, schools, colleges and universities, government resources, databases, listservs, businesses, homes, and job listings worldwide.

Health Sciences Library

Edward Dzierzak, Director

696-3033

<http://www.marshall.edu/library/hp/libhp.htm>

The Health Sciences Library is located in the new wing of the Cabell-Huntington Hospital. Its primary mission is to serve the informational needs of the students, faculty, and staff at Marshall University. The Library also plays an important role in providing information services to hospitals and health care professionals in the Huntington and the Tri-State area. The Library subscribes to approximately 400 journals in the biomedical and nursing fields. A fifteen year run is kept for most journals. The monographic collection contains approximately 20,000 volumes.

Music Library

Kay Wildman, Music Librarian

Smith Music Hall 121

696-2509

library@marshall.edu

<http://www.marshall.edu/library/music.html>

The library collection includes more than 8500 sound recordings (tape, LP & CD format), 10,000 scores, music education materials and a sizeable reference collection.

Although its primary focus is classical, a growing number of jazz, folk, and popular materials are included as well. Turntables, CD players, and tape decks (reel-to-reel and cassette) are available for individual listening. The music computer lab area contains Macintosh machines with attached keyboards and provides educational programs and CD-ROMS for music.

James E. Morrow Library

Stack Tower: 696-2852

Government Documents: 696-2343

Special Collections: 606-2342

<http://www.marshall.edu/library/morrow.htm>

Situated between Smith Hall and the Science Building, the Morrow Library houses Special Collections, Government Documents, and storage for approximately 200,000 volumes of lesser-used titles. Special Collections features the University archives, West Virginia collection of state legislative materials, and the Hoffman and Blake collections. Government Documents contains more than 900,000 items and provides materials in electronic and paper formats.

Marshall University Graduate College Library

Dr. Celene Seymour, Associate Director

746-8901

Library@marshall.edu

<http://www.marshall.edu/library/mugc.htm>

The Marshall University Graduate College Library, opened in the Spring Semester 1998, is located on the first floor of the new Robert C. Byrd Academic Building in South Charleston. The library holds a core collection of 6,500 volumes and 420 journal subscriptions. The libraries on the Huntington campus share resources including several databases through Marshall's web gateway. A daily courier service delivers materials between the two campuses.

ORIENTATION

Linda Templeton, Director

OM 119/696-2354; (1-800-438-5392)

New Student Orientation Programs are conducted during the summer and immediately preceding the fall, spring, and summer terms to help freshmen, transfer students, and their parents learn more about Marshall and meet students, staff, faculty, and administrators. During the Orientation programs, students and parents will learn about campus services, extracurricular activities, and community life. Most important, new students will meet with an academic advisor, plan their course schedule, and register for classes. All newly admitted students will automatically receive an Orientation reservation form. There is a one time only, non-refundable \$40.00 fee which covers administrative costs, program materials, and lunch. All students are expected to attend this important first step into college life at Marshall University.

PSYCHOLOGY CLINIC

Joe Wyatt, Director

HH 449/ 696-2772

<http://www.marshall.edu/Psych/Clinic/Homepage.html>

The Marshall University Psychology Clinic has been established by the Department of Psychology to serve as a training facility for advanced graduate students enrolled in the clinical psychology program at the university and to provide high quality, low cost, confidential psychological services to individuals on the campus and from the local community. The student clinicians are graduate students in the Marshall University Clinical Psychology Master of Arts program. Student clinicians provide services under the supervision of qualified clinical faculty selected by the Department of Psychology to fulfill supervisory and teaching functions. A variety of services is offered by the clinic. These include individual psychotherapy, psychological assessment, group psychotherapy, as well as educational workshops and other events. Some faculty also provide services. Although the clinic is not a for-profit venture, nominal fees are charged for services.

PUBLIC SERVICE INTERNSHIP

Cheryl Brown, Political Science

SH 741/696-2760

brownca@marshall.edu

The Board of Trustees developed the Public Service Internship Program to place qualified students in state government agencies for an off-campus learning period of one semester. Students enrolled in this program work a forty-hour week with an executive agency in a supervised intern program. They also attend a weekly seminar conducted by the state program coordinator and have a directed studies program conducted by their major department at Marshall. Participants must be full-time Juniors or Seniors. They also must have the approval of their department chairperson and the university selection committee. The state program coordinator makes the final placement. Students receive 12 hours of academic credit and an educational stipend for their participation in the program. Academic credit for the program is offered in these courses:

488	Directed Studies	3 hours
489	Seminar in Public Service	3 hours
490	Public Service Internship	6 hours

These courses carry the sponsoring department's designator. The student's major department will determine how the credit is to be allocated to meet departmental requirements. All courses must be taken in order to receive credit. Students interested in this program should contact the Department of Political Science early in the semester preceding the one in which they wish to participate.

SCHOOL OF EXTENDED EDUCATION

Donovan Combs, Interim Dean

PH 224/696-4723; 1-800-906-4723.

aee@marshall.edu

<http://www.marshall.edu/aee/>

The School of Extended Education (SEE) was established in 1993 to help:
• adult students (see Regents B.A. Degree program under separate listing);

(continued)

- students who live beyond normal commuting distances from campus in order to gain access to college courses;
- military personnel throughout the state (campbelp@marshall.edu);
- high school students who meet specific requirements to take college courses in their high school before graduation, in order to begin college (campbelp@marshall.edu);
- as the "gatekeeper" for electronic on-line courses (thill@marshall.edu)

SEE provides evening office hours to 6:30 PM, courses taught via telecommunications, evening and weekend courses, programs with accelerated schedules, and off-campus courses. Currently, SEE maintains off-campus centers at these sites:

- Beckley Center, Beckley
(304) 252-0719 lbrowning@marshall.edu
- Bluefield Center, Bluefield
(304) 327-5884 lbirchfield@marshall.edu
- Mid-Ohio Valley Center, Point Pleasant
(304) 675-2627 MOVC@zoomnet.com
- Southern Mountain Center (on Southern West Virginia Community and Technical College campuses-Logan and Williamson)
(304) 792-7098 EXT. 303 burgraff@marshall.edu
- Teays Valley Regional Center, Teays Valley
(304) 757-7223 prisk@marshall.edu

SPEECH AND HEARING CENTER

Beverly Miller, Director

SH 143/696-3640

commdis@marshall.edu

<http://www.marshall.edu/commdis/mushc/>

The Department of Communication Disorders in the College of Nursing and Health Professions operates the Speech and Hearing Center which provides help with speech and hearing problems. The Center also provides special training for individuals who would like assistance with dialect change. Services are available for Marshall students, faculty and staff and the general public. A reduced fee is available to Marshall students, faculty and staff. For scheduling call the number above.

STUDENT AFFAIRS

Donnalee Cockrille, Dean of Student Affairs

2W40B Memorial Student Center/696-6422

student-affairs@marshall.edu

<http://www.marshall.edu/student-affairs/>

Student Activities

The student as a planner, participant, leader, and presenter is best exemplified in the area called Student Affairs. Staff strives to create environments for students where they can practice leadership skills and responsible citizenship, clarify their values, and generally become full participants in the learning process. Staff provides advising, leadership development, support services in a variety of settings including but not limited to student

social-cultural events, student governance, fraternities and sororities, legal aid, judicial affairs, and off-campus and commuting students.

The various units within Student Activities are:

1. Student Activities
2. Recognized Student Organizations
3. Judicial Affairs
4. Student Governance
5. Student Legal Aid
6. Greek Affairs (fraternities and sororities)

Student Development

The Student Development Center is best described as the educational support service area of the Division of Student Affairs. Its major goal is to enhance and support a student's personal and academic development. This assistance is accomplished through developmental, remedial, and preventive programs, activities, services which include, but are not limited to personal and social counseling; educational and career counseling; study skills development; tutorial services; health education; returning students and disabled student services.

All units of the Student Development Center are located on the first floor of Prichard Hall (696-3111):

1. Counseling Center: assists students in the resolution of personal or emotional concerns; the center is staffed by mental health professionals and provides comprehensive services; call 696-3111 for information.
2. Women and Returning Students Programs
3. Student Health Education/Substance Abuse Prevention
4. Disabled Student Services

Student Health Service

The Student Health Service (SHS) is located at the Marshall Medical Center at Cabell-Huntington Hospital. The SHS is designed to treat acute illnesses, although treatment of chronic conditions is available on a limited basis. Services are delivered by the Department of Family and Community Medicine, a division of the School of Medicine. Operating hours are from 8 a.m.-4:30 p.m., and it is closed Saturdays, Sundays, and on school holidays. The SHS encourages students to make appointments for treatment, but will treat students on a walk-in basis. Marshall University recommends that all students carry medical insurance in case of serious illness or injury.

STUDENT SUPPORT SERVICES

Joseph Dragovich, Director
PH 130/696-3164

The Student Support Services Program is a federally funded program which provides a wide range of academic and cultural enrichment programs to a specifically identified group of Marshall students. Services are provided which allow students to develop reading and learning skills and to improve study habits. A tutorial component is available to supplement classroom instruction and to help students better understand subject matter in most freshman and sophomore level courses. Counseling is also available to help students in academic planning, social development, and career decision making.

STUDY ABROAD

Dr. Clair Matz, Coordinator

International Studies

OM 320/696-6265

cip@marshall.edu

<http://www.marshall.edu/cip/>

Undergraduate students can experience life in a different culture while pursuing an approved course of study toward the baccalaureate degree. (See information on transfer of credit and grades below.) This international experience will serve as excellent preparation for whatever career you choose. Marshall students have enrolled in programs of study in such countries as England, Spain, Mexico, Australia, Japan, France, Germany, and China. You can arrange for study abroad in several ways:

- study abroad for one or more semesters or during the summer;
- enroll in another American institution's study abroad program (see Marshall Students Visiting Other Institutions);
- enroll in an International Exchange Program. Marshall maintains a number of these programs (see below) which involve a direct relationship with the institution abroad as well as easy transfer of credits.

The Center for International Programs Office will help you find the right program for your needs. Study abroad is done typically in the Junior year. Advance planning will ensure a successful experience. By making an early commitment to study abroad, you can plan your curriculum, save money, and prepare for living in a foreign setting, possibly with a host family or in a shared apartment.

Types Of Study Abroad Programs

INTERNATIONAL EXCHANGE PROGRAM:

Marshall University currently maintains exchange programs with the University of New Brunswick and in Windsor, Canada; Anglia University in Cambridge, England; Buckinghamshire College in London; Belfort Institute of Technology in France; HTW in Germany; University of Aquascalientes and Technical University in Monterrey, Mexico; University of Zaragoza in Spain, and Kansai University in Japan. Marshall students who study at these institutions generally pay MU tuition and fees at home. The cost of room and board is equivalent to the cost of residence halls and apartments in the US.

JUNIOR YEAR ABROAD:

Nine to twelve months fully integrated into the foreign environment requires the most commitment. It requires fluency in the host language and often is the most costly of the options. However, it also yields the most in personal growth and maturity.

NATIONAL STUDENT EXCHANGE PROGRAM:

Marshall University is a member of the National Student Exchange, a consortium of more than 150 four-year colleges and universities in the United States and its territories which have joined together for the purpose of exchanging students. It is the only program of its kind in the country, offering study opportunities at diverse university settings, and

providing access to a wide array of courses and programs, field experiences, co-op and internship options, and opportunities for resident assistants, honors, and study abroad.

The program features a tuition reciprocity system which allows students to attend their host institution by paying either the in-state tuition/fees of their host institution or the normal tuition/fees of their home campus. Work completed while on exchange at the host campus is brought back to the home institution and credited to the student's degree program.

The only requirement is a 2.5 GPA and a non-refundable processing fee. Our campus coordinator, who will provide you with all the information you need, is Martha Woodward, Executive Director of the Center for Academic Excellence, Old Main 230, 696-2475.

SEMESTER ABROAD:

Because most foreign universities are not organized on a semester system or offer credit hours, these one semester programs are usually run by American universities. Classes are usually offered in English by American or host professors.

SHORT-TERM STUDY ABROAD:

These are typically summer programs lasting six to ten weeks. Often they are a quick way to become fluent in a language or gain a good understanding of a country. The Department of Modern Languages currently sponsors summer language study programs in France and Spain.

TRAVEL-STUDY TOURS:

These are usually very short-term events (over Spring Break), which involve travel rather than residential study.

Students who enroll in study abroad programs can maintain their Marshall student status by registering for the appropriate section of SA 101 or SA 102 for exchange students, and SA 301 for students otherwise studying abroad. (See Study Abroad advisor.)

Transfer of Foreign Credits/Grades

1. If you plan to study abroad, you should consult with the Study Abroad Advisor in the Center for International Programs before you leave. In consultation with the appropriate departments/programs, the Advisor will determine lower or upper division credit for the courses under consideration.
2. You should then fill out an off-campus approval form ("Approval of Courses to be Taken for Advanced Standing") to be signed by all concerned parties, including faculty representatives of the appropriate departments/programs and your college dean, and return it to the Registrar's Office.
3. Foreign study courses can be taken as Credit/No Credit, or for a letter grade, depending on the grading system of the host institution.
4. If you choose Credit/No Credit grading, you must follow these steps to ensure that the credit will count toward major, minor, or core requirements:
 - exchange program students must obtain advance approval for courses taken Credit/No Credit from the department in which the courses will be credited.
 - all other students must obtain approval for courses taken Credit/No Credit in consultation with the Study Abroad Advisor and the appropriate departments/programs when the off-campus approval form is done.

Steps To Prepare

1. Commit yourself and begin planning.
2. Gather information—use the study abroad library in the Center for International Programs Office, Old Main, 320. Use the Drinko Library to find more details. Also, check out online sources for study abroad.
3. Estimate costs—talk with parents, the Financial Aid Office and the Study Abroad Advisor.
4. Decide on a program—semester, summer, or a full year. Decide on a country and on what language you may need.
5. Consult often with the Study Abroad Advisors and faculty. They can offer insightful tips and pre-departure orientation.

TECHNOLOGY INSTITUTE

Michael Simmons, Exec. Director

PH 112/696-2201

simmons@marshall.edu

<http://www.marshall.edu/mti/>

The Marshall Technology Institute serves as a gateway to plan, market and coordinate expertise and services for meeting technology demands of the university and the community. MTI enhances existing information technology programs, provides applied research, offers technical assistance, coordinates workforce development and training, and creates opportunities for faculty, staff, and students. Recent initiatives of MTI are:

- **ITCAP (Information Technology Career Advancement Program):** private/public partnership resulting in valuable technology internships for students with leading West Virginia companies
- **CISCO Academies:** a new program to teach and certify high school and college students to design, build and maintain computer networks capable of supporting national and global organizations.
- **Summer Technology Institutes:** Short, hands-on institutes to provide intense training in information technology to prepare students for service to the university and eventual success in their careers.

TESTING CENTER

Vickie Seguin, Director

Gold Building/696-2604

seguin@marshall.edu

<http://www.marshall.edu/cbtc/>

The Testing Center administers the GMAT, GRE, PPST/Praxis and various other tests of the Educational Testing Service. For hours call number above.

UNIVERSITY COLLEGE

University College is an administrative unit within Enrollment Management that oversees many of the university retention programs. Headed by an assistant dean, University College houses all conditionally admitted students (including international students), the Baccalaureate Transition Program, and all transient students. The Academic Support Center, which includes advising and tutoring, is a part of University College, as is University 101: New Student Seminar.

UNIVERSITY 101: NEW STUDENT SEMINAR

uni101@marshall.edu

<http://www.marshall.edu/uni101/>

UNI 101: New Student Seminar is designed as an introduction to college life for freshmen and new transfer students. Taught by faculty, administrators and staff, the course provides students with an opportunity to adjust to the academic and social environment of college under the guidance of a mentor and in the presence of a small group of peers. The Office of Enrollment Management is the administrative unit which houses UNI 101.

Some sections of this course last 8 weeks and meet twice a week; others last 16 weeks and meet once a week. The course is one credit hour and is graded Credit/No Credit (CR/NC). Each undergraduate college offers sections reserved for its own students. Students with ACT composites of 26 and above and those enrolled in the Honors Program must enroll in HON 101 instead of UNI 101. Students choose the appropriate section in consultation with an academic advisor, usually during Orientation.

Students who take UNI 101 will get help in making a successful transition to college and will be better equipped to face the academic challenges at the university and the social and cultural adjustments of adult life.

WRITING ACROSS THE CURRICULUM

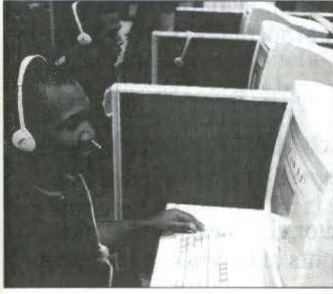
Dr. Charles Lloyd, Director

OM 236/696-4650

<http://www.marshall.edu/wac/>

All Marshall University undergraduates must take one Writing Intensive class, sometimes called a WAC class. Created to reinforce writing skills in classes outside of English composition, writing intensive classes engage students directly in the subject matter of the course through a variety of activities that focus on writing as a means of learning. Some of these activities are informal, ungraded class exercises that teach (among other things) critical thinking, organization and synthesis of diverse elements, summarizing skills, and awareness among students of their own learning processes. Other activities, formal and graded, teach these same skills through careful revision and rethinking, peer evaluation, and reformulation into a finished product. These class projects use writing as a means of engaging the mind, body, and spirit of students in the activity of learning a particular subject matter.

Writing intensive classes make students aware that writing is a necessary and frequently used skill no matter what their occupation will be, and they prepare students for writing in their careers and in their personal and community lives.



University Policies and Procedures

AFFIRMATIVE ACTION POLICY STATEMENT

Sexual Harassment, a form of sex discrimination, is illegal and against the policies of the university. Sexual Harassment involves:

- (a) making unwelcome sexual advances or requests for sexual favors or other verbal or physical conduct of a sexual nature a condition of employment or education, or
- (b) making submission to or rejection of such conduct the basis for employment or educational decisions, or
- (c) creating an intimidating, offensive or hostile environment by such conduct.

Anyone who believes he or she has been the subject of Sexual Harassment should report the alleged conduct immediately to an appropriate university representative or directly to the Office of Equity Programs, located in 206 Old Main.

LIABILITY

Marshall University, as a state agency cannot assume responsibility for loss of or damage to the personal property of students. Furthermore, the university cannot assume responsibility for personal injury to students.

PRIVACY RIGHTS OF PARENTS AND STUDENTS

The Family Educational Rights and Privacy Act of 1974, 93-380, 93rd Congress, H.R. 69 authorizes granting to parents and students the right of access, review, challenge, and exception to education records of students enrolled in an educational agency or institution. In accordance with the regulations of the Family Educational Rights and Privacy Act of 1974, Marshall University has adopted a policy to be implemented by all units of the institution. Upon enrollment in the university, the student and/or eligible parent(s) may request a copy of the policy.

Under the Act the student and eligible parent(s) are granted the following rights:

- to be informed of the provisions of the Act through adoption of an institutional policy;
- to inspect and review the records of the student;

(continued)

- to reserve consent for disclosure except as exceptions are granted in the regulations, i.e., school officials, officials of other schools to which the student seeks attendance, or others as delineated in Section 99.31;
- to review the record of disclosures which must be maintained by the university; and
- to seek correction of the record through a request to amend the record and to place a statement in the record.

After the student registers for courses, the student and/or eligible parent(s) may request a copy of the policy Education Records: Privacy Rights of Parents and Students from the Student Legal Aid Center, MSC, 2W29.

Complaints of alleged failure by the university to comply with the Act shall be directed to:

The Family Educational Rights and Privacy Act Office
 330 Independence Avenue, S.W.
 Washington, D.C. 20201

The University encourages complainants to lodge a formal complaint with either the Dean of Student Affairs, Ombudsman, or the Attorney for Students.

Requests for further clarification on this Act, the regulations, and University policy should be directed to the Dean of Student Affairs or Student Legal Aid Center.

WEATHER-RELATED AND/OR EMERGENCY CLOSINGS AND DELAYS

Generally it is Marshall University's policy to maintain its normal schedule, even when conditions are inclement. However, this is not always possible. In those instances when it is necessary to alter the schedule in response to weather conditions, every effort will be made to notify all those affected, students, faculty, staff and the general public, as expeditiously and as comprehensively as possible in the following ways:

1. Television stations in Huntington and Charleston will be notified.
2. Radio stations in Huntington and Charleston will be asked to announce the delay or closing.
3. Time permitting, newspapers in Huntington and Charleston will be notified. Often, however, decisions must be made after the deadlines of newspapers.
4. The Director of University Relations will communicate the specific details of the closing as follows:
 - To the Office of Public Safety at 696-HELP
 - To the AUDIX of the Assistant Vice President-Administration at 696-3335 and at his/her home.
5. The closing message will be placed on the entire university AUDIX system as well as the university response number: 696-3170.

Definitions:

- a. University Closed: All classes suspended and offices closed.
- b. Classes Canceled: All classes suspended; offices open.

- c. **Delay:** A delay in the beginning of activities, usually in the range of one to two hours. For example, since normal operations of the university begin at 8:00 a.m., a two hour delay would mean functions would begin at 10:00 a.m. As a result, Monday, Wednesday or Friday classes beginning at 8:00 a.m. or 9:00 a.m. would be canceled; 10:00 a.m. classes would meet. Tuesday or Thursday classes beginning at 8:00 a.m. would be canceled; those scheduled for 9:30 a.m. would begin instead at 10:00 a.m. in an abbreviated session. In most instances, delays on Tuesday or Thursday will be 90 minutes, enabling 9:30 classes to begin on schedule.

Clarification

Since announcements in the mass media are subject to inadvertent distortion, incompleteness or misunderstanding, clarification may be obtained by telephoning Marshall University at 696-3170.

Staff and Administration Personnel

The university will be completely closed only rarely and in extreme situations since it is essential that public safety be maintained, that buildings and equipment be protected and that services be provided for those students housed in campus facilities. Therefore, although classes may be canceled, all university staff and administrative employees will be expected to report to work, unless notified otherwise. In the event of critical need, certain employees may be required to report to work or temporarily reside on campus to ensure human safety and preservation of university property and/or facilities.

Individual employees may, in their best judgment, determine the risk of travel to be too great and elect to remain at home. Those who do so should contact their respective supervisors and indicate they are: (1) taking annual leave that day, or (2) taking compensatory time, in the event compensatory time is owed them.

In the event a building, or a section of a building is closed (because of heat loss, power outage, etc.), employees working in the affected area will be permitted to take their work to another area or building on campus. Or, in consultation with the supervisor, the employee may elect to take annual leave that day or take compensatory time off.

In the event of an extreme situation (tornado, flood, ice storm, campus disturbance, etc.) and if the employees' presence is not desired on campus, this information will be disseminated to the news media. A decision as to whether the missed time will be chargeable to annual leave, compensatory time, or a non-pay situation will be determined by the President and communicated through supervisors. Supervisors must take steps to ensure offices and/or work stations are open to employees at all times when those employees are expected to be at work, including inclement weather situations and other disruptive situations.

Faculty

Once operations are resumed, deans and departmental chairs must take steps to ensure that faculty meet their scheduled classes or substitutes are secured so that class schedules are met.

Decision-making

Decisions on closings and/or delays will be made jointly by the Vice President for Academic Affairs and the Senior Vice President for Operations following consultation with other appropriate officials, including the President. Should only one of those two Vice Presidents be available, that person will make the decision. Every effort will be made to reach a decision to allow time for adequate notification to the news media and, in turn, those affected.



Academic Information

You are responsible for fulfilling all of the requirements for your degree program and for following the procedures and regulations in the catalog in effect when you enter Marshall. Your catalog is valid for ten years. If you transfer colleges or declare or change your major, the catalog of record is the one in effect at the time of the change.

Absence from Class

Each instructor evaluates the importance of student class attendance. The course syllabus provides you with a clear statement of the class attendance policy as well as your instructor's policy on unexcused absences, make-up examinations, and related matters. Absences such as those resulting from illness, death in the family, or institutional activities (those approved by the academic deans, such as debate, artistic performances, and athletics) are to be excused when you report and verify them to your instructor. Absences resulting from major religious holidays will be excused when you report them and verify them to your instructor in advance.

Academic Appeals

The appeals process ensures that all parties are treated fairly and are aware of the appeals procedure. In accordance with Board of Trustees Series 60, Marshall has an appeals process for the circumstances listed below. (See separate listings under Academic Dishonesty, Academic Dismissal, Appeals Board, and Grade Appeals.)

1. Instructor-imposed sanctions, including: lowering of final course grade, failure of course, or exclusion from further participation in the class.
2. Final course grades.
3. Sanctions imposed for academic dishonesty.
4. Dismissal from an academic program.
5. Dismissal from the university.
6. Such other cases as may be referred to the Appeals Board by the Budget and Academic Policy Committee.

Academic Common Market

Out-of-State Programs at Reduced Tuition

West Virginia residents can pursue academic programs not available within the state through the Academic Common Market (ACM) and through contract programs. Both programs enable West Virginians to enter out-of-state institutions at reduced tuition rates. Contract programs have been established for study in veterinary medicine, optometry, architecture, and podiatry; ACM provides access to both baccalaureate and graduate programs not otherwise available in West Virginia. The programs are restricted to West Virginia residents who have been accepted for admission to one of the specific programs at designated out-of-state institutions. For information please contact the Office of Academic Affairs, Old Main 110, (696-6690) or the Board of Trustees.

Academic Dishonesty

Definition: Academic Dishonesty is defined as any act of a dishonorable nature which gives the student engaged in it an unfair advantage over others engaged in the same or similar course of study and which, if known to the classroom instructor in such course of study, would be prohibited. This includes, but is not limited to:

- securing or giving unfair assistance during examinations or required work of any type;
- the improper use of books, notes, or other sources of information;
- submitting as one's own work or creation any oral, graphic, or written material wholly or in part created by another;
- securing all, or any part of assignments or examinations, in advance of their submission to the class by the instructor;
- altering of any grade or other academic record;
- conspiring with or knowingly helping or encouraging a student to engage in academic dishonesty;
- any other type of misconduct or activity which shows dishonesty or unfairness in academic work.

Each classroom instructor may modify the general definition of academic dishonesty to fit the immediate academic needs of a particular class, provided the instructor defines, in writing, the details of any departure from the general definition.

Sanctions: Primary responsibility for the sanctioning for academic dishonesty shall lie with the individual instructor in whose class or course the offense occurred; however, charges of academic dishonesty may be filed by any member of the university community. Sanctions for academic dishonesty may range from a lower final grade in or a failure of the course or exclusion from further participation in the class to dismissal from the institution. In those cases in which a student has been found guilty of academic dishonesty he/she may be placed on academic probation for a period of time not to exceed one academic year. During this period the student is given an opportunity to prove that he/she can become a responsible and positive member of the university community. Conditions and restrictions for probation may be imposed, as deemed appropriate, including but not limited to:

- Exclusion from representation of the university in any extracurricular activities such as intercollegiate athletics, debate teams, university theater, band, etc.:

however, the student may participate in informal activities of a recreational nature sponsored by the university.

- **Self-Improvement:** A program of self-development will be planned in conjunction with a faculty or staff person assigned in a counseling/ guidance capacity.
- **Surrender of Student Activity Privileges:** Upon request, the Student Activity Fee Privilege is to be voided by the Vice President for Academic Affairs and all rights and privileges pertaining thereto forfeited for a specified period of time not to exceed one academic year.

Findings of Academic Dishonesty:

- the instructor may impose a sanction (a lower final grade in or a failure of the course or exclusion from further participation in the class including laboratories or clinical experiences), and does not refer the matter to the department chairperson for additional sanctions;
- the instructor may refer the matter to the department chairperson for additional sanctions if the offense is particularly flagrant or other aggravating circumstances are present, such as a repeat violation;
- any member of the university community may refer a case of academic dishonesty to the chairperson of the department in which the course involved is being offered.

Allegations of academic dishonesty must be referred to the department chairperson within thirty (30) days from the date of the alleged offense. This process is referred to the dean if there is no department chairperson. In those cases where the matter is referred to the department chairperson the following procedures are applicable:

- a. The department chairperson shall bring together the student involved, and the faculty member, and/or other complainant within ten (10) days from the date of referral. A written admission of guilt at this level may be resolved with a maximum penalty of "F" in the course.
- b. If the student denies guilt or disagrees with the sanction imposed, or if the faculty member, other complainant, or chairperson feels that the penalties are insufficient for the act complained of, the case shall be forwarded in writing by the chairperson to the student's academic dean within ten (10) days from the date of the meeting. The academic dean shall bring together the student, faculty member or other complainant, and the department chairperson to review the charges within ten (10) days from the date of referral. The academic dean may impose any sanction permitted by this policy.

Appeal Procedure:

- In those cases where the instructor imposes a sanction and does not refer the matter to the department chairperson for additional sanctions, the student may appeal the sanction in accordance with the procedures for a grade appeal (see listing under "Grade Appeal").
- In those cases where the matter is referred to the department chairperson for additional sanctions, should the student, faculty member, or other complainant be dissatisfied with the determination of the academic dean, the case may be appealed in writing within ten (10) days of the dean's written decision to the Chairperson of the Budget and Academic Policy Committee, who shall refer the case to the University Academic Appeals Board for resolution. (See listing under "Academic Appeals Board.")

- Should the student, faculty member, or other complainant be dissatisfied with the determination of the Academic Appeals Board, then he/she may file an appeal with the Vice President for Academic Affairs within thirty (30) days from the receipt of the written decision of the Board. The decision of the Vice President for Academic Affairs shall be final.

NOTE: This policy statement implementing Board of Trustees Series 60 (July 11, 1986) supersedes previous policies on grade appeals, academic dishonesty, and any other procedures relating to academic appeals.

Academic Dismissal

This is defined as termination of student status, including any right or privilege to receive some benefit, or recognition, or certification. A student may be academically dismissed from a limited enrollment program and remain eligible to enroll in courses in other programs at Marshall University; or a student may be academically dismissed from the institution and not remain eligible to enroll in other courses or programs at Marshall University. The terms of academic dismissal from a program for academic deficiency shall be determined, defined, and published by each of the constituent colleges and schools of Marshall University. Academic dismissal from a program or from the university may also be imposed for violation of the university policy on academic dishonesty.

Appeal of Academic Dismissal: In cases where a student has been or may be dismissed from an undergraduate academic program, or has been dismissed from the institution for academic deficiencies, the student may appeal by following this procedure:

A. The student is entitled to written notice:

- 1) of the nature of the deficiency;
- 2) of the methods, if any, by which the student may correct the deficiency; and
- 3) of the penalty which may be imposed as a consequence of the deficiency.

B. The student shall be given the opportunity to meet with the person(s) who has judged his/her performance to be deficient. The student must request such meeting in writing within ten (10) days from receipt of the notice. The student shall be given the opportunity to discuss with this person(s) the information forming the basis of the judgment or opinion of his/her performance, to present information or evidence on his/her behalf, and to be accompanied at any such meeting by an advisor of his/her choice from the university (faculty, staff, or student). Such advisor may consult with but may not speak on behalf of his/her advisee, or otherwise participate directly in the proceedings, unless given specific permission to do so by the person conducting the meeting. The student is not entitled to an attorney in such meetings, and the formal rules of evidence are not applicable.

C. If the student is dissatisfied with the outcome of the meeting outlined in (B) above, the student may file an appeal with the Chairperson of the Budget and Academic Policy Committee, who shall refer the matter to the Academic Appeals Board. In such case at least two (2) of the faculty and student members of the hearing panel must be chosen from Board members appointed from the constituent college or school involved. This appeal must be filed within ten (10) days after receipt of written notice of the decision.

D. If the student is dissatisfied with the decision of the Academic Appeals Board, the student may appeal the decision to the Vice President for Academic Affairs within

- thirty (30) days after receipt of written notice of the decision.
- E. The decision of the Vice President for Academic Affairs is final.

Academic Forgiveness

The academic forgiveness policy allows forgiveness of *D* and *F* grades for purposes of calculating the Grade Point Average (GPA) required for graduation. This policy is designed to help students who left college with low grades. It can be implemented, provided certain conditions are satisfied:

- you must not have been enrolled on a full-time or part-time basis for more than 12 credit hours at any higher education institution for a period of five consecutive calendar years prior to the request for academic forgiveness.;
- only *D* and *F* grades received prior to the five-year, non-enrollment period can be disregarded for GPA calculation;
- in order to receive a degree or certificate, you must complete at least 24 additional credit hours through actual coursework from Marshall University after the non-enrollment period, earn at least a 2.0 GPA on all work attempted after the non-enrollment period and satisfy all degree or certificate requirements.

Grades disregarded for GPA computation remain on your permanent record. This policy applies only to the calculation of the GPA required for graduation and does not apply to GPA calculation 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.

You apply for academic forgiveness by submitting to your college dean an application for "Academic Forgiveness," available in your college office. The dean can accept, modify, or reject your application and will, upon request, provide a justification. Students who do not normally qualify for readmission because of a low GPA will, if their request for forgiveness is approved, be readmitted and placed on academic probation. The decision of forgiveness must be made again whenever you change programs, departments, colleges, or institutions. (Amended and approved at December 9, 1986, APSC meeting).

If you apply for academic forgiveness, be aware that this is a Marshall University policy which is not necessarily recognized by other institutions of higher education.

Exception: The Board of Regents Bachelor of Arts Program is governed by a different forgiveness policy. (See section on Board of Regents degree).

Academic Rights and Responsibilities of Students: Policy Statement

Marshall University's policies on the academic rights and responsibilities of students are in keeping with the Board of Trustees Series 60.

This policy statement implementing Board of Trustees Series 60 (July 11, 1986) supersedes previous policies on grade appeals, academic dishonesty, and any other procedures relating to academic appeals.

I. Statement of Philosophy

Marshall University is an academic community and as such must promulgate and uphold various academic standards. Failure of a student to abide by such standards may result in the imposition of sanctions pursuant to Series 60 of the West Virginia Board of Trustees. A student, by voluntarily accepting admission to the institution or enrolling in a class or course of study offered by Marshall University, accepts the academic requirements and criteria of the institution. It is the student's responsibility to fulfill coursework and degree, or certification requirements, and to know and meet criteria for satisfactory academic progress and completion of the program.

II. Definitions

- A. *Academic Dean*: the chief academic officer who also serves in an advisory capacity to students. Student should contact their academic dean for guidance on appeal procedures.
- B. *Academic Deficiency*: failure to maintain the academic requirements and standards (other than those relating to academic dishonesty) established by Marshall University and its colleges and schools. This shall include but is not limited to the criteria for maintenance of satisfactory academic progress, i.e. quality point average, special program requirements, professional standards, etc.
- C. *Academic Dishonesty*: see separate listing under "Academic Dishonesty."
- D. *Day*: a calendar day.
- E. *Limited Enrollment Program*: any academic program which imposes admissions requirements in addition to general admissions to the university.
- F. *Student*: any undergraduate student who has been admitted to, and is currently enrolled in, a course or in a certificate or degree program at Marshall University, or for whom the institutional appeal period has not expired. Students enrolled in the undergraduate Nursing Program will follow these procedures.
- G. *University Community*: faculty, staff, and students at Marshall University.
- H. *President's Designee*: Vice President for Academic Affairs.
- I. *Vice President for Academic Affairs*: Chief Academic Officer.
- J. *Appeal Deadlines*: the time allowed for each level of appeal. There will be no time extensions unless granted by the Academic Appeals Board for good cause. If the appeals do not meet the established deadlines, the issue is no longer appealable.

III. List of Student Rights

Each student at Marshall shall have the following academic rights:

- A. The student shall be graded or have his/her performance evaluated solely upon performance in the coursework as measured against academic standards.
- B. The student shall not be evaluated prejudicially, capriciously, or arbitrarily.
- C. The student shall not be graded nor shall his/her performance be evaluated on the basis of his/her race, color, creed, sex, sexual orientation, or national origin.
- D. Each student shall have the right to have any academic penalty, as set forth herein, reviewed pursuant to the procedures under "Academic Appeals." Except in those

(continued)

cases where a specific time is provided, this review shall occur within a reasonable time after the request for such review is made.

- E. Each student shall have access to a copy of a university catalog or program brochure in which current academic program requirements are described (e.g., required courses, total credit requirements, time in residence standards, minimum grade point average, probation standards, professional standards, etc.).
- F. Each student shall receive from the instructor written descriptions of content and requirements for any course in which the/she is enrolled (e.g., attendance expectations, special requirements, laboratory requirements including time, field trips and cost, grading criteria, standards and procedures, professional standards, etc.).
- G. The instructor of each course is responsible for assigning grades to the students enrolled in the course consistent with the academic rights set out in the preceding sections.
- H. Marshall University and its constituent colleges and schools are responsible for defining and promulgating:
 - 1. the academic requirements for admission to the institution, for admission to limited enrollment programs, and for admission to professional and graduate degree programs;
 - 2. the criteria for maintenance of satisfactory academic progress, for the successful completion of the program, for the award of a degree or certification, for graduation;
 - 3. the requirements or criteria for any other academic endeavor, and the requirements for student academic honesty, consistent with the Policies, Rules, and Regulations of the Board of Trustees and with the fundamentals of due process; and
 - 4. probation, suspension, and dismissal standards and requirements.
- I. Normally, a student has the right to finish a program of study according to the requirements under which he/she was admitted to the program. Requirements, however, are subject to change at any time, provided that reasonable notice is given to any student affected by the change.

Academic Standing

Students receive official notification of academic standing in their grade report at the end of the regular semester or summer session.

Your academic standing is defined by one of three categories:

1. *Good Standing:*

You are in good standing when your cumulative Marshall or Overall GPA (includes Marshall grades and any grades earned at other institutions), is at least 2.0

2. *Academic Probation:*

You are placed on academic probation at the end of any regular semester or summer session when either your cumulative Marshall or Overall GPA (includes Marshall grades and any grades earned at other institutions) is less than 2.0. You will be notified by mail that a hold has been placed on your registration activity. You cannot register or make schedule changes by telephone or on the web. All of your registration activity must take place in person at the Office of the Registrar. After seeing

your advisor (if subject to mandatory advising), you must also get written permission from the associate dean of your college to register or make schedule changes.

Probation students are also limited in the number of credit hours they can take each semester and may be subject to financial aid and athletic participation restrictions.

3. *Academic Suspension:*

If you accumulate 20 or more quality point deficits in your cumulative Marshall or Overall GPA (includes Marshall grades and any grades earned at other institutions) at the end of any given semester, you are automatically suspended for the following semester. (With the permission and direction of your dean, you can attend summer school to improve your grades and then return in the fall if you meet the goals which your dean sets for you—see below). The college dean notifies suspended students by mail that a hold has been placed on their registration status and their registration for the following semester has been canceled (excluding summer terms). Individual colleges and schools may impose additional suspension requirements in accordance with Section H of the listing entitled "Academic Rights of Students."

Readmission Of Suspended Students

If you are suspended at the end of spring semester you can attend summer school to improve your academic standing with the permission of your dean. If you reduce your quality point deficiency to fewer than 20 or by the number which your college dean requires, you can ask for readmission and enrollment in the fall. If you are suspended at the end of fall semester you can ask your college dean for readmission and enrollment for the following summer or fall term. Suspended students who wish to return after their term of suspension, or after attending a summer term, must first meet with the associate dean of their college. Once reinstated, a suspended student remains on academic probation until all deficiencies are eliminated.

Readmission of Suspended Students Who Attend Another Institution

If you enter another college or university following suspension from Marshall without approval from your associate dean and thereafter seek readmission to Marshall, you will be classified as a transfer student and will be governed by the regulations applying to transfer students.

Appeal of Probation and Suspension

You have the right to appeal academic probation and suspension. These procedures should be followed:

- a. You are entitled to written notice: (1) of the nature of the deficiency or reason for denial of admission to a program; (2) of the methods, if any, by which you may correct the deficiency, and; (3) of the penalty which may be imposed as a consequence of the deficiency.
- b. You shall be given the opportunity to meet with the person(s) who has judged your performance to be deficient, to discuss with this person(s) the information forming the basis of the judgment or opinion of your performance; to present information or evidence on your behalf; and to be accompanied at any such meeting by an advisor of your choice from the university (faculty, staff, or student). Such advisors may consult with you, but may not speak on your behalf or otherwise participate directly in the proceedings, unless given specific

(continued)

permission to do so by the person conducting the meeting. You are not entitled to an attorney in such meetings, and the formal rules of evidence are not applicable. You must request such a meeting in writing ten (10) days from receipt of the notice.

- c. If you are dissatisfied with the outcome of the meeting outlined in (b) above, you may appeal the judgement to the Vice President for Academic Affairs within thirty (30) days after receipt of written notice of the judgment.
- d. The decision of the Vice President for Academic Affairs is final.

ACT/SAT Scores

A minimum American College Test (ACT) or Scholastic Aptitude Test (SAT) score is required for placement in sections of English 101 and in mathematics courses. Students who lack scores or whose scores do not meet the minimum can:

- take placement exams administered by the Community and Technical College (CTC) (see section entitled "Placement Exams"); or
- complete the appropriate developmental course(s) as indicated below.

ACT Verbal Minimum Score

0-13

14-17

18-27

28-33

34-36

Course

COM 094: Developmental Communication (3cr.)

COM 095: Developmental Writing (3cr.)

ENG 101: English Composition (3cr.)

ENG 201H: English Composition Honors (3-6cr.)

Automatic credit for Eng 101 and Eng 102 (6 cr.)

SAT Verbal Minimum Score

200-300

310-440

450 or higher

610 or higher

Course

COM 094: Developmental Communication (3 cr.)

COM 095: Developmental Writing (3cr.)

ENG 101: English Composition (3cr.)

ENG 201H: English Composition Honors (3-6cr.)

*ACT Math Minimum Score**

1-11

12-15

16-18

19—

Course

ASC 096: Basic Mathematics (2cr.) CTC

MAT 096: Developmental Mathematics (4cr.) +

ASC 099: Independent Study Skills (1 cr.)

MAT 097: Developmental Algebra (4cr.) +

ASC 099: Independent Study Skills (1 cr.)

Check your college section in this catalog.

*SAT Math Minimum Score**

200-280

290-380

390-459

460-

Course

ASC 096: Basic Mathematics (2cr.) CTC

MAT 096: Developmental Mathematics (4cr.) +

ASC 099: Independent Study Skills (1cr.)

MAT 097: Developmental Algebra (4cr.) +

ASC 099: Independent Study Skills (1cr.)

Check your college section in this catalog.

*Students with an ACT of 21 qualify for MTH 122, Plane Trigonometry; MTH 130, College Algebra (precalculus); MTH 132, Precalculus with Science Applications; MTH 140, Applied Calculus. Students with an ACT of 27 qualify for MTH 229, Calculus with Analytic Geometry. Students with an SAT of 500-616 qualify for MTH 130, College Algebra (precalculus); MTH 132, Precalculus with Science Applications; MTH 140, Applied Calculus; or MTH 225, Introductory Statistics. Students with an SAT of 620 or higher qualify for MTH 203, Calculus for Business; or MTH 229, Calculus with Analytic Geometry.

Additional Degrees

Baccalaureate Degree

It is possible to earn more than one baccalaureate degree by meeting these requirements:

- completing all of the major and minor requirements for the desired subsequent degree, *including the Marshall Plan*;
- completing a minimum of 30 additional hours after receipt of the previous Baccalaureate degree;
- meeting the minimum residency requirement of 24 credit hours.

Grade point averages and graduation with honors must conform to existing University policies. Two or more Baccalaureate Degrees can not be awarded simultaneously.

Associate of Applied Science Degree

It is possible to earn an Associate of Applied Science Degree with more than one major by completing all of the requirements for the desired additional major(s). A minimum of 18 hours per major is required in addition to the receipt of the previous Associate Degree major(s).

Advising

Although you are ultimately responsible for selecting a major and planning your course schedules, advising services are available to all students.

- The college office will assign students with a declared major a faculty advisor from their major department.
- Undecided students are advised in the Advising Center located in the Academic Support Center.
- Students on academic probation are also required to meet with the associate dean of their college for written approval to register or change their schedule.

Your faculty advisor is a very good person to get to know. He or she will help with advice and support with academic or career questions. Students usually see their advisors during registration periods, but all faculty advisors are available during office hours throughout the semester. You should take the initiative and arrange an appointment with your advisor at any time during the semester when you need advice or help.

Some colleges require their students to consult with an academic advisor before they can register. The college office places an advising hold on the student's registration. This hold remains until the student has met with the appropriate advisor. Consult your college dean or your major department for specific advising requirements.

Appeals Board

The Undergraduate Academic Appeals Board, created under Board of Trustees Series 60, is a permanent subcommittee of the Budget and Academic Policy Committee.

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Composition:

- a. Faculty Members: The dean of each of the constituent colleges and schools of the university shall appoint three (3) faculty members from his/her unit to serve on the Board. Such appointments shall be made annually in the fall semester.
- b. Student Members: The President of Student Government shall appoint two (2) students from each of the constituent colleges and schools of the university. All student members of the Board must be in good academic, financial, and disciplinary standing with the university and must have been enrolled for at least two (2) semesters at Marshall. If, for any reason, the President of the Student Government fails or is unable to appoint student members from any constituent college or school, then the Dean of that constituent unit may appoint such student members.
- c. Hearing Officers: The Budget and Academic Policy Committee shall appoint the Hearing Officer and two (2) alternates. The Hearing Officer and alternates must have previously served on the Board.

Selection of Members for an Individual Hearing:

An individual Hearing Panel shall be composed of two (2) faculty members, one (1) student member, and one (1) non-voting Hearing Officer. The members of the Hearing Panel shall be chosen randomly by the Chairperson of the Budget and Academic Policy Committee or his/her designee. In appeals arising from dismissal from an academic program, at least two (2) of the faculty and student members of the panel must be chosen from Board members appointed from the constituent college or school involved.

Hearing Procedures

It is the intent of these procedures to ensure that Marshall University students receive appropriate due process in academic matters. This includes fundamental fairness, just sanctions, and the assurance that academic appeal hearings at an institution of higher education such as Marshall University should have an educational objective. Academic appeals, pursuant to these procedures, are informal and not adversarial in nature.

- A. The time and place of the hearing are determined by the Hearing Officer. The hearing should be held within sixty (60) days of receiving the written request. Upon written request, the Hearing Officer may, at his/her discretion, grant a continuance to any party for good cause.
- B. The Hearing Officer will notify the appellee, appellant, and other appropriate parties in writing at least five (5) days prior to the hearing, of the date, time, and place of the hearing. A statement of the facts and evidence to be presented in support of the student's grounds for appeal will be provided to the appellee in appropriate cases.
- C. The appellant student and the appellee each have the right to an advisor. Advisors must be members of the university community (faculty, staff, or student). Such advisors may consult with, but may not speak on behalf of their advisees or otherwise participate directly in the proceedings, unless they are given specific permission to do so by the Hearing Officer. Attorneys are not permitted to appear on behalf of any appellant or appellee.
- D. Prior to the scheduled hearing, the members of the Board may convene in closed session to examine the content of the appeal, the specific issues to be considered, and all supporting documents. The student with his/her advisor if any, will be called before the Board and the Hearing Officer will then restate the nature of the appeal and the issues to be decided.

- E. The hearing shall be closed. All persons to be called as witnesses, other than the appellant, with his/her adviser, if any, and the appellee and his/her adviser, if any, will be excluded from the hearing room. Any person who remains in the room after the hearing has begun will be prohibited from appearing as a witness at the discretion of the Hearing Officer.
- F. Anyone disrupting the hearing may be excluded from the hearing room if, after due warning, he/she engages in conduct which substantially delays or disrupts the hearing, in which case the hearing shall continue and the Board shall make a determination based on the evidence presented. If excluded, the person may be readmitted on the assurance of good behavior.
- G. Any person who refuses the Board's order to leave the hearing room may be subject to appropriate disciplinary action pursuant to Marshall University policy. When a student is ejected for disruptive behavior and does not have a recognized representative, the hearing officer will appoint one.
- H. Except as provided in G and K herein, all evidence must be presented in the presence of the student.
- I. The student or other parties involved may petition the Hearing Officer for a subpoena or a request for appropriate written information or documents.
- J. The student will be given the opportunity to testify and present evidence and witnesses on his/her own behalf and to discuss with, and question, those persons against whom the appeal is filed.
- K. The Board may admit as evidence any testimony, written documents, or demonstrative evidence which it believes is relevant to a fair determination of the issues. Formal rules of evidence shall not be applicable in academic appeal hearings.
- L. If the student appellant or the appellee fails to appear at a hearing and fails to make advance explanation for such absence which is satisfactory to the Board, or if the student appellant or the appellee leaves before the conclusion of the hearing without permission of the Board, the hearing may continue and the Board may make a determination on the evidence presented at the hearing, or the Board may, at its discretion, dismiss the appeal.
- M. Upon completion of the testimony and presentation of evidence, all persons, except Board members will be required to leave the room. The Board will then meet in closed session to review the evidence presented. The Board shall make its findings based upon a preponderance of evidence. The Board shall reach its determination by a majority vote. The results shall be recorded in writing and filed with the Chairperson of the Budget and Academic Policy Committee and the Vice President for Academic Affairs. A report of a dissenting opinion or opinions may be submitted to the Chairperson of the Budget and Academic Policy Committee and the Vice President for Academic Affairs by any Hearing Officer.
- N. The findings of the Board shall be announced at the conclusion of the hearing. The student, faculty member, and the appropriate Academic Dean shall be notified in writing of the findings at the conclusion of the hearing. A record of the hearing shall be prepared in the form of summary minutes and relevant attachments and will be provided to the student upon request.
- O. The student, or any other person, may not tape the proceedings.

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- P. In an appeal related to a final grade the appeals board will complete the change of grade forms and submit that information to the Registrar, the faculty member, and the appropriate Academic Dean.
- Q. Within thirty (30) days following receipt of the Board's decision, the student may file an appeal with the Vice President for Academic Affairs who shall review the facts of the case and take such action as deemed appropriate under all the circumstances. The Board's findings may be affirmed, modified, or remanded to the original Hearing Board for further action as deemed appropriate by the Vice President for Academic Affairs. A written brief stating grounds for the appeal should be presented by the student to the Vice President of Academic Affairs with the appeal. The scope of review shall be limited to the following:
1. Procedural errors.
 2. Evidence not available at the time of the hearing.
 3. Insufficient evidence to support the findings of the Board.
 4. Misinterpretation of University policies and regulations by the Board.
 5. A sanction disproportionate to the offense.
 6. Lack of jurisdiction.
- R. The decision of the Vice President for Academic Affairs is final. The student, the faculty member, the appropriate Academic Dean, and the Registrar shall be notified in writing of the Vice President for Academic Affairs' decision.

Area of Emphasis

See listing in the section entitled "Undergraduate Four-Year Degrees," page 16.

Auditing Courses

You can audit a course when there is space available in the class and the instructor authorizes your audit status. Audit students receive no academic credit. Enrollment for audit is limited to the regular registration period for the semester or term. You must enroll for the course as an Audit, and must pay fees in the same way and at the same tuition rate as students enrolling for credit. Faculty members who wish to audit courses must secure approval of the instructor of the course and must enroll in the regular way. The instructor of the course will determine attendance and any other special requirements for audit students. It is the instructor's responsibility to discuss the requirements of the course with the auditor. The instructor can notify the student's college dean and the Registrar's Office to withdraw the auditor from the class if attendance or other requirements are not met. **You cannot change a registration from credit to audit or audit to credit after the close of the Schedule Adjustment period at the beginning of a semester or summer term.**

Bulletins of the University

The university issues eight bulletins annually or biennially: the Undergraduate Catalog, the Graduate College Catalog, the School of Medicine Bulletin, the Admission Bulletin for Prospective Students, Community and Technical College Catalog and the

Schedule of Courses for Fall, Spring and Summer. Other special publications are issued from time to time.

Catalog of Record

The catalog of record is the academic catalog that is in effect at the time you declare a major. It identifies the graduation requirements that you must meet to earn the degree.

Once you declare a major, your catalog of record remains the same. You have 10 years in which to complete the degree. If within that 10 year period you change majors or transfer colleges at Marshall, the catalog at the time of the change takes effect. You then have 10 years in which to complete the degree under the new catalog. If you exceed the 10 year period, the catalog of record is the one in effect at the date of graduation. You must meet the graduation requirements in this catalog. Students can substitute courses no longer offered with the permission of their college dean.

Education majors: see the Residency Requirements in the College of Education and Human Services section of this catalog.

Classification of Students

Classification of students is based on the number of college level credit hours earned as shown below:

CLASSIFICATION	SEMESTER HRS.
Freshman	0-25
Sophomore	26-57
Junior	58-89
Senior	90 or more

Continuing Education

Marshall University, through the Office of Continuing Education in the Community and Technical College, offers a non-collegiate credit "Continuing Education Unit" program designed to recognize individuals who continue their education through certain types of short courses, seminars, conferences, and workshops. The program is designed for industry, business, educational, civic, professional, and other groups. One Continuing Education Unit is defined as ten contact hours of participation in an organized continuing educational experience under responsible sponsorship, capable direction and qualified instruction. Continuing Education Units may be awarded as whole units or as whole units plus tenths of units. Awards may be made for less than ten contact-hours of work.

Continuing Education Units are awarded only for non-credit work; they cannot be converted to college credits, nor can college credits be converted to CEU's. The university maintains a separate permanent record of all CEU's earned. For further information, please contact the Director of Continuing Education, Marshall University Community and Technical College, (696-3113).

Course Numbers

<i>COURSE NUMBER</i>	<i>LEVEL</i>
000-099	developmental (or pre-college) courses
100-199	freshman level
200-299	sophomore level
300-499	junior and senior level.
500 and above	graduate level.

Credit by Examination

Course credit by examination is granted at Marshall in some academic departments. Students interested in earning credit this way should contact the chairperson of the department which offers the course. With the department chair's permission, you should obtain a "Credit by Examination" form from the Registrar. This form must be signed for approval by the department chair, the dean of your college, and the Registrar. If you are not a full-time student, you must also pay a \$35 examination fee. The grade you receive on the special exam will be applied to your transcript.

Credit Hour (same as Semester Hour)

Generally a student earns one credit for each 15 hours of class contact. Classes normally meet 45 hours in a semester for 3 units of credit. You should plan on two hours of preparation/study for each in-class hour. Laboratory classes require two or three hours of lab per week for each semester hour of credit.

D/F Repeat Rule (Repeating Courses)

As a Marshall undergraduate, you have one opportunity to repeat at any time any course in which you earned a grade of *D* or *F* during your first 60 attempted hours. The second grade will replace the first in determining your GPA, hours attempted, and hours credited. The second grade is the grade that counts (excluding a *W*), even if it is a lower grade than the original one. The original grade remains on your transcript, but it is noted as a repeated course. **Whenever you plan to repeat a course under the D/F Repeat Rule, you must fill out a form in your college office early in the semester in which you are repeating the course.**

The *D/F* Repeat Rule applies only to graduation requirements and not to requirements for professional certification which may be within the province of licensure boards, external agencies, or the West Virginia Board of Education.

Nothing in this policy shall interfere with provisions of Board of Trustees Policy Bulletin No. 20.

*Adopted: February 8, 1972; Revised: December 14, 1985;
West Virginia Board of Regents Policy Bulletin No. 20
Board of Trustees policy effective July 1, 1989.*

Dead Week

The last five class days of the fall and spring semesters are designated as "dead week." During this period, instructors cannot give exams that count as 15% or more of the final course grade. They can assign major papers and/or projects which count as 15% or more of the final course grade ONLY if the assignment is stated in the course syllabus. Instructors can introduce new material and give make-up exams during the Dead Week. Exemptions from this policy include night classes, laboratories, freshman English composition courses, and any classes meeting once a week. Dead Week is not applicable to Intersession or Summer Session.

Dean's List

Students registering for 12 or more hours of courses for which they are receiving letter grades, and who at the end of a semester have a grade average of *B* or above are considered honors students. The names of these students make up the "Dean's List" in their undergraduate college.

Degree Programs Offered

A complete list of degree programs offered is contained in the section of this catalog entitled "Undergraduate Four-Year Degrees" beginning on page 16.

An *area of emphasis* is a specific subject area of study which has limited course offerings within an approved degree program and major. Normally, a minimum of twelve (12) credit hours would be expected for an area of emphasis at the undergraduate level.

A *program* is a unified series of courses or learning experiences that lead to a degree.

Denial of Admission to a Program Due to Deficiencies

In cases where an undergraduate student has been denied admission to a program, the student has the right to appeal following the same appeal procedures as listed under "Appeal of Probation and Suspension" under "Academic Standing."

Developmental Courses

These are courses beginning with the number zero which prepare students for college-level work. Developmental courses are taught in the Marshall University Community and Technical College. Credits earned for these courses cannot be used to satisfy graduation requirements, although they are counted as earned hours and are used to determine a student's classification. Credit/no credit (CR/NC) grades are given in all developmental courses.

Double Major

You can major in more than one discipline by completing the requirements for both majors. If your two majors are in different colleges, then you must secure permission from

both college deans in order to pursue both majors. For administrative purposes, you can only be housed in one college; this is your college of record which maintains your records. You would only complete the college requirements of your college of record.

Dropping All Courses (Withdrawal from the University):

Final Date: Last Day of Class

The last date for complete withdrawal from the university is the last day of class. Withdrawal from the university is defined as dropping all classes for which a student is registered. You must submit a withdrawal form to the Registrar or mail a request for withdrawal to the Registrar. The effective date of withdrawal is the date that the withdrawal form is submitted to the Registrar. The postmark on mail requests is the official date of withdrawal.

Grades Assigned for Withdrawal from the University

Students withdrawing from the university receive a grade of *W* for all courses. The *W* grade (withdrew) has no impact on your grade point average.

Students who withdraw from the university improperly, or who do not follow the regulations described here, receive grades of *F* at the end of the semester or term.

Dropping Individual Courses

Final Date: Tenth Friday in a Regular Term

- **Day classes:** Students can drop individual courses after the Schedule Adjustment period and during the Withdrawal period which lasts until the Friday of the tenth week of class during a regular semester. The exact last day for dropping individual courses is always published in the Schedule of Courses and the Academic Calendar for any given semester or term. You must get a "Schedule Adjustment and Class Drop Form" from the Registrar, fill in the required course drop information, and then obtain the signature of the course instructor. If you are on academic probation, you must also get the approval and signature of the associate dean of your college. Bring the completed form to the Registrar's Office.
- **E-Courses:** The Withdrawal period for e-courses parallels that for regular courses. You can withdraw from an individual e-course through 2/3 of the official course length. After that time, only a complete withdrawal from the university is allowed. The refund policy for e-courses also parallels that of regular courses.
- **Night or off-campus classes:** You can drop a night class, an off-campus class, or an e-course by mailing a request to drop to the Registrar. The postmark on the request will be the official date of withdrawal. The instructor's signature is not required. If you are on academic probation, you must have the approval signature of your associate dean.
- **High-demand course:** If you drop a "high-demand" course during the Withdrawal period, you will not be able to pre-register for the course for the following semester. High-demand courses include:
 - ACC 215
 - BSC 227

(continued)

- CSD 119, CSD 120
- ENG 101, ENG 102
- MTH 130
- SPN 101, SPN 102

You can obtain an up-to-date listing of high demand courses from the Office of the Registrar.

Grades Assigned for Dropping Individual Courses

A student dropping courses or withdrawing from the university during the Withdrawal period (which lasts until the tenth Friday after the first class day of the regular semester), will receive a grade of *W*. For eight-week courses, summer sessions and other courses of varying lengths, the "W" period ends the Friday immediately following the two-thirds point in the course. Exact "W" dates are published in the Schedule of Courses and in the annual University Academic Calendar. The *W* grade (withdrew) has no impact on a student's grade point average.

Students who drop courses improperly or who do not follow the regulations described here, receive a grade of *F* at the end of the semester or term.

Exceptions:

Military Service

Men and women called to active duty in the armed services of the United States are granted full refund of fees, but no credit, if the call comes before the end of the first three-fourths of the semester or term, and full credit, but no refund of fees, is granted if the call comes thereafter. However, credit is granted only in those courses in which the student is maintaining a passing grade at the time of departure to military service. The term "called to active duty" is defined as being called to active duty as the result of the federal activation of a total reserve component, National Guard unit, or any portion which involves a particular student or an individual who is a bona fide member of the reserve component or a National Guard unit. The final grades, both passing and failing, for three-fourths of a semester or more are shown on the student's permanent record.

Medical Reasons

See Medical Withdrawal Policy.

Electronic Courses

E-courses are online versions of classes offered on the Marshall campus. They are courses you take totally through the Internet. These are identified in the Official Schedule of Courses by the letter *E* after the course number. E-courses may differ from regular semester courses in the start and end dates. Be sure to check the syllabus for each individual class for a beginning and ending date. You can register for E-courses using MILO Web and telephone registration systems during the designated registration periods each term. You can also register in person at the Registrar's Office or by mail. After the close of the registration period, you can register for E-courses by MILO telephone, in person at the Registrar's Office, or by mail. Hours of enrollment are reflected in the actual term in which you are registered.

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For all verification purposes, hours of enrollment are counted only in the term in which you are registered. You can visit <http://muonline.marshall.edu> for a list of available E-courses.

Note that the *W* period for E-courses parallels that of regular courses. You can withdraw from an individual E-course through 2/3 of the official course length. After that time only a complete withdrawal from the university is allowed. The refund policy for E-courses also parallels that of regular courses.

If you want to take an E-course, you must have basic computer skills plus a computer running at least WIN 95, a modem, an e-mail account, an Internet service provider, and Netscape 3.0 or Internet Explorer 4.0. E-course instructors may include additional requirements in the syllabus. E-courses are assessed a fee of \$98.00 per credit hour (subject to change) regardless of residency or number of credit hours you may be carrying in addition to the E-course.

English Composition Requirement

English Qualifying Examination (EQE)

The university requires for graduation a grade of *C* or better in English 102 or 201H or 302. Students who do not meet this requirement must pass a qualifying examination in English composition. (Students of Junior or Senior status who have not passed ENG 102 or ENG 201H with at least a *C* must take ENG 302 and earn at least a *C* or pass the EQE). The Department of English gives the EQE six times each year: twice during each regular semester and once each summer term. There is no charge. The exact times are available in the English Department office: CH 346 or call (696-6600).

When to Take the EQE

- Four-year program students should take the EQE as soon as possible after they have reached junior status (58 hours credit, including ENG 101 and ENG 102 or ENG 201H).
- Two-year program students (Associate degree), can take the examination in their second year, after they have passed six hours of freshman English/Communications (excluding Communications 094 or Communications 095).

The date of the student's passing is entered on the student's permanent record. If you do not pass the examination you must attend the non-credit English Composition Clinic in the next half-semester before you retake it. Students can retake the exam as many times as necessary.

Exceptions:

These students are excused from taking the EQE and a notation of being excused is placed on their permanent record):

- Associate Degree program students who receive an *A*, *B*, or *C* in COM 112: Communications II, COM 122: Business Communications II, or COM: 132 Technical Communications II.
- Students who have passed both portions of the CLEP Freshmen English Exam between September 1, 1976 and June 1, 1991.
- International students from countries whose national language is not English.

Field Experience

Same as Practicum (which see), within the Department of Sociology/Anthropology.

Final Exams

Absence from Final Exams

You are required to take all regular examinations. If you attend a course throughout the semester and you are absent from the final examination without permission, your instructor counts the examination as zero and reports the final grade of *F*. If the absence is the result of illness or some other valid reason beyond your control, the instructor reports a grade of *I*. In all cases, you must verify the reason for the absence. (See "Incomplete" under Grades and Quality Points).

Rescheduling of Final Exams

If you have final exam conflicts or you have three or more final exams scheduled for the same day, follow these steps:

- pick up a "Final Examination Rescheduling Form" from your major department or your college office;
- fill in the top part of the form in which you must show your complete final exam schedule;
- take this to your dean for verification;
- take the verified form to one of your class instructors and attempt to make a rescheduling agreement (date, time, place);
- if you reach an agreement, the instructor should sign the form, keep a copy, and send a copy to the dean of your college;
- if you cannot reach an agreement, the instructor should note this fact and sign the form (in this case, try to reach an agreement with the instructor of another class in conflict);
- if no instructors agree to reschedule and you have all comments and signatures on the form, take the form to the Vice President for Academic Affairs (OM 110);
- the Vice President or designee will determine if an exam should be rescheduled and if so, the time, date, and place—you and the instructor will receive written notice of any rescheduling;
- the Vice President's ruling can only be modified by an agreement between the instructor and yourself;
- if you reject a ruling by the Vice President, you thereby agree to take each exam at the scheduled time.

Note: the Vice President will not consider any form submitted less than one week before the first day of finals, or any form that is incomplete. An instructor is not required to reschedule a final exam at your request.

Full-Time Student

A full-time student must carry at least 12 semester hours of undergraduate courses or a combination of 12 semester hours of undergraduate and graduate courses in a regular semester; during a five week summer term, a full-time student must carry at least 4 semester hours.

Grade Appeal

This appeal procedure provides a clearly defined way to appeal a course grade which a student believes was arbitrary, or was based on prejudice, discrimination or some other reason not related to the student's academic performance. The intent of the appeals process is to treat all parties fairly, and to make all parties aware of the appeals procedure. The grade appealed remains in effect until the appeal procedure is completed or the problem is resolved.

1. The student should first attempt a resolution with the course instructor. This initial step must be taken within thirty (30) days of the beginning of the next regular term. The student who makes an appeal is responsible for submitting all applicable documentation.
2. If the instructor is unavailable for any reason, the process starts with the department chairperson. If the procedure in Step 1 does not have a mutually satisfactory result, the student may appeal in writing to the department chairperson within ten (10) days after the action taken in Step 1, who will attempt to resolve the issue at the departmental level. When a student appeals a final grade, the faculty member must provide *all criteria used for determining grades*.
3. *Should the issue not be resolved at the departmental level, either the student or instructor may appeal in writing to the dean of the college in which the course is offered within ten (10) days of the action taken in Step 2. The dean will attempt to achieve a mutually satisfactory resolution. The dean of the college in which the student is enrolled will be notified.*
4. Should the issue not be resolved by the dean, either the student or instructor may appeal in writing within ten (10) days of the action taken in Step 3 to the Chairperson of the Budget and Academic Policy Committee who shall refer the matter to the University Academic Appeals Board (see listing under "Academic Appeals Board"), for resolution. The hearing panel has the right to seek additional documentation if necessary.
5. Should the student or the instructor be dissatisfied with the determination of the Academic Appeals Board then either party may file an appeal with the Vice President for Academic Affairs within thirty (30) days from receipt of the decision of the Board. The decision of the Vice President shall be final.

GRADE INFORMATION AND REGULATIONS

Grades And Quality Points

Marshall uses a 4.00 scale to express grade point averages. The Grade Point Average (GPA) is a numeric value calculated by dividing total quality points by total credit hours for courses in which you earned a letter grade.

<i>Grade</i>	<i>Quality Points Per Semester Hour</i>
A (superior)	4
B (above average)	3
C (average)	2
D (below average)	1
F (failure)	0
I (incomplete)	0
CR (credit)	0
NC (no credit)	0
W (withdrawn)	0
AU (audit)	0

The GPA computed for graduation purposes is based on all of your work except:

- courses with grades of *W*, *I*, *CR/NC*, and *AU*
- courses repeated under the D/F Repeat Policy

How to Calculate a GPA

Consider the courses and grades made by a student during her first two semesters at Marshall.

First Semester:

<i>Course</i>	<i>Grade</i>	<i>Quality Pts.</i>		<i>Credit Hrs</i>		<i>Total Quality Pts.</i>
ENG 101	<i>B</i>	3	x	3	=	9
SOC 200	<i>A</i>	4	x	3	=	12
MTH 121	<i>D</i>	1	x	3	=	3
PE 115	<i>B</i>	3	x	1	=	3
UNI 101	<i>CR</i>	0	x	(1)	=	0
BSC 104	<i>C</i>	2	x	<u>4</u>	=	<u>8</u>
TOTAL				14		35

Multiply the number of Quality Points for each grade by the number of Credit Hours for that class. Divide the total number of Quality Points for the semester (35) by the total number of Credit Hours (14). This yields a GPA of 2.50 for the semester.

(continued)

Second Semester:

Course	Grade	Quality Pts.		Credit Hrs		Total Quality Pts.
BSC 105	D	1	x	4	=	4
ENG 102	C	2	x	3	=	6
HST 101	F	0	x	3	=	0
CMM 103	D	1	x	3	=	3
PHL 201	C	2	x	3	=	6
TOTAL				16		19

Multiply the number of Quality Points for each grade by the number of Credit Hours for that class. Divide the total number of Quality Points for the semester (19) by the total number of Credit Hours (16). This yields a GPA of 1.18 for the semester.

To determine this student's cumulative GPA (the GPA for both semesters), add the total Quality Points for both semesters (54) and divide by the total Credit Hours for both semesters (30), resulting in a 1.8 GPA.

Note that this cumulative GPA is under 2.00. Since it is less than 2.00, this student has a quality point deficiency. Her college will place her on academic probation and she will remain there until future grades eliminate the deficiency—grades of *A* and *B* will do this; grades of *C* have no effect and grades of *D* or *F* will make the deficiency worse.

Marshall and Overall GPA

A *Marshall grade point average* is a calculation based on credit earned at Marshall ONLY.

An *Overall grade point average* is a calculation based on credit earned both at Marshall AND all other accredited institutions of higher education. Both GPA's are calculated for eligibility and graduation purposes.

Types of Grades

• *Credit/No Credit*: You can take a maximum of 18 semester hours of credit on a credit/no credit basis toward fulfillment of requirements of a baccalaureate degree. Credit completed through the College Level Examination Program (CLEP), as well as approved foreign study, does not count as a part of the 18-hour limit under the *CR/NC* option. You make the decision to take a course on a credit/no credit basis at the time of registration and cannot change this after the end of the Schedule Adjustment period. Courses taken *CR/NC* must be in areas other than your major or teaching specialization, although approved foreign study courses can be taken *CR/NC*. (See "Study Abroad" section elsewhere in this catalog.) Some departments and colleges have additional regulations regarding *CR/NC*.

You must earn a letter grade of *C* or better to receive a *CR* grade. A grade of *NC* is recorded for work that would earn a letter grade of *D* or *F*. A course in which you earn an *NC* grade can be repeated under the *CR/NC* option or for a letter grade. All withdrawals under the *CR/NC* option will receive a *W* grade. The *CR/NC* grade has no impact on your Grade Point Average.

• *Incomplete*: The grade of *I* (incomplete) indicates that you have not completed the course for some unavoidable reason that is acceptable to the instructor. The course instructor will specify in writing what work you must complete to fulfill the course requirements. You have up to one calendar year from the date you receive the incomplete grade in which to complete the course unless the instructor establishes an earlier

deadline. If you satisfactorily complete the course in the prescribed time you will receive one of four passing grades. If your work is unsatisfactory or you fail to complete the course requirements during the stipulated time, the grade of *I* changes to a grade of *F*. You can also remove an incomplete grade by repeating the course within the twelve-month period.

W (Withdraw): If you drop courses during the Withdrawal period (which lasts until the tenth Friday after the first week of the regular semester), or if you withdraw completely from the university through the last day of class, you will receive a *W*. For eight-week courses, summer session courses, and other courses of varying lengths, the *W* period ends the Friday immediately following the two-thirds point in the course. Exact *W* dates are published in the *Schedule of Courses* and in the annual University Academic Calendar. The *W* (withdrew) has no impact on your Grade Point Average. (Please be aware that withdrawing from a course may change your status from that of full-time to part-time student—a full-time student is enrolled for 12 hours or more. Part-time status could negatively affect financial aid, athletic participation, or health insurance eligibility.)

Final Grades

As soon as possible following each semester or term of enrollment, the Registrar mails grades for the completed semester or summer term and the cumulative quality point average to each student. You can also check your grades, usually within 24 hours of the deadline for submission of final grades each term, by calling the university's voice response system, MILO, (696-MILO) or on the Web at <http://www.marshall.edu/milo>.

Midterm Grade Reports for Freshmen

Shortly before the middle of the Fall and Spring semester, (around the eighth week), all faculty evaluate the freshmen students in their classes. Freshman students who are earning the equivalent of a grade of *D* or *F* at this time will receive a grade report mailed to their permanent address and a letter explaining how they can improve their academic performance. A midterm grade is not a promise of a particular final grade nor is it recorded on the student's official transcript. It is intended only as an early warning.

Graduation Information

1. Academic Requirements

Your college will make the final check of courses required for the final term, total earned credits, degree, and GPA requirements, as well as other university-wide requirements. To receive a baccalaureate degree from Marshall University, you must:

- Have a minimum of 128 credit hours (138 in the College of Fine Arts);
- Have an overall Grade Point Average of 2.00 or higher;
- Have a Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in your major area of study;
- Have earned a grade of *C* or better in English 102 or 201H or 302 (see section entitled "English Composition Requirement");
- Have met the requirements of the Marshall Plan (see section entitled "Marshall Plan");

(continued)

- Have met the residence requirements of Marshall University, including 15 hours in the major field and 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements");
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. You are responsible for keeping informed about and meeting the requirements for graduation.

2. Application for a Degree

You must apply for graduation at the beginning of the semester or term in which you intend to complete graduation requirements. You should initiate the application for graduation in your college office. Complete information about graduation applications is available in each college office. The university also requires every prospective graduate to pay a graduation fee at the Bursar's office. A receipt for this fee must accompany the completed application for graduation. The deadline for applying for graduation for every semester or term in the academic year is listed in the current *Schedule of Courses*.

3. Commencement/Graduation Dates

Marshall University observes one Commencement Exercise and four graduation dates during an academic year. The official graduation dates are:

- last day of Summer Session C;
- last day of Summer Session D;
- last day of final examinations for the fall semester;
- day of Commencement for the spring semester.

Students who complete all requirements for a degree at any time other than the above dates will be graduated on the next successive date. Students will not be graduated on any dates other than those noted above. Students who are graduated at the end of either summer term or at the end of the fall term of an academic year are invited to join the spring graduates in the Commencement Exercises.

4. Honors Graduation

A. Baccalaureate Degree

Baccalaureate degree candidates who have achieved special distinction in academic work are recognized at Commencement. Their honor status is printed on their diploma. Honor status is determined by this scale for the final cumulative grade point average:

- Summa cum laude (3.85 and above)
- Magna cum laude (3.60 to 3.84)
- Cum laude (3.30 to 3.59)

Note: Honor calculations are not rounded.

For May graduates, honors recognition at Commencement is based on academic standing prior to the Spring term. The diploma will reflect honors standing after calculation of Spring term grades.

Honors eligibility for transfer students (baccalaureate degree):

- Transfer from in-state public institutions (Honors are calculated on the overall GPA)
 - *From a two-year college in WV state system:* must have earned at least 56 hours of work at Marshall University.
 - *From a four year institution in WV state system:* must have earned a minimum of 36 hours of work at Marshall University.
- Transfers from non-West Virginia public institutions (Honors are calculated on the overall and Marshall GPA)
 - *All other transfer students:* must have earned at least 64 hours of work at Marshall, at least 50 percent of which must be upper division work (300/400).

B. Associate Degree:

Associate degree candidates for graduation who have achieved special distinction in academic work are recognized at Commencement. Their honor status is printed on their diploma. Honor status is determined by this scale for the final cumulative grade point average:

- With High Honors - 3.70 and above
 - With Honors - 3.30 to 3.69
- Note:* Honor calculations are not rounded.

Honors eligibility for transfer students (associate degree):

A transfer student must have earned at least 36 hours of work at Marshall, 32 of which must be applicable to an associate degree program and must have attained honors for all work attempted at Marshall and honors for all academic work attempted at the collegiate level regardless of the institution attended.

5. Residence Requirements (see also "Residence," page 111)

For all undergraduate degrees (see exceptions below), at least one year's work in residence is required. A "year in residence" is comprised of at least 24 hours credit earned in at least two semesters' work in residence or one semester and two summer terms in residence. One semester must be in the senior year. **Transfer students** must take at least 12 hours of 300/400 level coursework in their college and at least 15 hours in their major field except for Combined College and Professional Programs.

Exceptions:

- College of Education and Human Services students must meet the college residency and teacher certification requirements.
- Community and Technical College Associate Degree and Certificate program students must earn at least 12 hours credit in residence. These 12 hours must be for regular coursework (excluding Non-Collegiate Learning), must be taken for letter grades (excluding CR/NC), and must be applicable to the degree program.

(continued)

For MCTC students, "in residence" means on-campus or at one of the formal off-campus instruction sites.

- Regents Bachelor of Arts Degree.

All students should check with their own colleges for any additional residence requirements.

Independent Study

Independent studies are tutorials, independent readings, research, problem reports, and other individualized activities designed to meet the special needs of students within their major. Independent studies are offered only at the discretion of the department chair and college dean.

Inter-College Transfer

If you wish to transfer colleges you must initiate the request in the office of your current college. The dean of the college to which you request a transfer must grant permission for the transfer. Students with 20 or more quality point deficiencies must remain in their current college until they reduce their deficiencies to fewer than 20.

Exception: individuals who are returning to the university from one or more years of active military duty can enter the college of their choice.

Internship

An internship is a supervised, off-campus work/study arrangement with external agencies or institutions. Usually a student, with faculty approval, registers for an Internship course for which he or she will receive credit. Often the students are paid, but not always. They generally serve as trainees under the supervision of an individual at the off-campus site. A Marshall faculty member usually serves as a coordinator and resource person. Students may expect regular site visits from a faculty member as well as on-campus training seminars, although internship experiences will vary across departments.

Laboratory Courses

Lab courses supplement classroom courses. They are organized activities involving the observation and verification of experiments and experimental techniques. Laboratory courses require two or three hours of lab per week for each semester hour of credit.

Major

A major is an area of concentration requiring at least 24 semester credits for completion. It is offered within one department or by a combination of departments. It is a field of study within an approved degree program, having its own curriculum. A degree program may have more than one major. All courses in the major must be taken for a grade except internships, practica, and approved foreign study courses.

Marshall Plan

The *Marshall Plan for Quality Undergraduate Education* is designed to ensure that every student who receives a baccalaureate degree will be well prepared for the 21st century. Every student at Marshall must complete the requirements of the Marshall Plan. Some Marshall Plan requirements can also count towards major, minor, or college general education requirements. The Marshall Plan includes:

- An integrated/applied mathematics course which requires a score of at least 19 on the ACT (460 on the SAT math section), and which can be fulfilled by completing MTH 121 or a higher level mathematics course.
- A team-taught integrated science course that involves two or more scientific disciplines. This course is designated ISC in the schedule of courses. Students must first complete MTH 121 or a higher level mathematics course. All students in the College of Science, nursing students in the College of Nursing and Health Professions, and students in the Dietetics Program are exempted from the ISC requirement.
- A three hour course in multicultural studies, designated Multicultural in the Schedule of Courses.
- A three hour writing intensive course, (beyond the six hour requirement in English composition), designated Writing Intensive in the Schedule of Courses.
- Six hours of international studies courses, designated International in the Schedule of Courses.
- Completion of a computer literacy/competency requirement defined by the major department.
- A capstone experience to be completed by the end of the senior year. Each major department designs its own capstone experience to help students synthesize and demonstrate competent learning in their fields. The capstone experience includes both oral and written presentations.

Medical Withdrawal Policy

Voluntary Medical Withdrawal

In cases when students withdraw from the university for medical reasons, their request for withdrawal must be supported by certification from the attending physician. In order to be readmitted after this withdrawal, the student must provide a letter and supporting documentation from the attending physician that indicates that the student is able to return. Confidentiality will be maintained at all times except on a need-to-know basis. Requests for medical withdrawals from the university or from an individual class will be handled on a case by case basis through the Associate Dean of Student Affairs, Prichard Hall 155. Students who are granted a medical withdrawal will receive a *W*.

Mandatory Medical Withdrawal

A student will be subject to a mandatory medical withdrawal if the Dean of Student Affairs and/or designee determines that the student is endangering himself or herself or other members of the university community by continuation as a student at Marshall. Through an approved designee, the Dean of Student Affairs reserves the right to request a complete mental or physical evaluation if it is reasonably believed that the student's behavior or health habits warrant it. The student will be referred to the appropriate health

professional and a written document of evaluation and recommendations will be forwarded to the university designee. The university will then determine the student's status. If evaluation supports or indicates a recommendation for a medical withdrawal from the university, the appropriate Student Affairs office will facilitate the withdrawal. Students will be accorded an informal hearing before the Dean of Student Affairs or a designee to obtain an understanding of the evaluation and rationale for the required withdrawal. If the student declines the opportunity for an evaluation, the Registrar will withdraw the student for medical reasons.

Withdrawal for medical reasons will be done without academic penalty to the student. Fees will be refunded in accordance with university policy.

A decision to withdraw may be appealed to the Student Conduct and Welfare Committee or a special subcommittee thereof appointed by the chairperson.

*Adopted by Student Conduct and Welfare Committee, December 7, 1984;
approved by the President, January 22, 1985.*

MILO

MILO (Marshall Information Liaison Online) provides you with a means of registering for classes and checking your schedule and grades by telephone or on the World Wide Web. To use MILO you must know your student identification number and your Personal Identification Number (PIN). If you are on academic probation or have any other kind of registration hold, you cannot register via MILO. MILO is usually available from 6 a.m. to 9 p.m. Monday through Friday, and 1 p.m. to 9 p.m. on Sunday. For instructions on how to use MILO, see the current *Schedule of Courses*.

MILO Telephone Registration: 1-800-696-MILO or (304) 696-MILO

Off campus courses are included in the list of available sections. Please carefully check the course location when you select an open section.

MILO World Wide Web Registration: <http://www.marshall.edu/milo>

Minor

A minor is a program of study outside the major department requiring at least 12 semester credit hours for completion. All courses in the minor must be taken for a grade except for approved study abroad courses. With the exception of college-approved interdisciplinary minors, each academic department/division designates the specific courses or range of courses required for each minor it offers. Please consult the department description in the catalog for available minors.

Placement Examinations

If your ACT or SAT test score does not meet the required minimum for placement in English 101 and mathematics courses (see "ACT/SAT Scores" and "Developmental Courses" sections of this catalog), you can:

- take placement exams administered by the Community and Technical College (call 696-3017 for information); or
- complete the appropriate developmental course(s).

Note that you can take each placement exam only one time while at Marshall; if you have earned an *NC*, *F*, *W*, *WP*, or *WF* in a developmental course you cannot take a placement exam for the dropped or failed course; you can attempt only one exam per time period; you cannot take a placement exam to test out of a course in which you are currently enrolled.

Practicum

This is a closely supervised experience in a student's professional area. It may be on or off campus, or at a combination of the two. Ordinarily, there is extensive collaboration with a faculty supervisor. With faculty approval, a student registers for a practicum for which he or she will receive credit. Practicum experiences vary across departments.

Readmission to the University

If you have not been enrolled in any classes at Marshall for at least two years you must apply for readmission.

- If you have not attended any other institution during your period of absence, you must apply for readmission at the Registrar's office;
- If you once attended Marshall and subsequently left to attend another institution, you must apply to Marshall as a transfer student at the Admissions Office. Transfer students must be in good academic standing at their previous institutions to be eligible for readmission at Marshall.

Repeating Courses

Credits for a repeated course may not be used to fulfill the credit hour requirements for graduation. Exceptions: courses repeated under the *D/F* Repeat Rule, approved Special Topics courses, internships, practica, and other approved courses in departments such as Music. Check with your college dean for a list of all exemptions.

Residence

"In residence" means to be enrolled in Marshall University courses.

Schedule Adjustment

You can change your class schedule during the late registration and schedule adjustment period each term. This is usually the first week of classes. The exact schedule adjustment period for any semester or term is published in the *Schedule of Courses* for that semester or term. Schedule changes can be made over the telephone using MILO, on the World Wide Web, (<http://www.marshall.edu/milo/>), or in person at the Registrar's Office. If you want to change sections of a course during the schedule adjustment period, you must drop the section in which you are currently enrolled and add the new section.

(continued)

(See section entitled "Dropping Courses" for information on dropping a class after the Schedule Adjustment period).

When the Schedule Adjustment period is over, you cannot make any changes in your course schedule except with the permission of your dean.

Semester Hour

See section entitled "Credit Hour."

Semester Load

To make normal progress toward graduation, students should complete approximately 32 to 34 semester hours during a calendar year, which includes Fall, Spring and Summer terms.

If you want to take 19 or more credit hours during Fall or Spring term, or 7 or more hours during a Summer term, you must obtain permission of the dean of your college.

Seminar

A seminar is a small class, usually offered at the junior/senior level, which may be involved in advanced study or original research.

Special Topics

Special Topics are experimental courses that can be offered twice by a department without formal committee approval. No more than 6 credits of special topics can be applied toward an associate degree; no more than 12 can be applied toward a baccalaureate degree.

Summer School

Marshall offers four summer sessions:

- Session A: Intersession/4 weeks
- Session B: Evening Term/3 weeks
- Session C: First Summer/5 weeks
- Session D: Second Summer/5 weeks

Admission requirements for Summer School are the same as for the regular semester. Summer offerings, which include undergraduate and graduate courses, vary from year to year. Registration begins in early April.

Syllabus Policy

During the first two weeks of semester classes (3 days of summer term), instructors must provide each student a copy of the course requirements which includes these items:

- a description of the general course content.
- approximate dates for major projects and exams
- grading policy
- attendance policy

Exceptions to this policy might include thesis, seminar, problem report, independent study, field work, internships, and medical clerkships.

*Adopted by University Council, March 12, 1980;
amended by Academic Planning and Standards Committee,
April 10, 1980; approved by the President, May 5, 1980.*

Transcripts of Academic Record

Every student is entitled to one free official transcript of his or her record. Each additional copy costs \$5.00. The Office of the Registrar usually will process transcript requests within 24 hours of receipt. The request may take longer to process if it is received at the close of a semester or summer term. Students who default in the payment of any university financial obligation or have other obligations to the university forfeit their right to a transcript until their obligations are resolved. Transcript requests should be sent directly to the Office of the Registrar in the form of a letter, fax, or on the Transcript Request Form available in the office. Students must sign their requests. You can obtain unofficial transcripts on the World Wide Web at: <http://www.marshall.edu/milo/>, or in your college office.

Transfer Credit

See the Board of Trustees Policy on Transferability of Credits and Grades at end of this section.

• **New Students:**

When you apply for admission to Marshall University, the Admissions office will determine the acceptability of credits you have earned at other institutions.

• **Enrolled Students:**

After enrollment as a regular undergraduate at Marshall, if you plan to take courses at another institution you must have **prior** approval from the dean of your college if you want those courses to count towards your degree requirements at Marshall. You should pick up an off-campus form ("Approval of Courses to be Taken for Advanced Standing") from the Admissions Office or your college office. After filling in the name of the visiting institution as well as the exact courses you wish to take there, take the form to the Admissions Office. The Admissions staff will convert the proposed coursework into equivalent Marshall courses and will then send the form to your college office for review. The associate dean will approve the application if the proposed courses are appropriate for your degree requirements. The form is then forwarded to the Registrar. The Registrar will send you a copy of the completed form.

- Courses students take without prior approval may be rejected when they are evaluated for degree requirements.
- Before the credit you earn at another institution can be transferred and recorded on your permanent academic record at Marshall, you must have an official transcript forwarded from the other institution to the Marshall Admissions Office.
- Coursework taken at another institution **transfers at the level at which it was taken**. This is something important to consider since undergraduate degree students must have a minimum number of hours of upper division credit to graduate. The exact number of required upper division hours is determined by your college. If, for example, you take ENG 220: American Literature to 1877, at Ohio State, and this course converts at Marshall to ENG 321: American Literature to 1877, you will get credit for ENG 321 at Marshall, but those credits will count as lower division (100 to 200 level) credits.
- Grades earned for coursework taken at other institutions are computed into the *overall* GPA, (includes courses taken at MU and other institutions), but have no impact on the Marshall GPA (except grades earned under the *D/F Repeat Rule*).

Board of Trustees Policy on The Transferability of Undergraduate Credits and Grades (Board of Trustees Series No. 17)

1. Undergraduate level credits and grades earned at any public institution governed by the Board of Trustees shall generally be transferable to any other such institution.
2. At least 64 and no more than 72 hours of credits and grades completed at community colleges or branch colleges in the West Virginia state system of higher education shall be transferable to any baccalaureate degree-granting institution in the state system.
3. All grades earned for college credit work within the state system shall be counted for purposes of graduation with honors, and transfer students from within the state system shall be treated the same for this purpose as generic students.
4. With the exception of those enrolling in specialized four-year programs which have demonstrable and bona fide externally imposed requirements making such a goal impossible, students completing two-year associate degrees at public institutions governed by the Board of Trustees shall generally, upon transfer to a baccalaureate-level degree-granting institution, have junior level status and be able to graduate with the same number of total credit hours as a non-transfer student at the same institution and in the same program. An exception may exist in any instance where the associate degree is a technical type designed for terminal career purposes and the general education component is substantially of a markedly different nature than that required for a student at the same two-year institution enrolled in a college transfer associate degree program. Credit hours taken in general education toward associate degrees will count toward the total number of general education credit hours required at the baccalaureate degree-granting institution.
5. There shall be developed and maintained specific detailed articulation agreements between appropriate institutions in the state system. Particularly community colleges, community college components, and branch colleges will indicate clearly in catalogs and other official materials which courses are not necessarily transferable for major programs or other specific purposes to those institutions where significant numbers of students traditionally transfer; any such course(s), however, will be transferred as elective credit up to the maximum herein required.

6. A statewide Ad Hoc Articulation Council appointed by the Chancellor consisting of two (including at least one faculty member) representatives from free-standing components and branch colleges, two (including at least one faculty member) representatives from baccalaureate degree-granting institutions, the Chairman of the Advisory Council of Students or his representative, and two representatives from the Board of Trustees' staff shall be convened as a facilitating body in cases of disagreements between institutions over the transfer of credit. This Council will make a report and a recommendation to the Chancellor.
7. Consistent with provisions above, each baccalaureate degree-granting institution may require transfer students to meet any of the following standards:
 - a) An average of C on previous work attempted and the required grade point average for admission to a particular program.
 - b) The completion of 36 or more additional hours of credit in residence, regardless of the number of hours transferable.
 - c) The completion of 16 of the last 32 hours before graduation in residence.

Any policies of this Board contrary to the foregoing are rescinded.

*Adopted: West Virginia Board of Regents July 10, 1979
Board of Trustees policy effective July 1, 1989*

Undergraduate Students in Graduate Courses

Seniors with an overall GPA of 3.0 or better can apply to take courses at the graduate level (500/600). You should pick up an application in the office of the Graduate College, OM 113. The application requires the recommendation of your major department chairperson, your college dean, and the dean of the Graduate College. A completed application must be on file in the Graduate College office before the opening of the term of enrollment. Seniors can apply credit for graduate courses either to an undergraduate or a graduate degree at Marshall, but not to both. The grades a senior may earn in a graduate course taken for undergraduate credit are included in the computation of the student's undergraduate GPA.

University College

University College is an administrative unit within Enrollment Management that oversees many of the university retention programs. Headed by an assistant dean, University College houses all conditionally admitted students (including international students), the Baccalaureate Transition Program, and all transient students. The Academic Support Center, which includes advising and tutoring, is a part of University College, as is University 101: New Student Seminar.

Workshop

A workshop is a practical, participatory course usually designed for advanced students or professionals. It provides experience or instruction in a new technique, theory or development in a field. Credit may be granted.



Elizabeth McDowell Lewis College of Business

Dr. Calvin A. Kent, Dean
Prof. Lorraine P. Anderson, Associate Dean
<http://lcob.marshall.edu>

Division of Accountancy and Legal Environment **Prof. Neal G. Adkins, Division Head**

Professors

Saunders, Stone

Associate Professors

Berry, Broce, Conrad, Forget, Jakubowski, Meador

Assistant Professors

Esmond-Kiger, Maheshwari, Smith

Instructor

Conner

Division of Finance and Economics **Dr. Roger L. Adkins, Division Head**

Professors

Brookshire, Cobb, Holdren

Associate Professors

Brozik, Kontos, Shuklian, Smith, Wilkins, Zapalska

Assistant Professors

Burton, Newsome, Vinlove

Instructor

Thompson

(continued)

Division of Management and Marketing

Dr. Chong W. Kim, Division Head

Distinguished Professor

R. Alexander

Professors

Bolling, Damewood, Desai, McInerney, Wallace

Associate Professors

Abramson, Brown, Cupps, Emmett, Ha, D. Mader, F. Mader, Rutsohn

Assistant Professors

Braun, Cooper, Hausman, Keys, Weible

Instructor

L. Alexander

Division of Military Science

LTC Redmond, Division Head

Assistant Professors

MAJ Block, CPT Kinsey, CPT Armstrong

Chief Instructor

MSG Godwin

LEWIS COLLEGE OF BUSINESS VISION STATEMENT

The Marshall University Elizabeth McDowell Lewis College of Business will be recognized as an exceptional educational value and as a major participant in the region's economic growth.

LEWIS COLLEGE OF BUSINESS MISSION STATEMENT

The mission of the LCOB is to be a leading regional institution for the education of business students. The college's principal focus will be education. The LCOB is committed to graduating individuals who possess the communication, critical thinking and problem solving skills necessary to meet current needs and the changing demands of a global economy.

The College is dedicated to diversity, academic freedom and shared governance. It will maintain high standards for student learning and performance. The College will attract and retain faculty who are quality instructors, caring mentors and productive researchers while making contributions to their disciplines and the community.

The mission of the college also includes initiatives for employees and individuals not pursuing degrees. The college will be an active partner in economic development through

an emphasis on entrepreneurship and applied research. In achieving its mission, the LCOB will utilize a variety of technology and delivery systems.

GOALS

The goals of the Lewis College of Business which flow from the vision and mission statements can be divided into two parts: those which pertain to teaching excellence and those which relate to outreach and economic development.

GOALS FOR ACHIEVING TEACHING EXCELLENCE

I. INSTRUCTION

1. Create teaching excellence in all courses and programs by enriching student skills in communication, critical thinking and problem solving to ensure all students receive the best possible instruction.
2. Develop intellectual activities related to instructional innovation and pedagogy to provide continuous improvement in student instruction.
3. Utilize a comprehensive system of assessment and evaluation including students, faculty, graduating seniors, alumni and employers to evaluate how effectively the LCOB prepares students for the world of work.
4. Obtain the necessary technology for faculty and students which will allow both to be current and to provide for effective delivery of instruction.
5. Develop faculty skills for the use of technology in teaching and conducting research.
6. Provide an environment for faculty growth as instructors and mentors.

II. STUDENTS

1. Offer expanded opportunities for international study.
2. Maintain a diverse student body while promoting a greater understanding of cultural diversity to prepare students for the changing workplace.
3. Provide expanded opportunities for nontraditional students and employers by creating opportunities for students who could benefit from flexible degree and non-degree programs.
4. Expand the geographic range of LCOB courses and programs to use technology to reach students who cannot come to campus.
5. Encourage more international students to enroll in Marshall by expanding 2+2 and exchange programs with foreign schools.
6. Recruit more aggressively students in West Virginia and surrounding states to maintain the student base necessary to ensure viability of LCOB programs.
7. Increase academic standing of LCOB students through developmental programs and advising.

III. FACULTY

1. Achieve ninety percent of faculty who are academically and/or professionally qualified to guarantee that the highest quality instruction is received by all students.
2. Link rewards to achievement of University and College goals to facilitate excellence in student instruction.

3. Maintain a diverse faculty and encourage international exchange of faculty to better equip students with an understanding of the market place.
4. Achieve a system of shared governance which encourages academic freedom and participation.
5. Encourage faculty members to apply their skills and knowledge by participating in activities that benefit individuals and groups outside the immediate college community. These activities should help enrich the classroom experience for both students and faculty.
6. Create a balanced and expanding portfolio of intellectual contributions including basic and applied research in addition to instructional innovations with an increased emphasis on publications in nationally circulated, refereed journals.

GOALS FOR OUTREACH AND ECONOMIC DEVELOPMENT

1. Conduct applied research and programs which are a direct benefit to the economy of the region.
2. Market and publicize the College more aggressively to its stakeholders.
3. Seek continued stakeholder input regarding curriculum, programs, and policies
4. Secure additional outside funding from foundations, alumni, government and friends to provide increased flexibility, innovation and rewards
5. Develop innovative entrepreneurship programs to serve the region.

DEGREE PROGRAMS

The College of Business offers the following degree programs:

1. Bachelor of Business Administration degree with majors in:
 - a. Accounting
 - b. Economics
 - International Economics Concentration
 - c. Finance
 - d. Management
 - Health Care Management Concentration
 - Operations Management Concentration
 - e. Management Information Systems
 - f. Marketing
 - Business Logistics Concentration
2. Master of Business Administration: a complete description of the M.B.A. program is given in the catalog of the graduate college.

ADMISSION

Regular admission to the university constitutes admission to the Lewis College of Business for entering freshmen and students transferring from other institutions of higher education; there is no separate admissions procedure. Students in other colleges within Marshall University must be eligible to attend Marshall University and have no more than 19 quality deficit points at the time of transfer into the Lewis College of Business.

(continued)

For students transferring into Marshall University, the Lewis College of Business will permit application of any appropriate transfer credits accepted by the university to meet general education requirements, lower division business requirements, or nonbusiness electives. For application to fulfill upper division business requirements and electives, accepted transfer credits must have been earned at the upper division levels; otherwise, mastery of the corresponding upper division coursework at Marshall must be validated in the College of Business division offering the coursework.

PREBUSINESS

Incoming freshmen are admitted to Marshall University under the Pre-Business curriculum, a two-year curriculum designed to show step by step the courses students need to complete to adequately prepare them for their last two years of advanced business study. Following the successful completion of these requirements (shown below), students must apply for full admission to a major in the Lewis College of Business. Transfer students also are admitted under the Pre-Business curriculum until they have met all Pre-Business requirements. If transfer students have met all these requirements prior to entering the Lewis College of Business, they can apply for full admission to a major. Pre-Business students must complete the following requirements while paying particular attention to prerequisites:

MTH 203

ACC 215 (C or better required for Accounting majors only)

ACC 216 (C or better required for Accounting majors only)

ECN 250

ECN 253

ENG 101

ENG 102 (C or better required to graduate)

CMM 207

LE 207

MGT 218

The GPA in these 10 courses must be at least a 2.0. An overall GPA of 2.0 with a minimum of 58 hours completed is required for full admission to a major.

Computer Literacy Requirement: This can be met by taking classes or a three-part exam. Acceptable course substitutions at Marshall University are either (a) CSD 101, or (b) CT 101.

MAINTENANCE OF ACADEMIC PROGRESS

To continue in the Lewis College of Business, students are expected to make progress towards graduation. Progress is to be defined as completion of graduation requirements as described below.

Students who have accumulated 1 to 19 quality deficit points in any GPA area (major, Marshall coursework, or overall coursework) are classified as "on probation." Quality deficit points are received whenever the GPA falls below 2.0. Probation students must be advised prior to registration. At that time, probation students must sign contracts with the dean's office each semester until all quality deficit points are removed. It is the goal of the dean's office to remove the probation status as quickly as possible through strategies such as D/F repeats when applicable. Once all quality deficit points are removed the student is no longer on probation.

A student who has accumulated 20 or more quality deficit points will be declared ineligible. Ineligible students are not allowed to enroll for at least one semester following the semester in which the student became ineligible excluding the summer semesters. If the ineligible student chooses to return after suspension, he/she will be required to sign a contract with the dean's office stating conditions which the student must meet for further enrollment.

ADVISING

Pre-Business students are assigned to the Lewis College of Business dean's office for advising. Each semester, the dean's office holds advising sessions which are required for freshmen. Sophomores who need assistance are encouraged to visit the dean's office. During the junior year, students will be contacted to meet with an academic advisor to review their Junior/Senior Evaluations. Only freshmen, probation students and first semester transfer students are required to have an advisor's signature and stamp on their registration form prior to registration. Students have the responsibility of checking prerequisites prior to enrollment. If a student has not met all prerequisites of a course prior to the first day of class, the student will be academically withdrawn from that course. Fully admitted students are allowed to change majors at any time.

INTERNSHIPS

The purpose of the internship is to provide a means by which students can receive academic credit for educational experiences received in a work environment that cannot be provided by the Lewis College of Business. *Students approved for internship credit will actually register for a university course and are required to pay tuition for the credits they receive.* All proposals for an internship must clearly identify the educational benefits that will accrue to the student before the internship will be approved.

A student may earn up to a maximum of 12 credit hours of internship; a maximum of 6 credit hours can be taken in one semester. Every 200 hours worked equals three credit hours. Internship credit may be earned during regular semesters or summer sessions. Students must register for internship credit during the semester in which they are working the internship. A grade of Credit/No Credit will be assigned by the division head upon completion of internship requirements. Students will be required to submit a journal or report of his/her experience. Students can check with the dean's office about how internship credit will count toward their degree.

To be eligible for internship credit, students must meet the following eligibility requirements:

- Junior or Senior standing, completion of Pre-Business requirements and full admission to major, and overall GPA of 2.5 or better.
- Transfer students meeting the above criteria are eligible to participate after one semester of course work at the Lewis College of Business.

INDEPENDENT STUDY

The Lewis College of Business offers the option of Independent Study to selected students who wish to pursue topics that are business-related but not covered in depth in

formal Lewis College of Business courses. Each student can obtain a maximum of eight (8) hours of Independent Study credit within the COB, and can earn no more than four (4) hours of such credit in any one semester.

In order to register for Independent Study in a given semester (provided the above hour limits have not been reached), the following conditions must be met:

1. The student must have Senior standing, with a 2.0 or higher in their Overall, Marshall, and major GPA's or Junior standing with a 3.0 GPA within the major.
2. An instructor within the student's major division must agree to be his/her Project Supervisor. The faculty member's agreement to serve in this capacity will be contingent upon his/her assessment of the feasibility and quality of the student's proposed project.
3. Written approval for the project, and written approval for Independent Study registration, must then be obtained from the student's Division Head. The Division Head's approval will be contingent upon his/her assessment of the feasibility and quality of the student's proposed project, in consultation with the student's proposed supervisor.

If a student is able to meet the above conditions, then he/she will be allowed to register for Independent Study, and will subsequently be bound by the "Procedures for Independent Study Projects" in the Office of the Dean.

GRADUATION REQUIREMENTS

The following general requirements must be met by all students seeking bachelor's degrees through the Lewis College of Business:

1. Satisfaction of all university requirements for graduation.
2. Completion of all curricular requirements specified for the major and degree.
3. Completion of the following residency requirements:
 - a. Earn at least 36 semester hours at Marshall.
 - b. Earn at least 12 hours of senior level coursework in the Lewis College of Business at Marshall.
 - c. Earn at least 15 hours in the major field at Marshall.
 - d. Earn at Marshall 16 or more of the last 32 hours credited toward the degree.
 - e. At least 50% of the business courses required for the degree (excluding 9 hrs. of economics and 6 hours of statistics) must be earned at Marshall.
 - f. At least 64 hours must be taken outside of the Lewis College of Business: 9 hrs. of economics and 6 hrs. of statistics can be counted as outside the Lewis College of Business.
4. Earn at least a 2.0 Grade Point Average (GPA) in each of the following three categories:
 - a. All coursework attempted at Marshall and elsewhere.
 - b. All Marshall coursework.
 - c. All coursework attempted and included in the major(s) at Marshall.
5. Successful validation of transfer work as required.
6. Removal of all Incompletes and, if required, passing of the English Qualifying Examination.
7. At most, 18 semester hours of coursework (consisting only of general education

requirements and/or free electives) taken under the Credit/No Credit option may be applied toward graduation requirements. Lewis College of Business and other courses in your major may not be taken on a Credit/No Credit basis.

8. All candidates for graduation should file an Application for Graduation Form in the semester PRIOR to the semester in which all requirements for the degree are to be met. This will enable the student to make all necessary schedule adjustments to correct potential graduation deficiencies in the final semester.

All candidates for graduation must file a written Application for Graduation Form and a Diploma Graduation Fee Receipt with the dean's office in Corbly Hall 107 immediately after the beginning of the semester or summer term in which all requirements for the degree are to be met and by the deadline date printed in the catalog and schedule. A student on probation will not be permitted to apply for graduation.

To ensure graduation at the end of the term of application, all records should be documented with needed transcripts, substitution forms, grade changes, lower division validations, and English qualifying exam results by the posted deadline date.

Students should not plan to graduate at the end of a term in which they are completing required work at another institution.

GENERAL EDUCATION REQUIREMENTS

<i>Subject Area</i>	<i>Hours Required</i>
Communication Studies 207 and one of the following CMM 308, 315, 319, 322	6
English 101, 102	6
COM 095 is required for students with an English ACT scores of 14-17. COM 094 is required for students with an English ACT score of less than 14. The graduation requirement is increased three hours per course for students who complete COM 094 and/or COM 095.	
Computer Literacy Requirement:	
Pre-Business students are required to show computer literacy proficiency through either taking an exam consisting of three distinct tests: Internet, Spreadsheets, and Word Processing; or by enrolling in a course or courses that substitute for the exam. The computer literacy proficiency requirement can be fulfilled by passing CT 106 (Spreadsheets), CT 107 (Internet) and OT 107 (Word Processing); by passing CSD 101; or by passing CT 101. This requirement should be met during the freshman year.	
Arts/Humanities	6
Any courses in the following areas may be selected: Art (except Art 113, 340, 460), Classical Studies, Dance, English (any course above 302), Music, Philosophy, Religious Studies or Theater.	
Natural Sciences	7 or 8
Students must select at least 4 hours of integrated science (ISC) coursework (lab included). Refer to the Schedule of Courses printed each semester to determine which science courses have the ISC designation. All students must successfully complete a mathematics course above MTH 120 prior to enrolling in an ISC course.	

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To complete the remaining three hours of the science requirement, any courses in the following areas may be selected or the student may opt for a second ISC science course: Geography, Chemistry, Geography 101, Physics, Biological Science, Physical Science.

Mathematics 123 and 203	6
<p>MAT 097 is required for students with mathematics ACT score 16-18. MAT 096 is required for students with a mathematics ACT score of less than 16. The graduation requirement is increased four hours per course for students who complete MAT 096 and/or MAT 097.</p>	
Behavioral Sciences	3
Psychology 201	
American Institutions	6
<p>Complete 6 credit hours selected from the following courses:</p>	
<p>Anthropology 430, 455</p>	
<p>Economics 310, 326, 332, 342, 415, 450, 456</p>	
<p>Geography 206, 305, 320, 401, 402, 410, 414, 415, 416, 420</p>	
<p>History 125, 230, 231, 310, 312, 323, 333, 342, 350, 402, 404, 405, 420, 424, 431, 432, 433, 440</p>	
<p>Political Science 104, 202, 233, 301, 303, 307, 376, 423, 433, 436, 440, 461, 484</p>	
<p>Sociology 200 (Non-International Sections), 300, 310, 311, 313, 330, 342, 375, 401, 408, 413, 420, 423, 425, 428, 433, 435, 442, 450.</p>	
<p>Social Studies 207</p>	
International Studies	9
<p>To meet this requirement, the student must:</p>	
<p>a. Select 3 hours from the following Economics courses: 150, 340, 408, 420, 460</p>	
<p>b. Select 6 hours from the following (see NOTE below):</p>	
<p>Anthropology 201, 426, 427, 437</p>	
<p>Finance 440</p>	
<p>French 240, 404, 405-406</p>	
<p>Geography 100, 203, 302, 309, 314, 315, 317, 403, 405, 408, 412</p>	
<p>German 240, 405-406</p>	
<p>History 103, 208, 221, 223, 261, 301, 302, 304, 377, 378, 405, 423, 426, 428, 430, 434, 435, 460</p>	
<p>Journalism and Mass Communications 436</p>	
<p>Marketing 371</p>	
<p>Philosophy 320</p>	
<p>Political Science 309, 405, 406, 407, 408, 409, 410, 411, 415, 420, 422, 423, 424, 428, 429</p>	
<p>Religious Studies 205</p>	
<p>Sociology 200 (International Sections), 401</p>	

Spanish 240, 402, 403, 405, 406

NOTE: The courses that are designated as official "International Studies" electives under this heading will change semester by semester as determined by the International Studies Committee. Some of the above courses may be deleted; others may be added. To determine the exact list of options available to the student in any given semester, refer to the Schedule of Courses for courses designated as "International."

Multicultural Studies and Writing Across the Curriculum

Multicultural Studies 3

To meet this requirement, the student must select 3 hours from among the courses that the Committee on Multicultural Studies designates as fulfilling this requirement. This list will change, semester by semester, as this committee monitors eligible courses. To determine the exact list of options available to the student in any given semester, refer to the Schedule of Courses for courses designated as Multicultural.

NOTE: Any course that fulfills this requirement can be double-counted by the student as 3 hours of credit toward fulfilling other general education requirements as specified in the catalog.

Writing Across the Curriculum 3

Students must select 3 hours from among the courses that are designated as "Writing Intensive" in the Schedule of Courses.

PREBUSINESS CURRICULUM

First Year

<i>First Semester</i>	<i>Hrs.</i>
English 101	3
Mathematics 123	3
Science Elective	3-4
Non-COB Free Elective	3
American Institutions Elective	<u>3</u>
	15-16

<i>Second Semester</i>	<i>Hrs.</i>
English 102	3
Communications Studies 207	3
Mathematics 203	3
International Studies Elective	3
Non-COB Free Elective	3
CSD 101/CT 101	<u>0-3</u>
	15-18

Second Year

<i>First Semester</i>	<i>Hrs.</i>
Accounting 215	3
Economics 250	3
ISC Science Elective	4
International Studies Elective	3
Comm. Studies Elective	<u>3</u>
	16

<i>Second Semester</i>	<i>Hrs.</i>
Accounting 216	3
Economics 253	3
Psychology 201	3
Management 218	3
Arts/Humanities Elective	3
Legal Environment 207	<u>3</u>
	18

SUGGESTED PROGRAMS OF STUDY FOR THE LAST TWO YEARS

Accounting

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Marketing 340	3
International Studies Econ. Elective ..	3
Accounting 311	3
Accounting 318	3
Free Elective	<u>3</u>
	15

<i>Second Semester</i>	<i>Hrs.</i>
Legal Environment 308	3
Accounting 312	3
Accounting 348	3
Finance 323	3
Management 320	3
Free Elective	<u>3</u>
	18

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Accounting 313	3
Accounting 429	3
Accounting 414	3
American Institutions Elective	3
Arts/Humanities Elective	3
Free Elective	<u>0-1</u>
	15-16

<i>Second Semester</i>	<i>Hrs.</i>
Management 460 (Capstone)	3
Accounting 441	3
Accounting 451 (Capstone)	3
Accounting Elective	3
Accounting Elective	<u>3</u>
	15

Economics

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Marketing 340	3
International Studies Econ. Elective ..	3
Economics 328	3
Management 320	3
American Institutions Elective	<u>3</u>
	15

<i>Second Semester</i>	<i>Hrs.</i>
Economics Elective	3
Economics Elective	3
Finance 323	3
Economics 326	3
Free Elective	<u>3</u>
	15

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Economics Elective	3
Arts/Humanities Elective	3
Free Elective	3
Economics 440	3
Management 420	3
Economics 466 (Capstone)	<u>2</u>
	17

<i>Second Semester</i>	<i>Hrs.</i>
Management 460 (Capstone)	3
Free Elective	3
Economics 423	3
Free Elective	3
Economics 467 (Capstone)	2
Free Elective	<u>2-3</u>
	16-17

Economics (International Economics Concentration)

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Marketing 340	3
International Studies Elective*	3
Economics 328	3
Management 320	3
American Institutions Elective	3
	15

<i>Second Semester</i>	<i>Hrs.</i>
Economics 326	3
Marketing 371	3
Finance 323	3
International Studies Elective*	3
International Econ. Elective	3
Free Elective	2-3
	17-18

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Finance 440	3
International Econ. Elective	3
Management 420	3
Free Elective	3
Economics 466 (Capstone)	2
Arts/Humanities Elective	3
	17

<i>Second Semester</i>	<i>Hrs.</i>
International Studies Elective*	3
International Econ. Elective	3
Management 460 (Capstone)	3
Free Elective	3
Economics 467 (Capstone)	2
	14

*15 hours of International Studies Electives cannot be taken in the Lewis College of Business. This requirement can be met by taking 100 and 200 level language courses or by taking other university designated international courses. In addition, students may apply foreign experiences toward these hours. Check in the dean's office.

Finance

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Legal Environment 308	3
Finance 323	3
Management 320	3
Accounting Elective	3
Marketing 340	3
Marketing 231 (taken in 2nd year) ..	3
	18

<i>Second Semester</i>	<i>Hrs.</i>
Finance 325	3
Arts/Humanities Elective	3
Finance 370	3
Free Elective	3
International Studies Econ. Elective ..	3
	15

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Management 420	3
Management 422	3
Finance Elective	3
Finance 330	3
Management 461	3
Free Elective	0-1
	15-16

<i>Second Semester</i>	<i>Hrs.</i>
Finance 415/470 (Capstone)*	3
Management 460 (Capstone)	3
Finance 440	3
Finance Elective	3
American Institutions Elective	3
	15

*Senior Finance Case Study (capstone) courses (FIN 415, FIN 470) depend upon area of interest. FIN 415 is usually offered in the Fall. FIN 470 is usually offered in the Spring. Students do not take both courses.

(continued)

Management

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Management Info. Systems 290	3
Marketing 340	3
Management 320	3
Management Elective	3
Management 360	3
Free Elective	<u>0-1</u>
	15-16

<i>Second Semester</i>	<i>Hrs.</i>
Finance 323	3
Management 419	3
Management 422	3
International Studies Econ. Elective... 3	3
Free Elective	<u>3</u>
	15

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Management 420	3
Management 424	3
American Institutions Elective	3
Management Elective	3
Free Elective	3
Free Elective	<u>3</u>
	18

<i>Second Semester</i>	<i>Hrs.</i>
Management 423 (Capstone)	3
Management 425	3
Management 460 (Capstone)	3
Arts/Humanities Elective	3
Free Elective	<u>3</u>
	15

Management (Health Care Concentration)

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Management 320	3
International Studies Econ. Elective . 3	3
Marketing 340	3
Management 350	3
Finance 323	3
Free Elective	<u>2-3</u>
	16-17

<i>Second Semester</i>	<i>Hrs.</i>
Arts/Humanities Elective	3
Legal Environment 351	3
Management 354	3
Finance 356	3
Accounting 358	<u>3</u>
	15

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Management 420	3
Management 422	3
Management 424	3
American Institutions Elective	3
Management 471 (Summer Only) ..	<u>4</u>
	16

<i>Second Semester</i>	<i>Hrs.</i>
Management 423	3
Management Info. Systems 290	3
Management 455/460 (Capstone)	3
Management Elective	3
Management 472 (Summer Only)	<u>4</u>
	16

Management (Operations Concentration)

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Accounting 318	3
Management 320	3
Marketing 340	3
International Studies Econ. Elective . 3	3
Management Operations Elective	3
Free Elective	<u>0-1</u>
	15-16

<i>Second Semester</i>	<i>Hrs.</i>
Management 418	3
Management Info. Systems 290	3
Finance 323	3
American Institutions Elective	3
Management Operations Elective	<u>3</u>
	15

(continued)

Fourth Year

First Semester	Hrs.
Management 425	3
Management 422	3
Management 420 (Capstone)	3
Management Elective	3
Free Elective	3
Free Elective	3
	<u>18</u>

Second Semester	Hrs.
Management 426	3
Management 460 (Capstone)	3
Arts/Humanities Elective	3
Management 423	3
Free Elective	3
	<u>15</u>

Management Information Systems

Third Year

First Semester	Hrs.
Management Info. Systems 290	3
Management Info. Systems 310	3
Management Info. Systems 340	3
Management Info. Systems 207	3
Management 320	3
	<u>15</u>

Second Semester	Hrs.
Finance 323	3
International Studies Econ. Elective ...	3
Marketing 340	3
Management Info. Systems 330	3
Management Info. Systems 209	3
	<u>15</u>

Fourth Year

First Semester	Hrs.
Free Elective	3
Arts/Humanities Elective	3
Management Info. Systems 410	3
Management 420	3
Management Info. Systems 430	3
American Institutions Elective	3
	<u>18</u>

Second Semester	Hrs.
Management 460 (Capstone)	3
Management Info. Systems 440	3
Management Info. Systems 441	3
(Capstone)	
Free Elective	0-4
	<u>9-12</u>

Marketing

Third Year

First Semester	Hrs.
International Studies Econ. Elective ..	3
Marketing 340	3
Management 320	3
Free Elective	3
Journalism 330	3
Marketing 231 (taken in 2nd year) ..	3
	<u>18</u>

Second Semester	Hrs.
Marketing 371	3
Marketing Elective	3
Finance 323	3
Free Elective	3
Marketing 350	3
	<u>15</u>

Fourth Year

First Semester	Hrs.
Management 420	3
Marketing 442	3
Marketing Elective	3
American Institutions Elective	3
Free Elective	3
	<u>15</u>

Second Semester	Hrs.
Marketing 465 (Capstone)	3
Marketing Elective	3
Management 460 (Capstone)	3
Free Elective	3
Arts/Humanities Elective	3
Free Elective	0-1
	<u>15-16</u>

(continued)

Marketing (Business Logistics Concentration)

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
International Studies Econ. Elective	3	Free Elective	3
Marketing 340	3	Finance 323	3
Management 320	3	Marketing Elective	3
Free Elective	3	Marketing 350	3
Journalism 330	3	Marketing 371	3
Marketing 231 (taken in 2nd year)	<u>3</u>	Free Elective	<u>0-1</u>
	18		15-16

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Management 420	3	Marketing 465 (Capstone)	3
Marketing 442	3	Management 460 (Capstone)	3
American Institutions Elective	3	Free Elective	3
Marketing Elective	3	Marketing Elective	3
Free Elective	<u>3</u>	Arts/Humanities Elective	<u>3</u>
	15		15

BUSINESS SCIENCE AND TECHNOLOGY MAJOR: ONLINE CAMPUS

The Business Science and Technology major is a B.B.A. degree with a broad spectrum of business courses. The LCOB offers the major solely through online courses. Students pursuing this major obtain their course work through internet based instruction. The Business Science and Technology major is not available to regularly enrolled, on campus Marshall students.

The LCOB offers all of the upper division major courses required for the degree through the internet. Many of the Prebusiness courses are also offered online by Marshall.

Courses required for Prebusiness but not offered through Marshall can be transferred from other accredited institutions. Students may transfer either classroom based or electronic courses to meet Prebusiness requirements. The LCOB dean's office determines whether transfer courses will meet Prebusiness requirements. Students should contact the LCOB dean's office prior to taking courses from another institution to verify in advance the transferability of the course.

Marshall University is a member of the Southern Regional Electronic Campus (SREC) which is a consortium of accredited colleges and universities offering online courses. Students seeking electronic Prebusiness courses may want to visit the SREC at <http://www.srec.org/>. All of the Prebusiness courses are available in the electronic format through the SREC. Students taking courses through the SREC must verify proper course selection with the LCOB dean's office in advance.

Business Science and Technology majors must meet all LCOB graduation requirements of the B.B.A. degree. Business Science and Technology majors may not graduate during their final semester if course work is being transferred in from another institution the semester in which the student intends to graduate. Transcripts from other institutions must be received by the Marshall University Registrar before the end of the semester. If transcripts are received late the student will graduate the following semester.

Students pursuing the Business Science and Technology major must meet all prerequisite requirements. The following courses are required:

Pre-Business Requirements

CSD 101 or CT 101E.	
Computers & Data Processing	3
ENG 101, English Composition I	3
MTH 123.	
Selected Topics in College Algebra	3
Science Elective	3
Arts/Humanities Elective	3
CMM 207.	
Bus. & Prof. Communication	3
	18

ENG 102, English Composition II	3
MTH 203, Calculus for Business	3
American Institutions Elective	3
International Studies Elective	3
PSY 201, General Psychology	3
Arts/Humanities Elective	3
	18

ACC 215, Principles of Accounting I	3
ECN 250, Principles of Microeconomics ...	3
ISC Science E	4
American Institutions Elective	3
(Multicultural - HST 342E or SOC 200E)	
International Studies Elective	3
	16

ACC 216, Principles of Accounting II	3
ECN 253, Principles of Macroeconomics ..	3
MGT 218E, Business Statistics	3
LE 207, Legal Environment of Business ..	3
International ECN Elective (ECN 420E) ...	3
CMM Studies Elective	
(CMM 255E or 319E)	3
	18

Major Requirements

MIS 290E, Principles of MIS	3
MKT 340E, Principles of MKT	3
FIN 323E, Principles of FIN	3
Free Elective	3
Free Elective	3
	15

BS&T Elective	3
MKT 341E, Advertising Management	3
FIN 325E, Commercial Banking	3
MGT 320E, Principles of Management	3
Free Elective	3
	15

MGT 420E, Operations Management	3
MIS 310E, Bus. Sys. Analysis & Design ...	3
BS & T Elective	3
Free Elective	3
Free Elective	3
	15

MIS 340E, Database Management Sys.	3
MGT 424E, Personnel Management	3
BS&T Elective	3
MGT 460E, Strategic Management (WAC) ..	1
Free Elective	3
	13

BS&T Electives: Students may select from the following courses: ACC 318E, ECN 310E, FIN 330E, FIN 425E, FIN 440E, MIS 410E, MKT 371E, MKT 442E

MINOR PROGRAMS OF STUDY

Students may desire a limited but structured background in one of the functional areas of business.

Because the business core encompasses much of the foundation work required, completion of the minor would facilitate entry into the M.B.A. program. The following minor programs of study provide such structured backgrounds. These minors are the only minors available in the LCOB.

Accounting Minor - A minimum of 12 credit hours in Accounting, to include ACC

215, 216, and six hours of accounting electives. Choose from among ACC 311, 312, 318, 348, 358, 360, 365, 412, 415, 418, 448.

Economics Minor - A minimum of 12 credit hours in Economics, with no more than three of those hours earned at the 100 level.

Finance Minor - A minimum of 12 credit hours in Finance, to include FIN 323, plus six hours from among FIN 325, 330, 370; plus three hours taken in any of the discipline's 400-level courses.

Management Minor - A minimum of 12 credit hours, to include MGT 320, plus three hours from among MGT 420, 422; for the remaining six hours choose from:

Health Care: MGT 350, 354

Human Resources: MGT 424, 425 (or 422, if not already taken)

Small Business: MGT 360, 461

Management Information Systems: MIS 440, 441

Management Information Systems Minor - A minimum of 12 credit hours in Management Information Systems, chosen from among CSD 207 and the following MIS courses: 209, 290, 310, 330, 340, 410, 430, 440, 441.

Marketing Minor - A minimum of 12 credit hours, to include MKT 231, 340, 371 and three hours of MKT at either the 300 or 400 level.

MILITARY SCIENCE

U.S. Army Reserve Officers' Training Corps

The Marshall University Reserve Officers' Training Corps Program, established at Marshall in September, 1951, is open to both men and women. The objective of this program is to produce leaders capable of serving as commissioned officers in the U.S. Army active and reserve forces. It provides a basic military education which, in conjunction with other college disciplines, develops the attributes essential for successful executive performance. Individuals who successfully complete all of the training may be commissioned in the United States Army, the United States Army Reserve or the National Guard upon graduation from the university.

Curriculum

The ROTC program is divided into two parts - the Basic Course and the Advanced Course. The Basic Course (MS I and MS II) consists of 100- and 200-level Military Science classes and is designed primarily for freshman and sophomore students. Students do not incur a military obligation in the Basic Course. The Advanced Course (MS III and MS IV) consists of 300- and 400-level Military Science classes and is reserved for junior, senior and graduate students. In the Advanced Course, the student receives a monthly tax-free subsistence allowance of \$150.00 and a military obligation is incurred.

The Military Science curriculum can be taken in conjunction with any of the four-year university degree programs and may be applied toward graduation requirements as electives. Students who attain a high standard of military and academic achievement may be afforded an opportunity to apply for active duty commission with a beginning salary of about \$28,000 per year.

Two-Year Program

Students who have not taken the first two years of Military Science may gain credit by attending Basic Camp (MS 251) at Fort Knox, Kentucky. Students are awarded six credit hours for this camp and are paid approximately \$700 for attending the five-week camp. You may attend Basic Camp with no obligation. If the student decides to enter the Advanced Course the obligation begins the first day of the junior year. Students interested in the two-year program should contact the Military Science Department. Also, qualified veterans and students who have had Junior ROTC in high school may be awarded credit for the first two years of ROTC.

Eligibility

To be eligible for enrollment in ROTC, an applicant must be a regularly enrolled full-time student capable of participating in a normal college physical education program. To progress to the Advanced Course, students must meet age, physical condition, moral standards, have a 2.0 overall grade point average, and be entering their junior year of college. Members of the Army Reserve and National Guard may enroll in Military Science classes and receive a commission.

Scholarships and Allowances

Scholarships are available for two, three, or four years. Students enrolled in the Advanced Course receive a tax-free subsistence allowance of \$150 a month. They also receive about \$700 for attending a five-week Advanced Camp (between the junior and senior year). Total remuneration for the final two years is approximately \$3,000. All military textbooks, uniforms, and equipment are furnished at no cost to students.

Graduate Schooling

A delay to pursue a master's degree in any subject discipline other than Religious Studies may be granted for a period of up to 24 months. These opportunities are available before entering active duty, or at some later date. Future officers involved in a legal course of study or the medical sciences may delay their active duty for a period necessary to complete their studies, but not more than 36 months. All of these program are varied and require intense application as a student.

Military Science Extracurricular Activities

In addition to ROTC classes, the Military Science Department offers unique opportunities in various activities. These activities are designed to create new and lasting friendships as well as to develop spiritual and mental leadership. The extracurricular activities are: the Color Guard, Intramural Sports, Ranger Challenge Team (the varsity sport of Cadet Command), and Officer's Christian Fellowship.

For further information, contact the Military Science Department, Room 217, Gullickson Hall, or call (304) 696-6450.



College of Education and Human Services

Dr. Larry G. Froehlich, Executive Dean
Dr. Jane G. McKee, Associate Dean, Academic Programs

<http://www.marshall.edu/coe/>
coehs@marshall.edu

School of Education

Dr. Carl Johnson, Acting Chair (johnson@marshall.edu)
<http://www.marshall.edu/teacher-education>

Professors

Angel, Bauer, Bickel, Dilley, Evans, Ferrell, Guyer, Johnson, McKee, Maynard, Pendarvis, Spatig, Sowards, Turner, Williams

Associate Professors

Arneson, Arthur, Banks, Gillespie, Karickhoff, Lucas

Assistant Professors

Hanger, Idings, Paynter, Smith, Sottile

Division of Health, Physical Education, and Recreation

Dr. C. Robert Barnett, Chair (barnett@marshall.edu)
<http://www.marshall.edu/hper>

Professors

Busbee, Crosbie, Marley, Parker, Roberts, Shepherd

Associate Professors

Marshall, Saunders

Assistant Professors

Kiger, McAllister

(continued)

Division of Human Development and Allied Technology

Dr. Lee Olson, Chair (olsonl@marshall.edu)

<http://www.marshall.edu/lcoelhdad>

Professors

Barker, Eash, Gordon, Hall, Linnenkohl, McDowell, Olson, Reese, Stern

Associate Professors

Baker, Graham, Keener, Lowry, Singley, Wyant

Assistant Professors

Dillow, Hermon, Kittusamy, Sias

MISSION OF THE COLLEGE

The College of Education and Human Services (COEHS) is one of the oldest academic units within Marshall University. When the West Virginia Legislature purchased Marshall College in 1867, it insured the preparation of teachers by establishing the West Virginia State Normal School as part of the college program. This function has remained an integral part of the university mission throughout the years.

The College of Education and Human Services continues to prepare teachers and other professional educators, including counselors, principals, supervisors, superintendents and athletic trainers. It also provides continuing education opportunities for professional educators. All teacher education programs at Marshall University are under the direction of the College of Education and Human Services.

In addition to teacher education programs, the college administers related academic programs in Family and Consumer Sciences, Park Resources and Leisure Services, Counseling, Safety Technology, Adult Fitness, and Sports Management and Marketing.

The College of Education and Human Services provides educational services for students and the community which include the Autism Training Center, Early Education Center, Learning Resources Center (LRC), Testing Center, Recreational Sports, and the Center for Higher Education for Learning Problems (HELP). The College of Education and Human Services provides education and services for a program that is open, complex, demanding, and evolving. It meets the academic needs of educators and other professional personnel in the area of educational services.

PROGRAM CHANGES FOR THE COLLEGE OF EDUCATION AND HUMAN SERVICES

Students in the College of Education and Human Services should monitor their programs of study carefully due to ongoing curricular changes in many programs, especially in teacher education programs.

Please check with your advisor and/or the Associate Dean of the College of Education and Human Services for information regarding your program. Information is also available through the COEHS student newsletter.

ADMISSION TO THE COLLEGE OF EDUCATION AND HUMAN SERVICES

Regular admission to the university constitutes admission to the College of Education and Human Services for entering freshmen and students transferring from other institutions of higher education; there is no separate admission procedure. Students in other colleges within Marshall University must have fewer than 20 deficiency points to be eligible for transfer to the College of Education and Human Services.

DEGREE REQUIREMENTS

Students who expect to complete degree requirements in the College of Education and Human Services are required to complete their *capstone experience*, which must include at least one year's work in residence, one semester of which must be in the senior year. A "year in residence" must represent not less than 30 weeks' work in residence with not less than 24 hours credit. Students must complete at least 56 hours at Marshall University.

Candidates for a bachelor's degree who entered Marshall University within ten years prior to their graduation may graduate by meeting the requirements in effect at the time of their entrance into the College of Education and Human Services. (EXCEPTION: See Section B next paragraph)

Teacher Education degree requirements have been satisfied provided:

- A. The West Virginia Department of Education will accept the program under the Approved Program arrangements.
- B. If a student changes from a teaching program to a non-teaching program or from a non-teaching program to a teaching program within the College of Education and Human Services, that student will come under the catalog of record of the date of change. If a student adds or drops a certification specialization or endorsement, specialization and professional education requirements only will be those of a new catalog of record.

When the candidate fails to complete the requirements within ten (10) years or fails to make continuous progress, he/she must meet the graduation/certification requirements in effect at the time of re-entry to the program. Any questions related to this matter should be referred to the Associate Dean of Student Services.

CREDIT FOR COURSES OFFERED EXTERNALLY

Credits earned through correspondence, extension, military service, radio, television, and special examinations are accepted up to a maximum of 28 semester hours. Courses are accepted only if such courses are offered by institutions of higher education which are accredited by a regional accreditation association of secondary schools and colleges and the National Council for Accreditation of Teacher Education. Enrollment for any such credit should be approved through the office of the Associate Dean of Student Services prior to enrollment.

ACADEMIC PROBATION

Any student who has less than a 2.0 average is on academic probation. Students with transfer credit must satisfy the 2.0 overall and institutional.

A student on probation must show the improvement stipulated by the College of Education and Human Services during each succeeding term in which he or she is enrolled. Students failing to meet this standard may be suspended and declared ineligible to attend the next regular academic semester or may be dismissed from the university.

1. Students, while on academic probation, must request permission to enroll each term from the Associate Dean in Jenkins Hall 225.
2. Students desiring to take courses at another institution must complete an official request form requesting approval **PRIOR** to visiting another institution as a transient student.

SCHOLASTIC INELIGIBILITY

Students are subject to academic and behavioral regulations of the university. For failure to comply with such regulations, a student may be suspended as provided by the Board of Trustees.

Students failing to meet academic standards may be suspended and declared ineligible to attend the next regular academic semester or may be dismissed from the university.

1. A student who has a deficit of 20 or more quality points at the end of a regular term will be suspended. Students with transfer credit must satisfy the standard for the overall and institutional GPA.
2. Permission to enroll in summer school must be obtained through the Associate Dean's office, Jenkins Hall 225.

PROGRAM REQUIREMENTS

The following information refers to programming required in the College of Education and Human Services.

1. Students must complete the curricular requirements as outlined in the undergraduate catalog in effect at the time they enter the College of Education and Human Services. **Students should monitor their programs of study carefully due to ongoing curricular changes in many programs, especially in teacher education programs.**
2. A minimum of 128 semester hours is required by the university for graduation. The degree program selected by College of Education and Human Services major could require additional hours to satisfy graduation. Program curricula, as printed, could have the same course listed in the general studies and the option areas. These need to be identified to determine the SPECIFIC NUMBER of SEMESTER HOURS REQUIRED for graduation in the selected major(s).
 - a. Credits for developmental courses are not included in the minimum 128 hour total.

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- b. Students enrolling in the first year of a foreign language must complete six (6) semester hours if it is to be included in the minimum 128 semester hours required for graduation. Students who complete one-half or three (3) semester hours of the requirement must complete an additional three (3) hours of credit for a total of 131 semester hours for graduation.
3. A minimum of 45 semester hours must be earned in 300-400 level courses. Courses transferred from two-year colleges may not be used as part of the 300-400 level requirements. Courses transferred from four-year accredited colleges retain their original numbers.
4. Although students are expected to complete the majority of their work at Marshall University, it is possible to complete some coursework at other institutions. Arrangement for such enrollment must be made in advance of enrollment. Students must obtain a permission form in the Associate Dean's office, Jenkins Hall 225.

GRADUATION REQUIREMENTS

Graduation requirements in the College of Education and Human Services differ by program area. General requirements for teacher education and human services programs are listed. Individual program requirements are identified with the specific programs. **Students should monitor their programs of study carefully due to ongoing curricular changes in many programs.**

Teacher Education Programs:

1. Satisfactory completion of the Marshall Plan and the culminating capstone experience (student teaching).
2. Completion of all required courses in each specialization, in general education, and in professional education.
3. Grade point averages of:
 - a. 2.5 overall and on all courses attempted at Marshall University. Transfer credit may not be used to increase the grade point average except in the case of *D/F* Repeat Policy.
 - b. 2.5 in each specialization.
 - c. 2.5 in professional education.
4. Completion of a minimum of 128 semester hours, including at least 56 hours at Marshall University.
5. English composition (ENG 102, 302 or 201H grade of "C" or better)
6. Successful passage of all parts of the Pre-Professional Skills Test (PPST)

Human Services Programs:

1. Completion of a minimum of 128 semester hours, including at least 56 hours at Marshall University.
2. Grade point averages of 2.0 overall and on all courses attempted at Marshall, unless otherwise stipulated by the program areas. (See your academic advisor for further information). A higher GPA may be required by specific governing agencies to satisfy the credentials application process.

3. English composition (ENG 102, 302 or 201H grade of C or better)
4. Satisfactory completion of the Marshall Plan and the culminating capstone experience.

TEACHER EDUCATION

Pre-Teacher Education

Incoming freshmen are admitted to Marshall University as Pre-Teacher Education students. During this time students are encouraged to register for general studies requirements. There is no bachelor's degree granted in pre-teacher education. Full admission to teacher education is dependent on successful completion of the application for admission to teacher education standards.

Transfer students are also admitted under the Pre-Teacher Education curriculum until they have met all of the standards for admission to teacher education.

Admission to Teacher Education

1. Enrolled in the College of Education and Human Services as a PRE-TEACHER EDUCATION major.
2. Completed 24 credit hours, including EDF 270 (12 hours for transfer students).
3. Maintained quality point average of 2.5 or better for all courses attempted OVERALL.
4. Maintained quality point average of 2.5 or better for all courses attempted at Marshall University.
5. Successfully passed ALL THREE PARTS (reading, writing, mathematics) of the Pre-Professional Skills Test (PPST), a requirement of the West Virginia Department of Education. This test **must be successfully completed within the first 24 hours of coursework in order for the student to make continuous progress in the professional education core.**

Transfer students **must** complete the PPST during their first 12 hours at Marshall University if they plan to begin professional education core classes during their second academic term.

Process for Application for Admission to Teacher Education

1. During enrollment in EDF 218, each student will be asked to submit an Application for Admission to Teacher Education.
2. During the semester the application is submitted, personnel in the Associate Dean's office (Jenkins Hall 225) will evaluate each student's record to determine eligibility for admission to Teacher Education.
3. Each transfer student is responsible for initiating the application procedure through the Certification Office, 232 Jenkins Hall.

Students who desire to become teachers in pre-kindergarten/kindergarten, elementary, middle, and secondary schools and who are confident that they can attain the standards of academic and professional competency required, enroll in the College of Education and Human Services. Faculty advisors and the representatives of the Associate Dean's office direct students in programs of their choice throughout their college careers. Students who are enrolled in another college or school of the university may not enroll in

the professional education core courses except for EDF 218 and EDF 270. There is no credit hour limit on enrollment in other academic departments administered by the College of Education and Human Services.

Minor

No education minor is available through the School of Education.

CLINICAL EXPERIENCES

All teacher education students participate in clinical experiences which permit them to observe children or youth in activities which are examples of the teaching/learning process. These experiences are provided in cooperation with the public schools of the area as well as non-school agencies. Students who enroll for these activities must meet the standards of dress and conduct which apply to employees in the schools to which they are assigned.

Certain other programs require clinical experiences that are associated with specific courses. Students should examine the Courses of Instruction section of this catalog for descriptions of courses in their programs.

PURIFIED PROTEIN DERIVATIVE (PPD) TEST

Students will not be permitted to work in any public school without a valid negative PPD test. The West Virginia State law concerning PPD examinations for persons entering public schools (HB 709) states that a person working with public school children **MUST** have a PPD examination prior to entering public school. This examination is valid for two years with the following exception:

If the PPD results in a positive reaction, the examinee must submit to an x-ray examination each year thereafter. If the x-ray proves negative, the person is then permitted to work in public school.

Students who expect to enter schools for clinical experiences during any semester must arrange for a PPD test prior to entering the school. REMEMBER, there is a THREE day waiting period for a PPD test. Persons are not permitted to enter a public school until a negative report is obtained. *Reports must be carried with the student and presented to the principal or his/her representative upon entering a school.*

The PPD is provided free of charge at the Cabell County Health Clinic on specified days. Check with the instructor of your course or inquire in the office of the Clinical Director, Jenkins Hall 232, for further details.

STUDENT TEACHING

An applicant for a professional certificate who is to be recommended to the West Virginia Department of Education for licensure must complete student teaching at Marshall University.

Any coursework in addition to the student teaching block must be approved by the Director of Clinical Experiences prior to registration. Any additional class scheduled during this period must meet after 4:00 p.m. No student may take more than sixteen (16) semester hours during the student teaching semester.

Students are assigned to public schools that have an agreement to provide student teaching experiences in cooperation with Marshall University. Since the supply of super-

vising teachers is limited and the College of Education and Human Services has a large number of teacher candidates, it is sometimes necessary to assign students to selected schools away from campus. It is not possible to place students in schools within walking distance. Students must provide transportation to student teaching site(s). Students are advised not to commit themselves to long-term leases since it may be necessary for some to seek housing in areas which are beyond commuting distance. In all cases the responsibility for placements rests with the Director of Clinical Experiences and with the approval of the public school administration of the school in which the student is to be placed. Students who are assigned a student teaching position but who do not complete the assignment may not be assured of a future assignment.

Admission to student teaching at Marshall University requires the following:

1. Completion of the professional education core prerequisites.
2. GENERAL STUDIES REQUIREMENTS with the grade of C or better in English composition 102, 302, or 201H.
3. A quality point average of 2.5 or better in all courses attempted and in **all coursework at Marshall University**, in all courses in the **teaching specializations**, and in all courses in **professional education**. Students should review their program sheets to identify professional education courses. It will be the student's responsibility to insure that the above grade averages have been met prior to entering student teaching. Any student who enters student teaching without the above grade averages will be withdrawn by administrative action.
4. The completion of approximately three-fourths (3/4) of the coursework in the teaching specialization(s). Applicants must complete a minimum of 100 hours prior to the beginning of student teaching.
5. **Application for Student Teaching.** Applications must be completed by midterm of the semester previous to enrolling for this experience. The deadline date for making application for student teaching will be posted outside the office of the Director of Clinical Experiences.

NOTE: Students who are members of varsity teams may not participate in the student teaching program during the active season of their particular sport (e.g., football team members may enroll for student teaching only during the spring semester, basketball team members may enroll for student teaching only during the fall semester and so on).

CERTIFICATE REQUIREMENTS (WEST VIRGINIA)

In addition to the graduation requirements, the prospective educator must meet the following requirements for West Virginia certification:

1. Passing score on NTE PRAXIS II Specialty Area Test for each teaching specialization. All students should complete the test(s) during their senior year.
2. Passing score on the (PLT) Principles of Learning and Teaching.
3. Cumulative quality point average of 2.5 or better for all courses attempted.
4. Quality point average of 2.5 or better in all comprehensive or subject specializations. All courses within the selected comprehensive or subject specialization(s) are considered in computing the grade point average, whether or not they are listed as requirements for the student's specific comprehensive or subject specialization(s).

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5. Quality point average of 2.5 or better in all professional education courses.
6. Quality point average of 2.5 or better in all courses attempted at Marshall University. Transfer credit may not be used to increase the grade point average except in the case of D/F Repeat Policy.

Students seeking certification in states other than West Virginia should check with the appropriate state department of education.

CERTIFICATE RENEWAL

Marshall University, in addition to offering teacher preparation programs, is actively involved in the continuing education of all professional teachers. The West Virginia Board of Education has approved a program of continuing education for all professional teachers and school service personnel. Information relative to renewal of a teacher's professional certificate is available from the Certification Office, 232 Jenkins Hall.

COLLEGE OF EDUCATION AND HUMAN SERVICES PROGRAMS

EDUCATION PROGRAMS

Multi-Subject Education (Elementary Education)

(Students majoring in Elementary Education must add one or more of the following endorsements: PK-K, MI, or a 5-9 content area. Students majoring in a K-12, 9-12, or 5-12 program have the option of adding one or more of the following middle childhood endorsements.)

Middle Childhood Endorsements

English 5-9
French 5-9
General Science 5-9
Mathematics 5-9
Oral Communication 5-9 (Speech)
Social Studies 5-9
Spanish 5-9

Secondary and K-12 Programs:

Secondary Programs

Art Education 5-12
Athletic Training 5-12
Biological Science 9-12
Business Education Comprehensive 9-12
Chemistry 9-12
Consumer and Homemaking Comprehensive 5-12
English 5-9

(continued)

English 5-12
French 5-9
French 5-12
General Science 5-9
General Science 5-12
Health Education 5-12
Journalism 9-12 (must choose a second 5-12 or K-12 specialization)
Latin 9-12 (must choose a second 5-12 or K-12 specialization)
Marketing Education 9-12 Comprehensive
Mathematics 5-9
Mathematics 5-12
Mentally Impaired
Oral Communication 5-9 (Speech)
Oral Communication 5-12 (Speech)
Physical Education 5-12
Physics 9-12
Safety 9-12 (must choose a second 5-12 or K-12 specialization)
Social Studies 5-9
Social Studies 5-12 Comprehensive
Spanish 5-9
Spanish 5-12

K-12 Programs

Art Education K-12 Comprehensive
Music Education K-12 Comprehensive
Physical Education K-12

**HUMAN SERVICE PROGRAMS (COMPREHENSIVE):
(Only one specialization is required)**

Adult Fitness
Athletic Training Comprehensive
Counseling
Family and Consumer Sciences
 Family and Child Development
 Fashion Merchandising
 Food and Nutrition
Park Resources and Leisure Services
 Leisure Services
 Parks and Conservation
 Therapeutic Recreation
Safety Technology
Sports Management and Marketing

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Students obtain program sheets from the Office of Student Services, 225 Jenkins Hall, when they declare their majors. These forms will assist in the planning and in the recording of progress.

Students should monitor their programs of study carefully due to ongoing curricular changes in many programs, especially in teacher education programs.

GENERAL REQUIREMENTS FOR TEACHER EDUCATION PROGRAMS

Some of these hours may be included as a part of your declared major.

Courses in this category MAY NOT be completed under the credit/non-credit option.

Students entering teacher education programs, beginning with the fall of 1995, will be responsible for meeting the requirements of the Marshall Plan, five new initiatives for general education. These include Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, Integrated Science and Mathematics, and the Capstone Experience. More detailed information about these requirements appears under Mission of University. Each student in the College of Education and Human Services should consult with his or her advisor to develop a plan for meeting these new requirements.

A. FINE ARTS	3
Art (ART)112, Theatre (THE) 112, Music (MUS) 142	
B. COMMUNICATION STUDIES	9
Written Communications: ENG 101 and 102 or 201H or 302	6
Oral Communication: CMM 103 or 104H or 305	3
C. HUMANITIES	6
Literature (ENG) courses at or above the 300 level	
D. MATHEMATICS (Select 3 hours from the following)	3
MTH 121 (Special sections assigned for Elementary majors)	
or	
Mathematics course above MTH 121	
E. COMPUTER SCIENCE	34
a. CI 102 or high school credit	1
b. CI/ITL 350	3
F. PHYSICAL EDUCATION	2
Select 2 hours from any two HPER (PE/PLS) activities courses	
G. NATURAL SCIENCE	8
a. INTEGRATED SCIENCE (ISC)	4
b. Science coursework offered in the College of Science	4

(continued)

H. SOCIAL SCIENCE	9
SOS 207 (Multicultural)	3
INTERNATIONAL STUDIES (Select 6 hours from the approved list)	6
Total General Requirement Hours	43-44

Other Requirements

- I. 128 Minimum Semester Hours
- J. 45 Upper Division Hours
- K. Pre-Professional Skills Test (PPST)
- L. Admission to Teacher Education (see page 139)
- M. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test
Principles of Learning and Teaching (PLT) Test
- N. Marshall Plan

ART K-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	54
ART 113, 203, 214, 215, 217, 218, 255, 256, 299, 301, 307, 340, 350, 401, 402, 406, 460	48
ART: (select three hours) 305, 306, 308	3
ART: (select three hours) 405, 407, 409, 412, 413, 414	3
ART 200 (complete 6 semesters)	0
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools	3
EDF 270, Clinical Experience I	
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 321, Early Childhood Curriculum and Methods Including a Field Experience	3
ART 468, Secondary Education: Teaching Art and CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3

(continued)

EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) (CAPSTONE)	12
C. General Requirements (see page 144)	43-44
D. Art majors must submit near the end of the freshman year a portfolio of art work completed in the freshman year for review by the Art faculty. This must be submitted PRIOR TO enrollment for advanced art classes.	
E. All students must complete six semesters of ART 200 (0 credit hours)	
F. Art majors must present during the senior year a satisfactory exhibition of creative work.	
G. 45 Upper Division Hours	
H. Pre-Professional Skills Test (PPST)	
I. Admission to Teacher Education (see page 139)	
J. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
K. Marshall Plan	
L. All coursework in the Department of Art must be completed with a grade of C or above. A course with a grade of D or F must be repeated with at least a grade of C to count for graduation or to be used as a prerequisite for another required course.	

ART 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	45
ART 113, 203, 214, 215, 217, 255, 299, 301, 307, 340, 350, 401, 402, 406, 460	42
ART: (select three hours) 305, 306, 308	3
ART 200 (complete 6 semesters)	0
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education:</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
ART 468, Secondary Education: Teaching Art, and	3
CI 470, Field Experience	0

(continued)

CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. Art majors must submit near the end of the freshman year a portfolio of art work completed in the freshman year for review by the Art faculty. This must be submitted PRIOR TO enrollment for advanced art classes.	
G. All students must complete six semesters of ART 200 (0 credit hours)	
H. Art majors must present during the senior year a satisfactory exhibition of creative work.	
I. 45 Upper Division Hours	
J. Pre-Professional Skills Test (PPST)	
K. Admission to Teacher Education (see page 139)	
L. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
M. Marshall Plan	
N. All coursework in the Department of Art must be completed with a grade of C or above. A course with a grade of D or F must be repeated with at least a grade of C to count for graduation or to be used as a prerequisite for another required course.	

ATHLETIC TRAINER 5-12 (Second Major Only)

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	60
BSC 227, 228	8
FCS 210	3
HE 222	3
PE 115, 127, 201, 215, 321, 345, 422, 435, 448, 449, 479	31
PSY 201	3
PE 375 or 478 (Select one)	3
PE 476, PSY 204, PSY 302, PSY 311, PSY 312 (Select one)	3
HE 221, 430 (Select one)	3
Clinicals: PE 255, 360, 361, 460, and 490	3
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools	3

(continued)

EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience (Refer to FIRST MAJOR)	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements)	
D. 45 Upper Division Hours	
E. Pre-Professional Skills Test (PPST) or appropriate ACT score	
F. Admission to Teacher Education (see page 139)	
G. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
H. 950 hours of practical experience under the supervision of a certified athletic trainer.	
I. Admission to Athletic Training (GPA 2.5)	
J. Marshall Plan	

BIOLOGICAL SCIENCE 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	49-50
BSC 120, 121, 320, 322, 324	20
BSC 212 or 214	4
BSC 415 or 416	4
CHM 211, 212, 217, and 218	10
PHY 201 and 202	4
Electives (Select 3-4 hours):	3-4
BSC 302, 430, 460, or other BSC courses	
GLY 200, 210	4

(continued)

B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

BUSINESS EDUCATION COMPREHENSIVE 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	51
ATE 425	3
ACC 215, 216, and 348 or any approved 300 or 400 level ACC 3-hour elective	9
ATE 305, 325, and 421	9
ECN 253	3
LE 207	3
MGT 320	3
MKT 340	3
OT 112, 114, 261, 236, 237 and 265 (Student may request selected proficiency exams)	18

(continued)

B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
ATE 469, Business and Occupational Teaching Methods AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. To aid in fully understanding the application of theory to business, applicants must complete a minimum of 200 clock hours of verified work experience, simulation, or practicum in a five-year period prior to certification.	
K. Marshall Plan	

CHEMISTRY 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	32
CHM 211 and 212, 217, 218, 307, 327, 345, 365, 366	
GLY 425	
B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3

(continued)

CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144) (Some hours in this specialization may be used as General Studies Requirements)	43-44
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education(see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

CONSUMER AND HOMEMAKING 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	46
FCS 201, 202, 203, 210, 212, 213, 303, 306, 314, 351, 354, 358, 415, 416, 432, 444	
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 421, Children with Exceptionalities	3
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3

(continued)

CI 415, Integrated Methods: Secondary Education AND	3	
CI 470, Field Experience	0	
CI ____, Student Teaching (full semester) CAPSTONE	12	
C. General Requirements (see page 144)		43-44
D. Electives (to meet the minimum required 128 hours for graduation)		
E. Electives: students may choose to use these hours toward a second endorsement		
F. 45 Upper Division Hours		
G. Pre-Professional Skills Test (PPST)		
H. Admission to Teacher Education (see page 139)		
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test		
J. Marshall Plan		

DRIVER'S EDUCATION 9-12 (SAFETY)

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization		18
HE 222	3	
SED 235, 385,400, 410,450	15	
B. Professional Education Core		
1. A methods course must be completed in the 5-12, 9-12, or K-12 specialization which must accompany Driver's Education.		
2. Professional Education courses: Refer to the declared 5-12, 9-12 or K-12 teaching specialization.		
3. CI ____, Student Teaching	6	
C. General Requirements (see page 144)		43-44
D. A second 5-12, 9-12 or K-12 Teaching Specialization (excluding Journalism)		
E. Electives (to meet the minimum required 128 hours for graduation)		
F. 45 Upper Division Hours		
G. Pre-Professional Skills Test (PPST)		
H. Admission to Teacher Education (see page 139)		
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test		
J. Marshall Plan		

EARLY EDUCATION PK-K

Students must complete the Early Education PK-K certification with the Elementary Education major. Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A.	Teaching Specialization: Early Education, Ages 3-5	15
	FCS 303, Child Development	3
	FCS 431, Development and Guidance of the Young Child	3
	FCS 435, Administration of Day Care Centers	3
	CI 310, Special Needs in Early Childhood Education	3
	CI 459, Multicultural Influences in Education: Techniques and Strategies	3
B.	Professional Education Core	33
	EDF 218, Child to Adolescent Development in Schools AND	3
	EDF 270, Clinical Experience I	0
	<i>The following courses require the prerequisite Admission to Teacher Education</i>	
	EDF 319, Applications of Learning Theory	3
	CI 321, Early Childhood Curriculum and Methods Including a Field Experience	3
	CI 421, Children with Exceptionalities	3
	CI 442, Instructional and Classroom Management: Elementary Education	3
	CI 447, Integrated Reading, Language Arts, and Social Studies Methods AND	3
	CI 471, Clinical Experience II	0
	EDF 475, Schools in a Diverse Society	3
	CI ____, Student Teaching (full semester) CAPSTONE	12
C.	General Requirements (see page 144)	43-44
	(Some hours in this specialization may be used as General Studies Requirements)	
D.	Electives (to meet the minimum required 128 hours for graduation)	
E.	45 Upper Division Hours	
F.	Pre-Professional Skills Test (PPST)	
G.	Admission to Teacher Education (see page 139)	
H.	Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
I.	Marshall Plan	
J.	Elementary Education Specialization	

(continued)

ELEMENTARY EDUCATION

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option. Students majoring in Elementary Education must add one or more of the following endorsements: PK-K, MI, or 5-9 content area.

A. Teaching Specialization	34
CI 101, 201, 342, 343, 446, 448	18
PE 305	3
HE 122	1
HST 230, 440	6
MUS 342	3
ART 335	3
B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 321, Early Childhood Curriculum and Methods Including a Field Experience	3
CI 421, Children with Exceptionalities	3
CI 442, Instructional and Classroom Management: Elementary Education	3
CI 447, Integrated Reading, Language Arts, and Social Studies Methods AND	3
CI 471, Clinical Experience II	0
EDF 475, Schools in a Diverse Society	3
CI ___, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. 45 upper division hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	
H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test. Principles of Learning and Teaching (PLT) Test	
I. Marshall Plan	

ENGLISH 5-9

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

(continued)

A. Teaching Specialization	30
CI 303	3
CMM 320	3
ENG 317 or 319	3
ENG 350	3
ENG 402	3
ENG 419	3
ENG 420	3
ENG 478: Sociolinguistics	3
ENG 450 or 451 or 428	3
ENG 303 or 340 or 341	3
B. Professional Education Requirements	
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
<i>Refer to declared major sheet for the General Studies and Professional Education core.</i>	
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies requirements)	
D. This specialization may not stand alone or be combined with another 5-9 specialization.	
E. 45 Upper Division Hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	
H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
I. Marshall Plan	

ENGLISH 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	39
ENG 303 or 340 or 341, 317, 319, 321, 350, 402, 419, 420, 450 or 451 or 428, 478, 410 or 412	33
English Electives: select 3 hours in English. (Choose one 400 level course - preferably a period course; and a 3 hour elective, not to include ENG 302 or 331.)	3
CMM 320	3

(continued)

B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

FRENCH 5-9

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	18
FRN 101, 102, 203, 204	12
FRN 310 or 311	3
FRN 405 or 406	3
B. Professional Education Requirements	
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3

(continued)

Refer to declared major sheet for the General Studies and Professional Education Core.

- C. General Requirements (see page 144) 43-44
- D. **This specialization may not stand alone or be combined with another 5-9 specialization.**
- E. 45 Upper Division Hours
- F. Pre-Professional Skills Test (PPST)
- G. Admission to Teacher Education (see page 139)
- H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test
Principles of Learning and Teaching (PLT) Test
- I. Marshall Plan

FRENCH 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	30
FRN 101, 102, 203, 204, 314	15
FRN 310 or 311	3
FRN 315 or 316	3
FRN 405 or 406	3
French Literature (select three hours with consent of advisor)	3
French Elective (select three hours with consent of advisor)	3
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12

(continued)

C. General Requirements (see page 144)	41
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education(see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

GENERAL SCIENCE 5-9

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	28
BSC 120, 121 and BSC 320 or PS 210	12
GLY 200 and 210L	4
PS 109 and 109L	4
PS 110 and 110L	4
PS 400 and 400L	4
B. Professional Education Requirements	
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
<i>Refer to declared major sheet for the General Studies and Professional Education Core.</i>	
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies requirements)	
D. This specialization may not stand alone or be combined with another 5-9 specialization.	
E. 45 Upper Division Hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	
H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
I. Marshall Plan	

GENERAL SCIENCE 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	44
BSC 120, 121, and BSC 320 or PS 210	12
CHM 211, 212, 217, 218	10
GLY 200 and 210L	4
MTH 122 (PR: PHY 201/203)	3
MTH 130 (PR: PHY 201/203)	3
PHY 201-202, 203-204	8
PS 400, 400L	4
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

HEALTH EDUCATION 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	30
FCS 210	3
HE 220, 221, 222, 321, 325, 426	18
PE 201, 345	6
SED 235	3
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____ Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

JOURNALISM 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

(continued)

A. Teaching Specialization	33
JMC 100 (Required of students scoring less than 77 on school-administered language skills test. Does not count toward graduation.)	3
JMC 102, 201, 241, 301, 302, 360, 402, 404, 428, 440	30
JMC Elective (select three hours from any other JMC courses)	3
B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
D. Electives (to meet the minimum required 128 hours for graduation)	
E. A second 5-12, K-12, or 9-12 Teaching Specialization (excluding Safety)	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

LATIN 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	33
CL 436	3
LAT 101, 102, 203, 204, 240	15
Latin Electives (select 15 hours with approval of advisor)	15
B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0

(continued)

The following courses require the prerequisite Admission to Teacher Education

EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 415, Integrated Methods: Secondary Education AND CI 470, Field Experience	3 0
CI 449, Instructional and Classroom Management: Secondary Education	3 3
EDF 475, Schools in a Diverse Society	3
CI ___, Student Teaching (full semester) CAPSTONE	12

- C. General Requirements (see page 144) 43-44
- D. **A Second 5-9, 5-12, 9-12 or K-12 Specialization**
- E. 45 Upper Division Hours
- F. Pre-Professional Skills Test (PPST)
- G. Admission to Teacher Education (see page 139)
- H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test
Principles of Learning and Teaching (PLT) Test
- I. Marshall Plan

MARKETING EDUCATION COMPREHENSIVE 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	46
ACC 215	3
CMM 207	3
ECN 250, 253	6
MGT 320, 424	6
ATE 105, 201, 485	7
MKT 231, 340, 341, 344, 350	15
ATE 422, 425	6
B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND EDF 270, Clinical Experience I	3 0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3

(continued)

ATE 469, Business and Occupational Teaching Methods	3
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Program requires 2,000 hours of verified work experience in the marketing or service occupations. Wage earning experience shall be in businesses that (1) sell goods at retail, (2) services at retail, including financial and transportation services, and (3) wholesale.	
K. Marshall Plan	

MATHEMATICS 5-9

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	18
MTH 130, 140, 225, 330, 400, 401	
B. Professional Education Requirements	
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
<i>Refer to declared major sheet for the General Studies and Professional Education Core.</i>	
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies requirements)	
D. This specialization may not stand alone or be combined with another 5-9 specialization.	
E. 45 Upper Division Hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	

(continued)

- H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test. Principles of Learning and Teaching (PLT) Test
- I. Marshall Plan

MATHEMATICS 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	34-35
MTH 229, 230, 231, 330, 443, 445, 448, 449, 450	31
Mathematics Electives:	
(select 3 or 4 hours from MTH courses at 300 or 400 level)	3-4
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods and Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

MENTALLY IMPAIRED (MILD/MODERATE)

Students must complete the MI certification with the Elementary Education major. Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization - Mentally Impaired K-12	18
CI 320, 420, 433, 435, 439, 453	
B. Professional Education Core	30
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory	3
CI 321, Early Childhood Curriculum and Methods Including a Field Experience	3
CI 442, Instructional and Classroom Management: Elementary Education	3
CI 447, Integrated Reading, Language Arts, and Social Studies Methods AND	3
CI 471, Clinical Experience II	0
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. 45 minimum upper division hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	
H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
I. Marshall Plan	
J. Elementary Education Specialization	
K. Current approved programs in special education are limited to the broadest programmatic level(s) indicated for the professional teaching specialization(s)	

MUSIC K-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	62
Applied Major	12
Applied Minor	4

(continued)

Principal Music Ensemble	7
MUS 115, 116, 121, 215, 216 301, 315, 415, 422, 423, 425	32
Music Electives: (select one two-hour course from the following): 320 or 321	2
Area of Emphasis	5
<i>Voice Majors:</i>	
MUS 261, 262, 263, 254	4
Choose one of the following:	
Instrumental Music Ensemble or MUS 177	1
<i>Instrumental Majors:</i>	
Select 3 of the following:	
MUS 261, 262, 263, 264	3
MUS 312, 313	2
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education</i>	
EDF 319, Applications of Learning Theory AND	3
CI 472, Clinical Experience (co-requisite EDF 319)	0
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
MUS 338, Music Ed.: Materials and Methods in Elementary	3
MUS 339, Music Ed.: Instrumental Methods—Grades 5-12	3
MUS 340, Music Ed.: Vocal/Choral Methods—Grades 5-12	3
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
D. 45 Upper Division Hours	
E. Pre-Professional Skills Test (PPST)	
F. Admission to Teacher Education (see page 139)	
G. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test. Principles of Learning and Teaching (PLT) Test	
H. Marshall Plan	
I. All coursework in the Department of Music must be completed with a grade of C or above. A course with a grade of D or F must be repeated with at least a grade of C to count for graduation or to be used as a prerequisite for another required course.	

ORAL COMMUNICATION 5-9 (COMMUNICATION STUDIES)

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	18
CMM 202, 240, 213, 345,450	15
THE 225	3
B. Professional Education Requirements	
CI 401, Middle School Curriculum	3
CI 403, Methods & Materials of Teaching in the Middle School Grades Including a Field Experience	3
<i>Refer to declared major sheet for the General Studies and Professional Education Core.</i>	
C. General Requirements (see page 144)	43-44
D. This specialization may not stand alone or be combined with another 5-9 specialization.	
E. 45 Upper Division Hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	
H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
I. Marshall Plan	

ORAL COMMUNICATION 5-12 (COMMUNICATION STUDIES)

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	33
CMM 202, 240, 213, 310, 320, 345, 450	21
THE 150, 151, 222, and 437	9
Journalism Elective: (select 3 hours from JMC courses at 200-400 level)	3
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education:</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3

(continued)

CI 401, Middle Childhood Curriculum	3	
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3	
CI 421, Children with Exceptionalities	3	
CI 415, Integrated Methods: Secondary Education AND CI 470, Field Experience	0	
CI 449, Instructional and Classroom Management: Secondary Education	3	
EDF 475, Schools in a Diverse Society	3	
CI ____, Student Teaching (full semester) CAPSTONE	12	
C. General Requirements (see page 144)		43-44
D. Electives (to meet the minimum required 128 hours for graduation)		
E. Electives: students may choose to use these hours toward a second endorsement.		
F. 45 Upper Division Hours		
G. Pre-Professional Skills Test (PPST)		
H. Admission to Teacher Education (see page 139)		
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test		
J. Oral Communication specialists must pass the voice and articulation screening test. Those who must receive therapy at the Speech Clinic will not receive academic credit for clinic participation. Specialists are also required to participate in cocurricular activities before their senior year. Activities and hours of participation will be recorded by the Communication Studies Department.		
K. Marshall Plan		

PHYSICAL EDUCATION K-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization		44
HE 222	3	
PE 118, 201, 211, 218, 310, 311, 314, 321, 345, 350, 369, 435	33	
HPER Activity Classes (See Advisor for Motor Skills Requirement)	8	
Beginning Activities (5 hours with grade of B or better)		
Intermediate Activities (3 hours with grade of B or better)		
B. Professional Education Core		39
EDF 218, Child to Adolescent Development in Schools AND	3	
EDF 270, Clinical Experience I	0	
<i>The following courses require the prerequisite Admission to Teacher Education:</i>		
EDF 319, Applications of Learning Theory	3	

(continued)

CI 321, Early Childhood Curriculum and Methods including Field Experience	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 421, Children with Exceptionalities	3
CI 415 Integrated Methods: Secondary Education AND CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI, ____ Student Teaching (full semester)	12
C. General Requirements (see page 144)	43-44
(2 hours, PE/PLS Activity, of this specialization may also be used as General Studies requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. 45 Upper Division Hours	
F. Pre-Professional Skills Test (PPST)	
G. Admission to Teacher Education (see page 139)	
H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
I. Marshall Plan	

PHYSICAL EDUCATION 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	38
HE 222	3
PE 118, 201, 211, 218, 310, 311, 321, 345, 369, 435	27
HPER Activity Classes (See Advisor for Motor Skills Requirement)	8
Beginning Activities (5 hours with grade of B or better)	
Intermediate Activities (3 hours with grade of B or better)	
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education:</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 401, Middle Childhood Curriculum	3

(continued)

CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 421, Children with Exceptionalities	3
CI 415 Integrated Methods: Secondary Education AND CI 470, Field Experience	3 0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(2 hours, PE/PLS Activity, of this specialization may also be used as General Studies Requirements.)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

PHYSICS 9-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	43
CHM 211, 217	5
GLY 200, 210L	4
PHY 201 and 202, PHY 203 and 204	8
PHY 320, 421, 447	9
PS 400, 400L	4
PHY 304, 308, 314, 405, 412, 415, 450 (Select 13 hours)	13
B. Professional Education Core	33
EDF 218, Child to Adolescent Development in Schools AND EDF 270, Clinical Experience I	3 0
<i>The following courses require the prerequisite Admission to Teacher Education:</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3

(continued)

CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirements (see page 144)	43-44
(8 hours of this specialization may be used as General Studies Science requirements)	
D. Electives (to meet the minimum required 128 hours for graduation)	
E. Electives: students may choose to use these hours toward a second endorsement.	
F. 45 Upper Division Hours	
G. Pre-Professional Skills Test (PPST)	
H. Admission to Teacher Education (see page 139)	
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test	
J. Marshall Plan	

SOCIAL STUDIES 5-9

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	33-34
ECN 200	3
GEO (select 6-7 hours from the following) 100, 101, 206, 317, 418	6-7
HST 230, 231	6
NON-WESTERN WORLD (Select 3 hours from the following: HST 208, 301, 302, 377, 423, 429, 430, 435)	3
HST 101, 102, 103 (Select 6 hours)	6
PSC 104	3
HST 440	3
SOS 404	3
B. Professional Education Requirements	
CI 401, Middle Childhood Curriculum	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
<i>Refer to declared major sheet for the General Studies and Professional Education Core.</i>	
C. General Requirements (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirements.)	

(continued)

- D. **This specialization may not stand alone or be combined with another 5-9 specialization.**
- E. 45 Upper Division Hours
- F. Pre-Professional Skills Test (PPST)
- G. Admission to Teacher Education (see page 139)
- H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test. Principles of Learning and Teaching (PLT) Test
- I. Marshall Plan

SOCIAL STUDIES COMPREHENSIVE 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

A. Teaching Specialization	45
ECN 250, 253	6
GEO 100, 203, 317	9
HST 101, 102, 103, 230, 231, 440	18
Non-Western World History (Select three hours from the following: HST 208, 301, 302, 377, 423, 429, 430, 435)	3
HST 219 or 260	3
PSC 104	3
SOS 404	3
B. Professional Education Core	39
EDF 218, Child to Adolescent Development in Schools AND	3
EDF 270, Clinical Experience I	0
<i>The following courses require the prerequisite Admission to Teacher Education:</i>	
EDF 319, Applications of Learning Theory	3
CI 345, Critical Reading, Writing, & Thinking	3
CI 421, Children with Exceptionalities	3
CI 401, Middle Childhood Curriculum	3
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3
CI 415, Integrated Methods: Secondary Education AND	3
CI 470, Field Experience	0
CI 449, Instructional and Classroom Management: Secondary Education	3
EDF 475, Schools in a Diverse Society	3
CI ____, Student Teaching (full semester) CAPSTONE	12
C. General Requirement (see page 144)	43-44
(Some hours in this specialization may be used as General Studies Requirement)	

(continued)

- D. Electives (to meet the minimum required 128 hours for graduation)
- E. 45 Upper Division Hours
- F. Pre-Professional Skills Test (PPST)
- G. Admission to Teacher Education (see page 139)
- H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test. Principles of Learning and Teaching (PLT) Test
- I. Marshall Plan

SPANISH 5-9

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

- | | |
|---|-------|
| A. Teaching Specialization | 18 |
| SPN 101, 102, 203, 204 | 12 |
| SPN 310 or 311 | 3 |
| SPN 405 or 406 | 3 |
| B. Professional Education Core | |
| CI 401, Middle School Curriculum | 3 |
| CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience | 3 |
| <i>Refer to declared major sheet for the General Studies and Professional Education Core.</i> | |
| C. General Requirements (see page 144) | 43-44 |
| D. This specialization may not stand alone or be combined with another 5-9 specialization. | |
| E. 45 Upper Division Hours | |
| F. Pre-Professional Skills Test (PPST) | |
| G. Admission to Teacher Education (see page 139) | |
| H. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test Principles of Learning and Teaching (PLT) Test | |
| I. Marshall Plan | |

SPANISH 5-12

Except for Student Teaching, courses in this category MAY NOT be completed under the credit/non-credit option.

- | | |
|----------------------------------|----|
| A. Teaching Specialization | 30 |
| SPN 101, 102, 203, 204, 314 | 15 |
| SPN 310 or 311 | 3 |
| SPN 315 or 316 | 3 |

(continued)

SPN 405 or 406	3	
SPN Literature (select three hours with consent of advisor)	3	
SPN Elective (select three hours with consent of advisor)	3	
B. Professional Education Core		39
EDF 218, Child to Adolescent Development in Schools AND	3	
EDF 270, Clinical Experience I	0	
<i>The following courses require the prerequisite Admission to Teacher Education:</i>		
EDF 319, Applications of Learning Theory	3	
CI 345, Critical Reading, Writing, & Thinking	3	
CI 421, Children with Exceptionalities	3	
CI 401, Middle Childhood Curriculum	3	
CI 403, Methods & Materials of Teaching in the Middle Childhood Grades Including a Field Experience	3	
CI 415, Integrated Methods: Secondary Education AND	3	
CI 470, Field Experience		
CI 449, Instructional and Classroom Management: Secondary Education	3	
EDF 475, Schools in a Diverse Society	3	
CI ____, Student Teaching (full semester) CAPSTONE	12	
C. General Requirements (see page 144)		43-44
D. Electives (to meet the minimum required 128 hours for graduation)		
E. Electives: students may choose to use these hours toward a second endorsement.		
F. 45 Upper Division Hours		
G. Pre-Professional Skills Test (PPS)		
H. Admission to Teacher Education (see page 139)		
I. Praxis II: National Teacher Exam (NTE) Subject Assessment/Specialty Area Test. Principles of Learning and Teaching (PLT) Test		
J. Marshall Plan		

GENERAL REQUIREMENTS: HUMAN SERVICES PROGRAMS

Students entering human services programs are responsible for meeting the requirements of the Marshall Plan, five initiatives for general education. These include Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, Integrated Science and Mathematics, and the Capstone Experience. More detailed information about these requirements appears under Mission of University. Each student in the College of Education and Human Services should consult with his or her advisor to develop a plan for meeting these new requirements.

A. FINE ARTS (Select 3 hours from the following)	3
Art (ART), Theatre (THE), Music (MUS)	

(continued)

B. COMMUNICATION STUDIES	9
Written Communication	
ENG 101; 102 or 201H or 302	6
Oral Communication	
CMM 103 or 104H or 305	3
C. HUMANITIES	3
Literature (ENG) Select 3 hours at or above 300 level	3
D. MATHEMATICS	3
MTH 121 or higher	
E. COMPUTER SCIENCE (Select 3 hours from the following)	3
CSD 101	3
F. PHYSICAL EDUCATION	2
Select 2 hours from any HPER (PE/PLS) activities courses	
G. NATURAL SCIENCE (select 8 hours from the following)	8
ISC or CHM 365	4
Science coursework offered in the College of Science	4
H. SOCIAL SCIENCE (9 hours required)	9
Multicultural (Select 3 hours from the approved list	
International Studies (Select 6 hours from the approved list)	6
Total General Requirement Hours	40

Other Requirements

- I. See specific requirements for each program elsewhere in this catalog.
- J. 128 Minimum Semester Hours
- K. 45 Upper Division Hours
- L. Marshall Plan

Minors in Human Services

Minor in ATE: Business

Select 12 hours from the following courses:

ATE 305, 325, 421, 425, 442, 444, or 446

Minor in ATE: Marketing

Select 12 hours from the following courses:

ATE 105, 201, 403, 405, 410, 420, 422, 425, 440, or 449

ADULT FITNESS INTERDISCIPLINARY

Courses in this category MAY NOT be completed under the credit/non-credit option.

A. General Requirements (see page 174)	40
(Some hours in this specialization may be used as General Studies Requirement)	
B. Professional Core	
1. Applied Core	15
PE 118, 218, 410	9
PSY 201 and 440	6
2. Cognate Core	21
PE 201, 215, 321, 345, 365	15
HE 222	3
FCS 210	3
3. Activity Courses	6
PE 115, 127, and 4 hours with approval of advisor	6
4. Adult Fitness	19
PE 211, 375, 385, and 478	11
PE 490	8
C. Students must choose 21 hours from the following options	21
ACC 410, BSC 227, 228, 250, 324,	
CHM 211, 212, 217, 218, 327, 355, 356, 361,	
COUN 433, 477, DTS 408, ENG 354,	
FIN 356, LE 207, MGT 320, 350 354, 360,	
MKT 340, MTH 122, 130, 132, 225,	
PE 369, 422, 448, 479, PHY 201, 202, 203, 204, 350	

Other Requirements

- D. 128 Minimum Semester Hours
- E. 45 Upper Division Hours
- F. Marshall Plan

ATHLETIC TRAINING COMPREHENSIVE

Courses in this category MAY NOT be completed under the credit/non-credit option.

The Physical Education area of the division of Health, Physical Education and Recreation, located in the College of Education and Human Services, offers a comprehensive interdisciplinary non-teaching option in physical education which affords students the possibility for emphasis in athletic training, leading to the Bachelor of Arts degree and the issuance of a Professional Service Certificate to serve as a Certified Athletic Trainer in the public schools. This program is accredited by the Council on Accreditation of Allied Health Education Programs.

A. General Requirements (see page 174)	40
(Some hours in this specialization may be used as General Studies requirements)	

B. Professional Core		97
1. Applied Core		9
PE 118, 218, 410		
2. Cognate Core		24
HE 220, 221, and 430 (Select two)	6	
HE 222	3	
PE 201, 321, 345, 435	12	
PE 476, PSY 204, PSY 302, PSY 311, PSY 312 (Select one)	3	
3. Activity Courses (2 hours general studies)		6
PE 115 and 127	2	
PE/PLS Activities (4 separate courses)	4	
4. Natural Science		8
BSC 227 and BSC 228 (General Requirement Science)		
5. Athletic Training		26
FCS 210	3	
PE 375 or 478	3	
PE 215, 385, 422, 448, 449, 479	20	
Clinicals PE 255, 360, 361, and 460	0	
6. Electives - Restricted electives approved by advisor		12
7. Professional Education		6
EDF 218, 270 and 319	6	
8. PSY 201		3
7. PE 490 CAPSTONE		3
C. Pre-Professional Skills Test (PPST) prior to admission or special ACT score		
D. Admission to Teacher Education (see page 139)		
E. National Teacher Exam or NATA BOC Certification Test		
F. Admission to Athletic Training (GPA 2.5)		
1. Enrollment in the College of Education and Human Services.		
2. Sophomore standing. Transfer students must be enrolled as full-time students.		
3. Grade Point Requirements.		
a. 2.5 GPA overall and on all coursework completed at Marshall.		
b. 2.5 GPA in professional education.		
c. 2.5 GPA in athletic training courses.		
4. A grade of C or better in ENG 101, 102, and CMM 103 or 305.		
5. A grade of C or better in EDF 218, HE 222, PE 201, and PE 215.		
6. Take and pass the PPST or appropriate ACT score.		

(continued)

7. Three letters of recommendation including one from a member of the Marshall University faculty.
 8. Submission of an application and resume by November 1 OR April 1.
 9. Interview by, and recommendation from, the Athletic Training Admissions Committee.
- G. Graduation Requirements for Athletic Training
1. A 2.5 GPA overall and on all coursework at Marshall.
 2. A 2.5 GPA overall in professional education with all course grades of "C" or better.
 3. A 2.5 GPA in athletic training courses with grades of "C" or better.
 4. Completion of PE 490 with a grade of "B" or better.
 5. Completion of a minimum of 950 clinical hours under the supervision of an approved certified athletic trainer. The clinic hours must include four semesters of at least 200 hours each and one semester of public school experience (PE 490).

Other Requirements

- I. 128 Minimum Semester Hours
- J. 45 Upper Division Hours
- K. Marshall Plan

COUNSELING

Courses in this category **MAY NOT** be completed under the credit/non-credit option.

The undergraduate Counseling Program at Marshall University is in the College of Education and Human Services (COEHS) and is one of the programs in the Division of Human Development and Allied Technology (HDAT). Counseling Program offices and classrooms are located in Harris Hall with a central office in Room 357. Program graduates are prepared for preprofessional service in community, residential, drug and alcohol, and other human service or mental health agencies. Students are also prepared to begin additional study for advanced professional degrees in Counseling and related helping disciplines. Students receive the Bachelor of Arts Degree and must complete graduate training in counseling before they are eligible for licensure as Licensed Professional Counselors or as certified public school counselors in West Virginia.

Students must satisfy the following requirements for admission:

- A. Pre-Admission Courses
COUN 306, 370
PHL 201
CMM 315
- B. Sophomore standing (minimum of 26 semester hours)
- C. Achieve at least a "B" grade in COUN 306 and COUN 370
- D. Achieve at least a 2.5 GPA for all courses through the previous semester
- E. Submit a writing sample in COUN 306

Students who satisfy the above minimum requirements must apply in the semester in

which they complete COUN 306 and COUN 370 by submitting an admission application form. Those who apply are required to participate in an on-campus screening interview before an admissions committee comprised of Counseling faculty and graduate assistants, University representatives, and community agency officials. Students who are not selected for admission cannot reapply for a period of one year and cannot enroll in COUN courses designated for "counseling majors only."

ALL Counseling majors must meet the following requirements:

A. General Requirements (see page 174)	40
B. Academic Core	24
COUN 306, 425, 474, 455	12
CMM 315	3
EDF 218	3
PHL 201	3
PSY 201	3
C. Applied Core (All Counseling majors are required to take these courses)	15-21
COUN 370, 430, 470	9
COUN 490 (CAPSTONE)	6-12
D. Supportive Requirements	9
(Select 9 hours from this group or other departmental offerings with advisor's approval)	
COUN 445, 454, 456, 475, 476, 477, 497	
E. Electives (to meet the minimum required 128 hours for graduation)	
F. 45 Upper Division Hours	
G. Overall 2.5 GPA for graduation	
H. Marshall Plan	

Minor in Counseling

A minor is available in counseling by selecting 12 hours at the 300-level with the permission of the counseling faculty.

FAMILY AND CONSUMER SCIENCES

Courses in this category MAY NOT be completed under the credit/non-credit option
 The Family and Consumer Sciences Program offers three areas of emphasis for students: Family and Child Development, Fashion Merchandising, and Food and Nutrition.

A. General Requirements (see page 174)	40
B. Family and Consumer Sciences Core Requirements	13
FCS 201, 306, 358, 415, 444	
C. Supporting Requirements	18
ECN 200	3

(continued)

LE 207	3
ACC 410	3
MGT 320, 424	6
MKT 340	3
D. FCS 471, 472 (CAPSTONE)	6
E. Area of Emphasis (Choose one)	33-47
1. Family and Child Development	33
FCS 202, 203, 210, 303, 351, 354, 401, 416, 432, 435, 440	
This option studies the development and functioning of family systems, and delivery of the support services needed by families for successful family life and child rearing, preparing students for work with child care programs, resource and referral services, family resource networks, etc.	
2. Fashion Merchandising	47
FCS 112, 160, 212, 259, 314, 349, 354, 359, 414, 417, 459	33
ART 214	3
MKT 344	3
CHM 203, 204, 215	8
This option studies fashion retailing, preparing students for positions in entry and mid-level management in fashion retail stores.	
3. Food and Nutrition	45
FCS 202, 203, 210, 303, 359, 401, 402, 405, 407, 410, 440	33
BSC 104, 105, 250—Biological sciences	12
This option studies the role of food in the nutritional, social, and economic lives of families and food service in homes and institu- tions, preparing students for positions in a variety of food service settings and in family support agencies with nutritional services.	
F. Electives (to meet the minimum required 128 hours for graduation).	
G. 45 Upper Division Hours	
H. Marshall Plan	

Minor

A minor is available in Family and Consumer Sciences as follows:

FCS 358, 415	6
Two additional FCS courses from <i>one</i> of the following areas:	6
Family and Child Development, Fashion Merchandising or Food and Nutrition	

PARK RESOURCES AND LEISURE SERVICES

Courses in this category MAY NOT be completed under the credit/non-credit option.

This is a non-teaching interdisciplinary program in Park Resources and Leisure Services leading to the Bachelor of Science degree. The program is accredited by the National Recreation and Park Association in conjunction with the American Alliance of Leisure and Recreation. The Park Resources and Leisure Services curriculum is a professional program; however, students who wish to follow a more specific program may select a recommended series of courses which are designed to prepare graduates for entry level employment in one or more of the following emphasis areas:

- (1) **PARKS and CONSERVATION** - Prepares graduates for employment in federal, state, local and commercial organizations whose responsibilities include the planning and management of natural resources for recreational use by the American people. Employment opportunities include national, state, and regional parks; national forests; Corps of Engineers' projects; outdoor education and environmental centers; commercial parks, zoological and botanical parks, and others.
- (2) **LEISURE SERVICES (PUBLIC RECREATION)** - This emphasis area prepares graduates for employment with organizations whose principal mission is the delivery of recreation programs and services. These organizations include public recreation departments, youth-serving organizations, commercial and industrial agencies, and social-serving agencies.
- (3) **THERAPEUTIC RECREATION** - Graduates having an emphasis in this area may seek employment with organizations whose responsibility includes the delivery of recreation therapy to the ill, mentally and physically challenged, elderly, and disadvantaged.

A. General Requirements (see page 174) 40
 (Some hours in this specialization may be used as General Studies requirements)

B. Professional Preparation Requirements

(All Park Resources and Leisure Services Majors are required to take these courses.)

1. Park and Recreation Courses (PLS)	42
PLS 101, 120, 210/270, 230, 301, 401, 402, 410, 411	30
PLS 490 Internship CAPSTONE	12
Internship Prerequisites: Senior standing, minimum 2.0 GPA, and not more than 18 hours remaining before graduation.	
2. Interdisciplinary Courses	12
CMM 315	3
HE 222	3
MGT 320	3
MGT 424 (PR MGT 320 or permission)	3

C. Specialized Courses 20

Select a minimum of 20 hours from the following list of courses. Students wishing to concentrate on courses in the Parks and Conservation, Leisure Services (Public Recreation), or Therapeutic Recreation emphasis areas will be counseled accordingly by their faculty advisors.

PLS 201, 220 (CR: 271), 231, 320, 330, 350, 400, 421, 422, 430,
 431, 480-483, 485-488

(continued)

- BSC 405, 416 and 460
- CJ 211
- COUN 306 (CR: 370), 261, 320, 470
- GEO 320, 414, 416, 429, and 430
- JMC 330
- MTH 225
- OT 151
- PE 295, 365, and 435
- PSY 311, 312, 408
- SOC 200, 311, 435, 440, 452

D. Restricted Electives (to meet the minimum required 128 hours for graduation)
 Restricted electives must be approved by advisor.

Other Requirements:

- E. 128 Minimum Semester Hours
- F. 45 Upper Division Hours
- G. Marshall Plan

Minor in Park Resources and Leisure Services

Students who wish to pursue a minor in Park Resources and Leisure Services may do so by successfully completing the following courses:

- PLS 101, 201, 301 9
- Two courses from the following: 6-7
- PLS 320, 350, 402, 410, 411, 422

SAFETY TECHNOLOGY

Courses in this category MAY NOT be completed under the credit/non-credit option.

The Bachelor of Science degree in Safety Technology offers students the option of preparing for entry level positions in industry, governmental agencies, and related service industries. The need for Safety Professionals has expanded due to Federal and State legislation governing safety and health in the workplace and an increase in public awareness of safety and health factors. The program follows the recommendations of the American Society of Safety Engineers for preparation of Safety Professionals. The non-teaching program allows students to prepare for professional safety positions in either of the two optional emphases: (1) Mining, (2) Occupational Safety.

Students will be admitted to the program at the end of their sophomore year (60 hours of acceptable credit). Each student in the program will be expected to maintain a 2.5 GPA after admission into the program (2.5 GPA must be maintained in overall courses and specialization). An internship offered in cooperation with local industry and governmental agencies will be required as part of the regular course of study.

- A. General Requirements (see page 174) 40
 (Some hours in this specialization may be used as General Studies requirements)
(continued)

B. Basic Studies	44
CHM 211, 217, 212,218	10
EG 107	2
EM 213, 214	6
MGT 100	3
MTH 130, MTH 140	6
Choose one: MTH 225, PSY 223, EDF 417	3
PE 201	3
PHY 201, 202, 203, 204	8
PSY 201	3
C. Professional Safety Core	32
SED 235, 340, 372, 373, 373L, 454, 454L, 475	
489, 498, 499, 490 (CAPSTONE)	
D. OPTIONS: Student must choose ONE of the following	12
1. Occupational Safety Option (select 12 hours)	
SED 375, 378, 465, 497, 480-483, 485-488, 491-494	
2. Mining Safety Option (select 12 hours)	
MSF 410, 411, 412, 413, 480-483, 485-488, 490	
<i>Other Requirements:</i>	
E. Electives. (To meet the minimum requirement of 128 hours for graduation)	
F. 128 Minimum Semester Hours	
G. 45 Upper Division Hours	
H. Marshall Plan	

SPORTS MANAGEMENT AND MARKETING

Courses in this category MAY NOT be completed under the credit/non-credit option.

The Physical Education Program of the Division of Health, Physical Education, and Recreation, located in the College of Education and Human Services offers comprehensive interdisciplinary human services option in physical education which affords students the possibility for emphasis in Sports Management and Marketing, leading to a Bachelor of Arts degree.

A. General Requirements (see page 174)	40
(Two hours HPER activity course hours will count as General Studies Requirements)	
B. Required HPER Classes	21
PE 118, 201, 218, 345, 475	15
PE 290 PRACTICUM	3
PLS 411	3
C. HPER Elective Classes (Select 15 hours from the following)	15

(continued)

PE 215, 321, 401, 425, 430, 435, 476	
PLS 320, 401, 402, 421	
D. HPER (PE/PLS) Activity Classes	6
Select any 6 activity classes (2 hours satisfy General Studies requirements)	
E. Business/Journalism Requirements	18
ACC 410	3
ECN 200	3
JMC 330	3
MGT 218, 320	6
MKT 340	3
F. Students must choose any 6 hours from one of the following specialized tracks	6
1. MARKETING/SPORTING GOODS RETAIL	
MGT 360, 422, 424	
MKT 341, 344, 437, 440, 442	
2. MEDIA/COMMUNICATION/PUBLIC RELATIONS	
JMC 382, 383	
MGT 422	
MKT 341, 437, 442	
3. OPERATIONS/FACILITIES MANAGEMENT	
MGT 420, 422, 423, 424	
MKT 350, 440, 442	
Students choosing MGT 420 should have reasonable background in MATH.	
G. Internship	38
PE 490 CAPSTONE	
H. General Electives (to meet the minimum required 128 hours for graduation)	
<i>Other Requirements:</i>	
I. 128 Minimum Semester Hours	
J. 45 Upper Division Hours	
K. Marshall Plan	

Minor in Sport Studies

A minor is available in Sport Studies as follows:

Required courses	9
PE 118, 218, 430	
Select two courses from the following:	6
PE 401, 425, 475, 476	



College of Fine Arts

Mr. Donald Van Horn, Dean
Dr. Larry Stickler, Assistant Dean

Department of Art
Dr. Robert Lemon, Chair
<http://www.marshall.edu/art>

Professors

Allen, Cornfeld, Lemon, Rowe, Sporny, Van Horn

Associate Professors

Grassell, Jackson, Marchant, Massing, Power

Department of Music
Dr. Marshall P. Onofrio, Chair (*onofrio@marshall.edu*)
<http://www.marshall.edu/music>

Professors

Balshaw, Bingham, Castleberry, W. Dobbs, Lemke, Mead, Miller, Onofrio, Petteys, Smith, Williams

Associate Professors

L. Dobbs, Ratliff, Stickler, Welch, Whitehead

Assistant Professors

Allemeier, Hall, Kaiser, Tephly

Department of Theatre
<http://www.marshall.edu/theatre>

Professor

Murphy

Associate Professors

Anthony, St. Germain

Assistant Professor

Colclough

In April 1984, the West Virginia Board of Regents formally approved the establishment of the College of Fine Arts at Marshall University, effective with the beginning of the fall semester 1984. The college includes the academic departments of art, music, and theatre, and the Marshall Artists Series.

MISSION OF THE COLLEGE

The fine arts are aesthetic responses to human nature and experience. They celebrate the best of human endeavor. They contribute to the individual and to society by reflecting and projecting values which shape every culture. They proceed from creation to experience and provide both the artist and audience with deeper understanding of traditions of human existence and thought. Thus, the fine arts are essential to education.

Consistent with the goals and purposes of education at Marshall University, the College of Fine Arts is dedicated to the transmission, application, and advancement of knowledge in the arts. The specific goals of the College of Fine Arts are:

1. To educate and train those seeking professions in the fine arts;
2. To support the university's general academic curricula by providing courses which stimulate understanding of and response to the fine arts;
3. To present regular, varied programs for the enrichment of students and the community; and
4. To provide leadership in the fine arts, and to promote them through service and programs.

PROGRAMS OF THE COLLEGE

Education in the fine arts is the central responsibility of the College of Fine Arts and provides the source of other collegiate activities. The combination of liberal education and a rigorous program for the development of artistic skills is necessary for students in each area of the fine arts. The educated professional in any facet of the arts must rely upon intellectual, creative, and critical abilities. These must be accompanied by discipline and sensitivity to insure independent growth and learning.

The curricula of the College of Fine Arts are designed to certify that, upon graduation, students of fine arts have completed a program which leads to development of the ability:

1. To master techniques necessary for performance in the fine arts or practice of an artistic discipline;
2. To express ideas effectively in speaking and writing;
3. To perceive, investigate, and solve problems through critical thinking, analysis, active imagination, and the application of appropriate research methods;
4. To acquire and interpret information and to form standards for the evaluation and appreciation of their cultural heritage and that of others; and
5. To understand the continuing evolution of their art form, its relationship to the other arts, and the place of arts in society and culture.

The College of Fine Arts offers undergraduate programs leading to the Bachelor of Fine Arts Degree (B.F.A.) with majors in music, theatre, and the visual arts. Programs leading to the Bachelor of Arts degree in Education with majors in art and music education certifying teachers for West Virginia public schools are listed under the College of Education and Human Services in this catalog. Graduate programs leading to the Master of Arts (M.A.) degree in art and music may be found in the *Graduate Catalog*.

All university students are encouraged to participate in courses and activities of the College of Fine Arts. Students wishing to develop or advance their artistic skills are welcome to enroll in studio or applied courses and to join the various arts organizations. Students who desire a minor in the arts should refer to the departmental listings for the sequence of courses in each program.

Through the College of Fine Arts, Marshall University enriches the campus and regional community with many performances, exhibitions, lectures, and special presentations. The programs of the Marshall Artists Series, including the Baxter Series, Mount Series, Belanger Series and International Film Festival and special events throughout the year, present world-class artists and organizations. Exhibitions in the Birke Art Gallery are open to all students. The Department of Music presents many recitals and concerts by its faculty, students, and ensembles in addition to programs featuring guest artists. Throughout the academic year and during the summer sessions, the Marshall University Theatre provides many major dramatic productions. Students are cordially welcomed to all events and are urged to explore the excitement, enrichment, and entertainment offered by the College of Fine Arts.

Additionally, the college offers arts experiences to community students of all ages through a variety of programs: Art Opportunity in the Department of Art, Music Preparatory Division in the Department of Music; and Theatre Prep and Dance Prep in the Department of Theatre.

THE BACHELOR OF FINE ARTS DEGREE

The degree offered by the College of Fine Arts is the Bachelor of Fine Arts (B.F.A.). This is a professional degree designed to prepare students for two future objectives: (1) career entry as professionals in their chosen artistic discipline; and/or (2) further professional study on the graduate level in their chosen field.

Students enrolled in the B.F.A. degree program will select one of three majors: music, theatre, or visual arts. Within each major, students are further required to select a major area of emphasis, allowing specialization in a specific artistic medium. The approved majors and areas of emphasis are as follows:

MUSIC MAJOR: Areas of Emphasis

- Music Performance
- Music Theory and Composition

THEATRE MAJOR: Areas of Emphasis

- Acting/Directing
- Design/Theatre Technology

VISUAL ARTS MAJOR: Areas of Emphasis

- Crafts (Ceramics, Jewelry, Weaving)
- Graphic Design

(continued)

- Painting
- Photography
- Printmaking
- Sculpture

Students should contact the department chairperson for information pertaining to each of the majors and areas of emphasis and to determine special admission requirements for each potential sequence. In unusual circumstances, students may enter the B.F.A. program as undecided majors upon the recommendation of the dean or department chairperson.

Curricular Structure

The Bachelor of Fine Arts degree program, designed to parallel professional degree programs in the arts in United States higher education, has three distinct components:

General Distributional Requirements	47 credit hours
Majors and Area of Emphasis Requirements	82 credit hours
Free Electives	9 credit hours
Total Required for Graduation	138 credit hours

Distributional Requirements for the B.F.A. degree

English Composition: ENG 101, 102, or 201H	6 credits
Communication Studies: CMM 103 or 104H	3 credits

Students who have had a high school speech course and who pass a proficiency exam administered by the Speech Department may have this requirement waived at the discretion of the Speech Department, and the number of credits required for graduation reduced by three.

Foreign Language	12 credits
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Successful completion of 12-hour sequence ending with French 204, German 204, Greek 302, Latin 204, or Spanish 204. Students who have had coursework in foreign languages may receive advanced standing depending upon their proficiency and may have the total number of foreign language credits required reduced.

Humanities	6 credits
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Selected from:

Classics

English (300 or 400 level literature courses)

Modern Languages (Literary or cultural courses beyond the language requirements listed above)

Philosophy (except 304 or 453)

Religious Studies

Social Sciences	9 credits
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Courses from at least two of the following categories:

A. Economics or Political Science

B. Psychology or Anthropology/Sociology

(continued)

C. Geography (except GEO 101) or History

Natural Sciences and Mathematics 11 credits

Must include Math 121 or higher (3 hours), at least one Integrated Sciences course (ISC: 4 hours). Additional courses to make up the requirement can be selected from the following areas:

- Biological Science
- Chemistry
- Computer Science
- Geography 101
- Geology
- Mathematics (excepting developmental courses)
- Philosophy 304 or 453
- Physical Science 109, 109L, 110, 110L
- Physics

Students eligible for speech and/or foreign language waivers must conform to the university policy of a minimum of 128 hours required for baccalaureate graduation.

UNIVERSITY BACCALAUREATE INITIATIVES

Students in the B.F.A. degree program are responsible for meeting the requirements of the five baccalaureate program initiatives approved by the faculty and the university president for all students. These initiatives are Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, Integrated Science and Mathematics, and the Capstone Experience. Students in the College of Fine Arts are to consult with their program advisor or the chairperson of their major department for guidance in determining the specific details of meeting the above-referenced baccalaureate curricular initiatives.

FREE ELECTIVES

Depending upon the specific courses taken to fulfill the distributional requirements of the college, students will need to complete nine to twelve (9-12) credit hours of free electives as a requirement for graduation. In choosing these electives, students are encouraged to explore courses which may provide information and experience helpful to their artistic development and professional future. Any university course may be used to satisfy this requirement.

GENERAL ACADEMIC REQUIREMENTS

Students are required to complete all coursework in their respective majors with a minimum grade of *C*. Course grades of *D* and *F* are not counted toward graduation requirements, and must be replaced with at least a grade of *C* before graduation or before

using that course as a prerequisite for another required course.

Candidates for graduation must have a quality point average of 2.0 or higher in all work attempted at Marshall University.

Forty-eight (48) credit hours must be earned in courses numbered 300-499 in all majors and areas of emphasis of the program.

Candidates for the B.F.A. degree must earn a minimum of 82 credit hours in the major and areas of emphasis.

No courses in the specific distributional and major requirements for graduation in the College of Fine Arts may be taken Credit/Non-Credit.

Minors in Fine Arts

The Bachelor of Fine Arts degree program does not require a minor. However, students wishing to earn a minor may do so by completing the stated minor requirements in any department or discipline of the university.

Students not majoring in programs of the College of Fine Arts who wish to complete a minor in a fine arts discipline should consult the appropriate chair.

BFA Degree Program Combined with Master of Arts in Teaching (M.A.T. Degree Program)

As an alternate to programs leading to teacher certification in Art 5-12 and K-12 and Music K-12 for the State of West Virginia, students may elect to pursue a program of study leading to completion and award of the B.F.A. degree followed by completion and award of the Master of Arts degree in Teaching. Upon successful completion of the Master of Arts in Teaching, including all requirements for the West Virginia Department of Education Teacher Certification, students would then be recommended by the College of Education and Human Services to be certified as art or music teachers.

It is highly desirable that students who intend a career in teaching have appropriate content-based pedagogy experience. During the time that the student is pursuing the B.F.A. degree, he or she should work closely with the advisor and specifically should seek to include (as allowed by the B.F.A. program's electives or by judicious course substitution) the following undergraduate courses as preparation for entrance into the M.A.T. Specific courses for potential art or music teachers to be added to the B.F.A. would be:

Art Education: ART 113, 340, 460, 350

Music Education: MUS 320 or 321 (choose 1); MUS 338, 339, 340, 415

Vocal majors: MUS 261, 262, 263, 264; instrumental ensemble or MUS 177

Instrumental majors: MUS 261, 262, 263, 264 (choose 3); MUS 312, 313

For further information on the alternative combination of the BFA/MAT Program, please contact the chairman of either the Department of Art or the Department of Music, or the coordinators of art or music education in the respective departments.

Double Area of Emphasis

In unusual circumstances, outstanding students may wish to pursue two areas of emphasis within a departmental major in the B.F.A. degree program. This is not to be considered as a second baccalaureate degree. The student must complete all specific requirements for both desired areas of emphasis, must be recommended for double areas of emphasis by the faculty of the specific areas, and must be approved by the department chairperson and the dean of the college.

MANDATORY ADVISING POLICY FOR FINE ARTS STUDENTS

Successful progress in professional curricula offered by the College of Fine Arts requires careful attention to course sequence and course prerequisites. Therefore, the College of Fine Arts has adopted a mandatory student advising program. Each student will be assigned a faculty advisor in the student's area of interest, who will provide academic advice and guidance in the student registration process. Prior to enrolling for classes, each student in the College of Fine Arts will consult with his or her advisor and secure the advisor's approval of his or her schedule as evidenced by the advisor's stamp and signature. A student who has not been assigned an advisor or who has questions about the assignment of advisor should contact the dean of the College of Fine Arts or the department chairman of the appropriate department.

DEPARTMENT OF ART

Students desiring to enter the Bachelor of Fine Arts degree program with a visual arts major are urged to contact the Department of Art prior to enrollment. A formal review of prior work in a portfolio is not required, but students are advised to bring examples of their work to the initial conference.

Candidates for the Bachelor of Fine Arts degree (B.F.A.) with the major in visual arts are required to complete eighty-two (82) hours of credit in art courses, including the core curriculum (58 hours), and a major area of emphasis (24 hours). Majors must also satisfy the following departmental requirements:

1. All art majors must successfully complete six (6) semesters of Art 200.
2. In the second semester students must exhibit a portfolio of work done in the freshman courses for review by the faculty of art. Students must register for ART 299. Included will be work done in ART 203, 214, 215, 217, and 218. Students not approved in the freshman review are required to repeat lower-level work and will be given one more opportunity during their sophomore year to successfully pass the review. Should a student fail the second review the student will be asked to find a major outside the Department of Art. Transfers within Marshall University will have two semesters to complete the same courses listed above and participate in the same review. Transfers from art departments outside Marshall University will be required to complete the review in the first semester the student participates in our department. This student also has only one additional attempt to successfully complete the review. Successful completion of the freshman review is required prior to enrollment in advanced courses in art. Art majors must take the classes listed above before any other advanced art classes.
3. Students enrolled in the Department of Art must complete all work in the major with a minimum grade of *C*. A student who receives a *D* or *F* in an art course counted toward graduation must repeat it and earn at least a *C* before graduation or before using that course as a prerequisite for another required course.
4. A successful exhibition of creative work must be presented by all students during the senior year as a requirement for graduation (ART 499).

Major and Area of Emphasis Requirements in Art

Art Core Curriculum	58 credit hours
Music 142 or Theatre 112	
Art 203, 214, 215, 217, 218, 219, 255, 256, 301, 305 or 306 or 308, 307, 315, 390, 401, 402, 403 or 404 or 405 or 407 or 408 or 409 or 414, 412 or 413, 406, 418, 499.	

Areas of Emphasis in Visual Arts	24
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Students are required to select one of these areas of emphasis and to complete 24 credit hours. Specific courses to be included in each areas of emphasis are as follows:

Crafts: Students may specialize in one of three areas as follows:

 Ceramics: Art 343, 344, 345, 446, 447, 448, 449, 451

 Jewelry: Art 304, 306, 311, 326

 Weaving: Art 419, 420, 421, 422, 450

Graphic Design

 Art 312, 314, 316, 317, 440, 490

 and six additional hours selected from 441, 445, 452, 453, 454

Painting

 Art 350, 351, 355, 360, 455, 456, 458

Printmaking

 Art 302, 320, 444, 463, 465

Photography

 Art 323, 324, 325, 423, 440 or JMC 400,

 JMC 432, or Art 453, 426, 427

Sculpture

 Art 309, 331, 332, 333, 369, 417, 442, 443

To complete the total of 24 hours in each areas of emphasis, students use credits from Advanced Studio Sequence courses, Art 475-476-477-478-479, which are applicable to any studio and which may be repeated for additional credit with the approval of the chairperson.

Art Education

In addition to the B.F.A. degree in visual arts, the Department of Art offers the Bachelor of Arts with teaching specializations for grades K-12 and 5-12. This program is described under the College of Education and Human Services and is designed to prepare the student for West Virginia public school certification in art.

Minors in Art

A minor in the Department of Art consists of a minimum of 18 credit hours. A minor must be completed either in Art History or in Studio Art.

(continued)

A minor in Art History requires Art History Survey, Art 401-402, and four additional courses in art history at an advanced level.

A minor in Studio Art required two courses selected from foundation classes, Art 203, 214, 215, 217, and 218, and four courses in an Art Studio concentration (ceramics, graphic design, painting, photography, printmaking, sculpture, and weaving).

All coursework must be selected in consultation with the art faculty member responsible for that concentration. That faculty member serves as advisor.

DEPARTMENT OF MUSIC

The Marshall University Department of Music is a fully accredited institutional member of the National Association of Schools of Music. The department offers two programs of study at the undergraduate level. The Bachelor of Arts degree with a specialization in music leads to K-12 certification in West Virginia. Requirements for this program are described under the College of Education and Human Services.

The Bachelor of Fine Arts degree in music is designed to prepare students for entry into professional musical careers or graduate school. The graduate program leading to the Master of Arts degree in music performance, education, or history may be found in the *Graduate Catalog*.

The Department of Music also offers a minor in music. Students majoring in a discipline other than music should consult the department chair to apply for admission to the program.

In addition to this catalog, detailed information regarding departmental policies and procedures and specific requirements for applied music and ensemble participation can be found in the *Music Student Handbook* issued by the Department of Music.

Students desiring entry into either undergraduate program must be formally admitted to the Department of Music. This admittance is based upon an audition in the student's major performance area (instrument or voice) and an interview with the area faculty. Students desiring to enter the theory/composition area of emphasis should be prepared to show evidence of music theory study and/or compositions. Students should contact the Department of Music office to arrange for an audition and interview.

All coursework in the music major must be completed with a grade of *C* or above. A course with a grade of *D* or *F* must be repeated with a least a grade of *C* to count for graduation or be used as a prerequisite for another required course. All music majors are required to pass a piano proficiency examination as a requirement for graduation.

A total of 138 credit hours are required for the B.F.A. degree in music. In addition to university and college requirements listed under the College of Fine Arts, candidates for the B.F.A. in music must complete 82 credit hours of study in music, divided into the core curriculum of 49 credit hours and 33 credit hours devoted one of two areas of emphasis.

Upon completion of the fourth semester (100-D level) of applied music study on the principal instrument, students must pass a sophomore hearing for promotion to upper-division (300-A level) applied music study on the principal instrument.

Major and Area of Emphasis Requirements in Music

Music Core Curriculum 49

Art 112 or Theatre 112

(continued)

Music 100, 115, 116, 121, 215, 216, 301, 315, 422, 423, 425;

Eight (8) credit hours of major applied music study on the principal instrument(100 level);

Four (4) credit hours of principal ensemble relating directly to the principal applied area (full-time music students are required to participate in ensembles in each semester of residence).

Non-keyboard majors: four (4) credit hours of secondary piano study, in either class or individual setting.

Keyboard majors: four (4) credit hours of applied study on a secondary instrument.

Eight (8) semesters of non-credit applied music workshop (MUS 100) are required for the music option.

Area of Emphasis (select one) 33

Performance (in addition to the Music Core Curriculum)

Music 302, 304, 401, 499.

Eight (8) additional credit hours of applied study on the principal instrument (300 level).

Four (4) additional credit hours of ensemble electives (full-time music students are required to participate in ensembles in each semester of residence).

Twelve (12) credit hours of directed music electives relating to the student's major performance area. Within these electives, students are expected to study specialized repertoire, techniques, and performance problems in their major applied area. Voice majors will be required to complete MUS 222, 224, 428, and 429 as part of these directed electives. Electives should be chosen in consultation with the student's departmental advisor.

In addition to the formal coursework in this area of emphasis, a junior recital (half-hour shared program) is required for graduation.

Music Theory and Composition (in addition to the music core curriculum)

Music 302, 304, 401, 430, 431, 432, 433, 498

Two (2) additional credit hours of applied study on the principal instrument (300 level)

Four (4) additional credit hours of ensemble electives (full-time music students are required to participate in ensembles in each semester of residence).

Eight (8) credit hours of directed music electives relating to the theory and performance area. Electives should be chosen in consultation with the departmental advisor.

Minor in Music 16

Music Core Curriculum

12

Music 115, 121.

Four (4) credit hours of applied study on the principal instrument.

(continued)

Two (2) credit hours of ensemble electives.

Electives

4

(Electives to be chosen in consultation with the department chair.)

APPLIED MUSIC

Principal Instrument

Following the entrance audition, and upon the recommendation of the area faculty, acceptance into the music major or minor will be given by the department chair. The student's principal instrument will be the one on which he/she performed the entrance audition.

Applied music lessons on the principal instrument include one hour of lesson time per week, with two hours of daily preparation expected. Applied music students are not permitted to drop lessons during the course of a term without specific permission from the department chair. This permission is granted only for extraordinary reasons in exceptional cases. Registration for all applied music study requires the permission of the Department of Music office.

1. All students pursuing the B.A. degree in music education are required to complete 12 credit hours of study on the principal instrument — 6 hours of lower division and 6 hours of upper division.
2. All students pursuing the B.F.A. degree in performance must complete 16 credit hours of study on the principal instrument — 8 hours of lower division and 8 hours of upper division.
3. All students pursuing the B.F.A. degree in theory/composition must complete 10 credit hours of study on the principal instrument — 8 hours of lower division and 2 hours of upper division. In addition, students must complete four semesters of applied composition (MUS 430, 431, 432, 433).
4. All students pursuing the music minor must complete 4 credit hours of study on the principal applied instrument. Continuation of applied study beyond these credits shall occur after consultation with the applied studio teacher.
5. Each applied music student must be approved through jury examination at the end of each semester before registering for the next level of study on the principal instrument. At the end of the fourth semester, students must complete the sophomore hearing before upper division (5th semester) applied music study may be started. Students not approved for advancement will be required to repeat lower level work until successfully completing the sophomore hearing.
6. Performance on the principal instrument is required at least once each semester on weekly daytime recitals held for this purpose. First semester music education majors may be exempted from student recital performance during the first semester of study at the discretion of the studio teacher. Seniors must give a recital as part of the requirements for graduation. Approval to plan this recital must be obtained during the jury examination preceding the recital semester. During the senior recital semester, students co-register for applied study on the principal instrument and the capstone course (MUS 498 or 499).

Secondary Piano

All music majors are required to pass a piano proficiency examination as part of the degree requirements. Typically, this examination is completed during the semester in which the student is enrolled in the fourth level of class piano (MUS 179D). Students may be required to repeat piano study until all proficiency requirements are met. In addition to the piano proficiency skills requirement, all undergraduate music majors whose principal instrument is not keyboard must complete a minimum of 4 hours of piano instruction, to be taken in class or individual study as determined by the piano faculty. Keyboard majors must complete 4 credit hours of instruction on a secondary instrument.

Elective Study

Students may elect applied music study on a secondary instrument, upon the approval of the department chair and the studio teacher, and receive one credit hour per semester. Elective lessons provide one half-hour lesson per week and require one hour of daily preparation. These lessons are permitted on a first come, first served basis according to availability. In piano, voice, and guitar, special beginning classes are listed in the Schedule of Classes.

CAPSTONE EXPERIENCE

Performance Capstone (MUS 499)

All performance majors must appear in a performance capstone approved by the music faculty as a requirement for graduation. Students may not register for the Capstone Experience prior to registering for the 300D level of study on the principal applied instrument.

Composition Capstone (MUS 498)

All composition majors must appear in a composition capstone approved by the music faculty as a requirement for graduation. Students may not register for the Capstone Experience prior to registering for Advanced Composition II (MUS 433).

ENSEMBLES

Students participate in ensembles that are varied both in size and nature and chosen from those appropriate to the area of specialization. With the approval of the ensemble conductor and the academic advisor, a student may enroll in more than one ensemble in a semester. Enrollment in all ensembles except the University Chorus and the Choral Union require the permission of the instructor. The actual number of clock hours per week of rehearsal may vary depending on the ensemble. All ensembles receive one semester hour credit.

Principal and Secondary Ensembles

The principal ensembles are Chamber Choir, University Chorus, University Symphony Orchestra, Symphonic Band, Wind Symphony, and Marching Band. Secondary ensembles are Choral Union, Opera Workshop, University Singers, Jazz Ensemble, Pep Band, and Chamber Ensembles (Brass, Woodwind, Percussion, String, and Collegium Musicum).

Ensemble Requirements

B.A. - Music Education. Seven semester hours (four lower division and three upper division) in a principal concert ensemble are required for all majors. These must be earned in seven different semesters. Wind Symphony (audition required) or Symphonic Band and Marching Band are corequisites for wind and percussion performers during fall semester. String performers must complete four semester hours of String Ensemble or Chamber Music. Upon approval of the applied teacher, guitar and keyboard performers may substitute up to 2 semesters of an appropriate chamber ensemble for two semesters of a major ensemble.

B.F.A. - all programs. Eight semester hours (four lower division and four upper division) in a principal concert ensemble are required for all majors. These must be earned in eight different semesters. Although not required to do so, wind and percussion performers are encouraged to participate in the Marching Band (fall semester only). String performers must complete four semester hours of String Ensemble or Chamber Music.

DEPARTMENT OF THEATRE

Students desiring to enroll as majors in the Bachelor of Fine Arts degree with a theatre major should contact the Department of Theatre prior to registration for requirements and sequences. At the initial meeting, the area of emphasis will be selected and students may plan the scheduling of classes to insure completion of all departmental and collegiate requirements.

Candidates for the Bachelor of Fine Arts degree, theatre major, must successfully complete eighty-two (82) credit hours of coursework in theatre and related disciplines in addition to the general distributional requirements and free electives. The theatre courses are divided into the core curriculum of fifty-two (52) hours and the student's choice of areas of emphasis with thirty (30) hours. Majors must also satisfy the following departmental requirements:

1. All theatre majors must complete all work in the major with a minimum grade of *C*. A student who receives a *D* or an *F* in a theatre course must repeat it and earn at least a *C* before graduation or before using that course as a prerequisite.
2. All theatre majors must pass a sophomore review in the spring semester of their sophomore year. Failure to pass the sophomore review (which is composed of a written test and either a portfolio review [for the design/technology emphasis] or an audition [for the acting/directing emphasis]) will prevent students from enrolling in 400-level courses in the department. Students will have three opportunities to pass the sophomore review.

In addition to formal coursework, the department provides laboratory experience through departmental productions during the academic year and the summer.

Major and Area of Emphasis Requirements in Theatre

Theatre Core Curriculum	52
Art 112 or Music 142	

(continued)

Theatre 101, 150, 151, 152, 220, 221, 222,
250, 255, 350, 360, 437, 440, 441, 499
and eight hours of theatre practicum (THE 270 and THE 370).

Areas of Emphasis in Theatre 30

Students are required to select one of these areas of emphasis and to complete 30 credit hours. Specific courses to be included in each areas of emphasis are as follows:

Acting/Directing

Theatre 230, 320, 325, 410, 420, 421, 423, 438 and six (6) hours of electives.

Design/Technology

Theatre 260, 261, 355, 356, 361, 362, 450, 460 and six (6) hours of electives.

Minor Requirements in Theatre (Design/Technology)

THE 150, Introduction to Technical Theatre 3 hrs.

THE 151 or 152, Teach. Theatre Lab. 1 hr.

THE 260, Drafting and Rendering 3 hrs.

THE 350, Stage Lighting I 3 hrs.

or THE 360, Scene Design I

THE 355, Costume Design 3 hrs.

or THE 450, Stage Lighting II or THE 460, Scene Design II

Total for Minor 13 hrs.



College of Liberal Arts

Dr. Joan Tyler Mead, Dean
Dr. Donna J. Spindel, Associate Dean

<http://www.marshall.edu/cola/>
cola@marshall.edu

MISSION OF THE COLLEGE

The mission of the College of Liberal Arts, in keeping with the mission of the university, is threefold: transmitting knowledge, advancing knowledge, and applying knowledge. Instruction, scholarship, and service, although constituting distinct activities, nevertheless should be viewed as parts of a whole. The bond uniting these functions is the dimension common to them all: a liberal education is the backbone of all university functions.

The primary goal of a liberal education should be to develop the individual's intellectual and moral faculties. By developing knowledge, confidence, and discipline, the individual should continue to learn both formally and independently and become a more autonomous, sensitive, and productive member of society. Upon graduation, therefore, the properly educated college student should have mastered the following necessary skills and be able (1) to think logically, critically, and creatively, and recognize this ability in others; (2) to communicate ideas clearly and effectively both in speaking and writing; (3) to form standards for evaluating the influences that help to shape individuals, institutions, and societies; (4) to appreciate the values, achievements, and aesthetic contributions of past and present cultures; and (5) to perceive, investigate, and solve problems by enlisting the most appropriate historical, comparative, quantitative, and qualitative research methods available.

The liberal arts curriculum aids in the development of these skills by requiring evidence that the student has (a) the ability to use oral and written English well; (b) knowledge of at least one other language; (c) a knowledge of mathematics, including statistics; (d) an understanding of the content and methods of study of the natural sciences, the social sciences, and the humanities; and (e) proficiency in one discipline as a basis for the development of a profession or career.

DEGREE REQUIREMENTS

Students completing requirements in the College of Liberal Arts receive the Bachelor of Arts (B.A.) degree or a Bachelor of Science (B.S.) degree in Geography. Each degree

requires 128 hours of credit. Within the 128 credit hours, you must meet these requirements:

- Major requirements
- Minor requirements
- College core requirements
- Marshall Plan requirements

PROGRAMS

The College of Liberal Arts offers four-year degrees in these majors:

Basic Humanities

Classical Studies

Philosophy

Religious Studies

Classical Language Latin

Communication Studies

Criminal Justice*

Professional Career Studies

Legal Studies

Economics

English

Geography

History

Modern Languages

French

German

Spanish

Multidisciplinary Studies*

Political Science

Psychology*

Sociology

Anthropology

*These majors have entrance requirements. Check the department listing in this catalog.

ACADEMIC POLICIES

The college welcomes all students who intend to pursue a degree in a liberal arts discipline.

Choosing a Major

All students in the College of Liberal Arts must be enrolled in classes that satisfy the college core requirements and the requirements for their major in the College of Liberal Arts. If you do not know what field of study in Liberal Arts you want to pursue, you can

declare yourself **Undecided in Liberal Arts**. To declare a major just for the sake of having a major is unwise and unnecessary. However, if you are **Undecided** in the college, you must intend to select a major in Liberal Arts and should enroll in classes which satisfy core requirements in the college. You can select a major during your freshman or sophomore year, but the college asks juniors or seniors who have not chosen a major to transfer to another college which better meets their needs. You must always keep the college office informed about your selection of a major or your decision to remain **Undecided in Liberal Arts**. In either case, you should fill out a "Declaration of Major" form during Freshman Orientation or in the College of Liberal Arts office.

Changing Your Major or College

If you want to declare a major, change your major, or transfer to a different college, you should do this in the College of Liberal Arts office.

Determining Your Catalog

You must meet the catalog requirements in effect at the time you declare your major. You then have ten years in which to complete your program. If you do not meet graduation requirements in this ten year period, then you must meet the curriculum requirements of the catalog in effect at the date of graduation. If you decide to change your major in Liberal Arts or to transfer to another college, you are governed by the catalog in effect at the time of change.

Advising

The college requires all freshmen and sophomores to see their advisers (or the Academic Advising Center staff if they are **Undecided**) before they register each semester. This means that if you are a freshman or sophomore, a hold is placed on your registration and your adviser is the only person who can remove it. Some departments, such as Communication Studies and Political Science, have extended the advising requirement to all of their majors. Check your Department listing in this catalog to determine your exact advising requirements. Your adviser is one of your most important contacts on campus. This is a very good person to get to know. Your adviser will help you with advice and support when you have academic or career questions. During pre-registration, if you are subject to mandatory advising, you will need to bring your proposed schedule to your adviser for approval. Although you will see your adviser mostly during registration periods, all faculty advisers are available during office hours throughout the semester. You should take the initiative and arrange an appointment with your adviser at any time during the semester when you need advice or help.

General Requirements for Graduation

Candidates for graduation must have:

- a minimum of 128 credit hours;
- at least 26 hours in a major subject (see specific departmental requirements), no more than 6 of which may be selected from courses at the 100 level with the exception of History and Geography;
- at least 12 hours in a minor subject, no more than 3 of which may be from the 100 level; the minor subject can be chosen from any department in the university; all courses for a minor are offered in one department with the exception of the minor in

(continued)

Women's Studies (check the department listing in this catalog for specific requirements of the discipline in which you want to minor);

- 48 hours earned in courses numbered 300-499; courses transferred from two-year or community colleges or Advanced Placement credit cannot be used to satisfy the upper division requirement regardless of the MU course equivalent; courses taken at four-year accredited colleges transfer at the level at which they were taken; if you plan to transfer credit to Marshall you should first consult with the associate dean to determine if the credit will apply to your degree program;
- a quality point average of 2.0 or higher on all work attempted at Marshall University, overall collegiate work, and in the major (some departments have more stringent requirements);
- earned a grade of C or better in English 102 or 201H or 302. (See listing under "English Composition Requirement");
- met the requirements of the Marshall Plan (see listing under "Marshall Plan");
- met the residence requirements of Marshall University, including 15 hours in the major field and 12 hours of 300/400 level coursework in Liberal Arts (see listing under "Residence Requirements");
- be enrolled at Marshall at least one semester of the senior year;
- have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Credit/Non Credit

No course in the major (except CJ 490 and PSY 370), the minor, or in college core requirements may be taken Credit/Non Credit. Courses you can take Credit/Non Credit include developmental courses, electives, Advanced Placement courses, certain practica, and internships.

Credit Evaluation

During your junior year, and no later than the semester in which you have completed 80 semester hours, you should make an appointment with the Academic Adviser in the College Office for a credit evaluation. This evaluation will show you exactly what course requirements you have completed and exactly what requirements remain. The evaluation will also help ensure that you are making satisfactory progress towards graduation.

APPLY FOR GRADUATION IN THE COLLEGE OFFICE DURING THE FIRST WEEK OF THE SEMESTER IN WHICH YOU PLAN TO GRADUATE.

Academic Probation and Ineligibility

If you have a deficit of quality points in your Marshall or overall GPA you are classified "on academic probation." Quality point deficits accumulate as a result of excessive grades of D or F, causing your GPA to fall below a 2.0. If you are on academic probation, an *academic hold* is placed on your registration status. This means that you must register in person at the Registrar's Office; you cannot use telephone or web registration. You must also secure approval from the associate dean of the college before you can register or change your schedule in any way. Usually you will not be able to register for more than 13 semester hours. If you are on probation and are subject to mandatory advising, first bring your proposed schedule to your adviser. Once your advisor approves your schedule.

bring it to the College Office for approval by the associate dean. The associate dean will help you set goals for academic progress. One strategy is to repeat courses taken before the 60th attempted hour in which you received a *D* or *F*. (See "D/F Repeat Rule" in this catalog.) When your quality point deficit is removed, you are no longer on academic probation.

20 or More Quality Point Deficits

The first time a student accumulates 20 or more quality point deficiencies (in the Marshall or overall GPA), he or she is suspended for one regular semester following the semester in which he or she becomes suspended, excluding summer terms. Suspended students are subject to the same restrictions as students on academic probation. In addition, a suspended student who wishes to return after suspension, or after attending a summer term, must meet the following goals to maintain eligibility:

During each semester or term in which a student has 20 or more quality point deficits, students enrolled for:

- 12 or more hours must reduce their quality point deficiencies by at least 4.
- 9 to 11 hours must reduce their quality point deficiencies by at least 3.
- 6 to 8 hours must reduce their quality point deficiencies by at least 2.
- 1 to 3 hours must reduce their quality point deficiencies by at least 1.

Students who do not meet the goals stated above may be dismissed from the college for one semester. At the end of this period, a student can request readmission to the college. This request must be in writing to the Dean of the college.

COLLEGE OF LIBERAL ARTS REQUIREMENTS

<i>Requirement</i>	<i>Credit Hours</i>
ENGLISH	6
English 101 and 102 or Honors English 201H must be taken to fulfill the English requirement. Juniors and seniors who have not had ENG 102 must take ENG 302.	
FOREIGN LANGUAGE	12
Successful completion of 12-hour sequence ending with German 204; Greek 302; Latin 204; French 204 or 264R; Spanish 204; or Japanese 204. Up to 3 semesters of the requirement may be waived by the Modern Languages Department for language taken in high school. Students must complete the sequence beginning with the first course they take. International students may satisfy this requirement by consultation with the Department of Modern Languages.	
COMMUNICATION STUDIES	3
Freshmen or Sophomores should take CMM 103, Juniors and Seniors CMM 305. This requirement may be waived by the Communication Studies Department if high school speech was taken and student passes a proficiency exam administered by the department.	
FINE ARTS	3
Choose one course from: ART 112, MUS 142, THE 112.	

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CLASSICS, PHILOSOPHY OR RELIGIOUS STUDIES	3
Any 3-hour course must be taken from among the following: any Classics course except CL 230, 231, 232, or 233; any Philosophy course; or any Religious Studies course except RST 202, 304, 310, 320, 325, 351.	
LITERATURE REQUIREMENT	6
Hours may be taken from any of the following: Classics 230, 231, 232, 233; any English 300 or 400 level course in literature; any Latin 300 or 400 level course; Religious Studies 202, 304, 310, 320, 325, 351; any 300 or 400 level course in French, German, or Spanish literature.	
SOCIAL SCIENCES	15
Courses are to be taken in at least three fields. (Check prerequisites before registering).	
Economics	
History	
Political Science	
Psychology	
Sociology/Anthropology (except SOC 108)	
Geography: Choose from these courses only—GEO 100, 203, 206, 305, 309, 315, 317, 320, 401, 403, 405, 408, 410, 412, 420.	
NATURAL SCIENCES	12
Integrated Science—4 hours (prerequisite MTH 121 or above)	
Choose 8 additional hours from the following fields: (Check prerequisites before registering)	
Biology	
Chemistry	
Physics	
Physical Science	
Geology	
Geography 101	
MATHEMATICS	3
MTH 121 or above must be taken to fulfill the Math requirement.	
COMPUTER LITERACY AND COMPETENCY	
Computer literacy to be acquired in English composition classes. Computer competency to be determined by the student's major department.	
MINOR REQUIREMENT	12-15
At least 12 hours in a subject except for students choosing a minor in English, which requires 15 hours.	
MARSHALL PLAN REQUIREMENTS	
All Marshall students must meet these requirements, some of which will overlap on major and college requirements.	
MATH 121 or higher (3 hours)	

(continued)

Integrated Science course (ISC). Counts as 4 hours of science credit.

Computer literacy/competency determined by major department.

Multicultural Studies (3 hours): courses are designated **Multicultural** in the Schedule of Courses.

International Studies (6 hours): courses are designated **International** in the Schedule of Courses.

Writing Intensive Course (3 hours): courses are designated **Writing Intensive** in the Schedule of Courses.

Capstone experience: designated by student's major department.

FOUR-YEAR CURRICULA

BASIC HUMANITIES

The Basic Humanities degree program is offered cooperatively by three separate departments: Classical Studies, Philosophy, and Religious Studies (CL/PHL/RST). The faculties of these three departments have created a program of humanistic studies distinctly interdisciplinary yet informed and directed by the specific humanities disciplines involved.

The goal of the program is to encourage students to develop an understanding of themselves and their culture through an exploration of the ways in which mankind orders experience. The means of exploration is the study of texts in its broadest sense—the basic philosophical, religious, and artistic works which continue to shape human cultural experience.

The program consists of three parts:

1. Three required interdisciplinary core courses:

CL/PHL/RST 250 Orientation in Humanities, CL/PHL/RST 350 Basic Humanities, and CL/PHL/RST 499 Humanities Seminar. These courses follow the shared humanistic approaches and methodologies of the separate disciplines, but being team-taught, they encourage students to ask questions and find solutions through a comparative and multidisciplinary approach.

2. Three Period Studies courses to be selected from one of two tracks:

Ancient World Track

CL 230 Ancient Greek and Roman Epic, CL 231 Women in Greek and Roman Literature, CL 232 Ancient Greek and Roman Drama, or CL 233 Greek and Roman Historians

PHL 200 Introduction to Philosophy: Ancient Period

RST 304 Teachings of Jesus, RST 320 Literature of the Old Testament, or RST 325, Literature of the New Testament

Modern World Track

CL 319 Classical Mythology

PHL 201 Introduction to Philosophy: Modern Period

RST 205 Introduction to Religion in the Modern World

(continued)

The period studies requirement provides an introduction to the methodologies of the separate disciplines and gives students a sense of the interrelationship among the diverse offerings of the separate departments. Unlike the interdisciplinary core courses which integrate course content, students are encouraged to discover these interrelations for themselves. Special emphasis is placed on critical thinking, logical expression of thought, and writing skills.

3. Five Courses by Contract to be chosen by the student with the advice of a committee of faculty members. These courses may be selected from the offerings of the three departments or from other humanities or university offerings. After an initial grounding in the content and methods of study of the Basic Humanities program, students have the opportunity to construct an advanced program of study with the advice of a committee of at least two faculty members, each from a different discipline involved in the program. A contracted program may be structured on the basis of chronological period, comparative cultures, traditional academic discipline, theme, or topic. Further information may be obtained from any faculty member in Classical Studies, Philosophy, or Religious Studies.

DEPARTMENT OF CLASSICAL STUDIES

Dr. Caroline A. Perkins, Chair

**<http://www.marshall.edu/classical-studies/>
classicalstudies@marshall.edu**

Professors

Lloyd, Perkins

Classical Studies is the area of scholarly study which investigates the Greek and Roman past in order to understand ourselves in relation to that past. This academic area includes the archaeologies, histories, literatures, languages, and cultures of ancient Greece and Rome from their neolithic origins until the end of the Fifth Century A.D.

Degrees in Classical Studies and Latin offer the same variety of career opportunities as other Liberal Arts degrees. In general, they provide a broad base of knowledge and intellectual skills that enable individuals to be flexible and versatile in a constantly changing job environment. In particular these degrees provide: a) a solid basis for professional training in law and medicine; b) preparation for occupations connected with Classical Archaeology; c) a basis for work in various government positions where there is a long tradition of people with a classical education; and d) preparation for occupations connected with education, which include teaching in public and private schools as well as at the college and university levels.

The B.A. in Classics through the Basic Humanities Degree program combines interdisciplinary study with a concentration in Classical Studies. This thirty-three hour degree consists of three team-taught interdisciplinary core courses (250, 350, 499), of which the 499 serves as the capstone course for the degree, one lower-division course from Classical Studies, Philosophy and Religious Studies, and five upper-level courses chosen from any discipline. Each student works with an advisor and a committee of faculty to design these contract courses so that they center on a particular interest or area of study.

There are two minors in Classical Studies. A minor in Classical Culture consists of twelve hours selected from CL 319, 370, 435, 436, and 460. A minor in Classical Literature consists of twelve hours selected from CL 230, 231, 232, 233, and 319.

The B.A. In Latin can be acquired through the College of Liberal Arts or the College of Education and Human Services. In both, the degree consists of thirty hours of Latin, eighteen of which must be above Latin 204, and Classics 436 (Roman Civilization.) Latin majors are required to complete a senior portfolio which documents their work in all advanced Latin classes (above LAT 204). When they enroll in their final advanced Latin class (LAT 404, 408, 409, or 410), they must also enroll in Latin 499, the Latin Capstone Experience, the non-credit course in which they will complete this portfolio. The approval of this portfolio by the faculty of the Department of Classical Studies is required for graduation. We also recommend that students who are planning to pursue graduate education in Classical Philology take two years of Greek.

A minor in Latin consists of twelve hours, nine of which must be above the 100 level. A minor in Greek consists of Greek 201, 202, 301, and 302.

In addition to the specific major requirements, students must fulfill the general and specific requirements for the B.A. Degree in the College of Liberal Arts or the College of Education and Human Services, and must demonstrate a proficiency in computer literacy through completion of CSD 101, and a proficiency in writing through examination by the department.

Master of Arts in Teaching

Students who are planning a career in secondary school education can complete their preparation for this field with the Masters of Art in Teaching offered by the College of Education and Human Services. This degree combines the undergraduate major in Latin with education courses and clinical experience. Students must specialize in a second content area in addition to Latin.

DEPARTMENT OF COMMUNICATION STUDIES

Dr. Bertram W. Gross, Chair

<http://www.marshall.edu/commstu/>
commstu@marshall.edu

Professors

Bookwalter, Brammer, Denman, Edmunds, Gross, Williams

Associate Professors

Greenwood, Woods

Assistant Professors

Kikuchi, McCarnes

The Department of Communication Studies offers a variety of courses and major concentrations which are designed to provide current knowledge, cognitive abilities, and competencies in communication. The concentrations prepare graduates for various communication roles and functions in personal life, organizations, and society. The department's offerings are augmented by the forensics program.

Communication Studies majors must fulfill the general and specific requirements for the B.A. degree. The major in Communication Studies consists of 36 hours, including CMM 255, which is the department's computer literacy course, CMM 303, CMM 411, and

CMM 478, which is the capstone experience course, plus the courses required for one of the following concentrations:

Interpersonal Communication

The Interpersonal Communication concentration is intended for students seeking personal enrichment and/or futures in service industries and institutions, the professions, or graduate work in the field of Communication Studies. The following departmental courses are required for this concentration: 213, 311, 315, 345, and 413. Six more hours must be selected from the following list of departmental courses: 308, 319, 322, 406, 408, 409, 420. An additional 3 hours of electives must be selected from the previous list, CMM 490, and/or other courses in Communication Studies. The department recommends the formulation of a minor, in consultation with an advisor, in one of the following departments: Counseling and Rehabilitation, Psychology, or Sociology.

Organizational Communication

The Organizational Communication concentration is intended for students seeking communication roles in organizations, industries, corporations, and/or government institutions, as well as graduate work in the field of Communication Studies. The following departmental courses are required for this concentration: 319, 401, 406, 408, and 420. Six more hours must be selected from the following list of departmental courses: 213, 308, 311, 315, 322, 345, 409. An additional 6 hours of electives must be selected from the previous list, CMM 490, and/or other courses in Communication Studies. The department recommends the formulation of a minor, in consultation with an advisor, in one of the following departments: Journalism (Public Relations), Management, Political Science, Psychology, or Sociology.

Public Communication

The Public Communication concentration is intended for students seeking public roles in the legal, political, and/or other communication settings of democratic society, as well as graduate work in the field of Communication Studies. The following departmental courses are required for the concentration: 202, 308, 310, 402, and 409. Six more hours must be selected from the following list of departmental courses: 307, 311, 316, 322, 345, 401, 406, 420. An additional 3 hours of electives must be selected from the previous list, CMM 490, and/or other courses in Communication Studies. The department recommends the formulation of a minor, in consultation with an advisor, in one of the following departments: Criminal Justice, English, History, Journalism, Marketing, or Political Science.

Communication Education

In cooperation with the College of Education and Human Services, Communication Studies offers the following concentration.

The Communication Education concentration is intended for students seeking teaching specialization in Oral Communication for the Middle School (grades 5-9) or Middle and Secondary School (grades 5-12). See the College of Education and Human Services section for college and specialization requirements.

Minor in Communication Studies

A minor in Communication Studies cannot include CMM 103, CMM 104H, CMM 207 or CMM 305 as those courses are used to fulfill the general education requirements for all students.

DEPARTMENT OF CRIMINAL JUSTICE

Dr. Richard H. Moore, Chair

<http://www.marshall.edu/criminal-justice>

criminal-justice@marshall.edu

Professors

Brown, Dameron

Associate Professor

Moore

Assistant Professor

Grubb

The Criminal Justice Department provides undergraduate and graduate students with high quality criminal justice education to prepare them for future success in: (1) Public Service (i.e., law enforcement, courts and administration, probation, parole, jails and prisons, juvenile justice, victims' services, and training/teaching); (2) Law School; (3) Graduate School; or (4) the Private Sector (i.e., loss prevention/security and corrections). A unique contribution of the Criminal Justice Department is to develop students' intellectual abilities, critical thinking skills, research skills, language/communication skills, and problem solving skills within a broadly-based exposure to the study of the law, the legal system, and the practical realities of how social, economic, and political contexts influence the roles of professionals/practitioners and also the operation of the criminal justice system. The Criminal Justice Department is also committed to: (1) applied and basic research; (2) leadership in public service to the community; (3) educating students in forensic applications and technological integration; and (4) developing insight into multicultural and global issues.

A. Before declaring a major in Criminal Justice:

1. All students must complete at least 15 hours, 100 level or above, with an overall GPA of 2.25.
2. All students must complete ENG 101 or ENG 201H with a grade of C or above.
3. All students in the Professional Career Studies Concentration must earn a C or above in either CJ211 or CJ231.
4. All students in the Legal Studies Concentration must earn a C or above in either LAS 101 or CJ 321.

A candidate for a Bachelor's degree in Criminal Justice must fulfill the general and specific requirements of the College of Liberal Arts. In addition, the student must select one concentration area (Professional Career Studies or Legal Studies) and one specialization, such as Law Enforcement, Corrections, Forensic Science, Juvenile Justice, Victims' Rights and Services, or Security Management. For a current list of available specializations, contact the Criminal Justice Department Chairperson.

B. After completing the above requirements, students must apply to be a Criminal Justice Major at the College of Liberal Arts office (OM 107). At that time, the student's major status is changed from "Undecided" to Criminal Justice with a concentration in either Professional Career Studies or Legal Studies and the student is assigned an adviser.

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Concentration A: Professional Career Studies

The Professional Career Studies Concentration prepares students to work in Criminal Justice or attend graduate school. All students must complete 36 hours which include CJ 211, CJ 231, CJ 321, CJ 404, CJ 425 and a course in Statistics (MTH 225, PSY 223 or SOC 345), plus eighteen additional hours of Criminal Justice electives. Recommended courses are ECN 100, PHL 303 and 304, and HST 342. Students contemplating graduate work and/or professional career positions within the federal government are encouraged to take ECN 250 and 253, instead of ECN 100; and SOC 443.

Concentration B: Legal Studies

This is intended for students interested in pursuing professional careers within the legal system and/or entering law school. The required course sequence includes: LAS 101, 102, 211, and 240, and CJ 301, 321, 322, 323, 421, and 422. Also, CJ 404, Statistics, ECN 100, PHL 303 and 304, and HST 342 are recommended. Students contemplating graduate work and/or professional career positions within the federal government are encouraged to take ECN 250 and 253, instead of ECN 100; MTH 120; and SOC 443.

The Two-Plus-Two program in Legal Studies allows students possessing an associate degree in Legal Assisting from the Community and Technical College to apply designated credits toward a Baccalaureate degree in Criminal Justice/Legal Studies. Students in the Two-Plus-Two are not exempt from the undergraduate candidacy requirement described above. Students interested in pursuing the Two-Plus-Two degree should contact the chair of the Criminal Justice Department for information concerning the requirements of the College of Liberal Arts to assure timely completion of the Two-Plus-Two degree.

ECONOMICS

The Division of Finance and Economics offers an undergraduate curriculum in the College of Liberal Arts and in the Lewis College of Business. The curriculum offers opportunity for preparation in one or more of three career objectives. It is designed:

1. To help prepare students for effective participation in the decision-making processes of society by offering them an opportunity to develop their ability to analyze economic problems and issues and to deepen their understanding of the operation of the economies of the U.S. and other countries. Economics deals with such subjects as economic theory, business fluctuations, distribution of resources and income, international trade, economic development, managerial decision-making, and the growth of national income and welfare.
2. To prepare majors for administration or research positions in business firms, government agencies, labor organizations or private foundations.
3. To provide suitable courses and instruction for majors who plan to enter law or graduate school. Majors must fulfill the general and specific requirements for the B.A. degree and must complete the following coursework: Economics 250, 253, 326, 328, 423, 440, 466 and 467 and 9 additional hours in economics to be chosen with the advice and approval of the academic advisor; Mathematics 203; and Management 218. A minor may be earned by completing 12 hours in economics.

For the B.B.A. degree with a major in Economics, see the Lewis College of Business.

DEPARTMENT OF ENGLISH
Prof. Arthur E. Stringer, Chair
[http://www.marshall.edu/english/](http://www.marshall.edu/english/english@marshall.edu)
english@marshall.edu

Professors

Duke, Erickson, Lumpkin, McKernan, Ramsey, Riemer, Stringer, Taft, Teel

Associate Professors

Badenhausen, Hatfield, Hood, Johnson, Lang, Nordeen, Schiavone, Stooke, Van Kirk

Assistant Professors

Bean, Burbery, Darrohn, Hudock, Moore, Pasternak, Rodier, Schray, Shelton

The Department of English offers a wide range of courses in literature, language, and writing. These courses are designed to meet the needs and interests of English majors in the various colleges, of English minors, and of students majoring in other fields.

Four areas of emphasis are available to the English major: a Literature English Major, a Writing English Major, a Pre-professional English Major, and an English Education English Major.

Although the emphases of each area differ, the goals are essentially the same: an acquaintance with English and American literature necessary for the liberally educated person; a knowledge of the language necessary for perceptive reading and writing; an ability to write English with competence and grace; and a sense of English studies as a discipline. The capstone experience for English majors consists of two courses, 350 (Junior Seminar) and 420 (Senior Seminar), each offered in Spring term only. An exit portfolio is required.

Literature English Major: 317, 319 (6 hrs.); 321, 350 (6 hrs.); 306, 313, or 315 (3 hrs.); 410 or 412 (3 hrs.); 405 or 475 (3 hrs.); 450 or 451 (3 hrs.); 409 or 411 (3 hrs.): 420 (3 hrs.); electives (6 hrs.). Total: 36 hrs. Six hours of the electives must be at the 400 level and one course in American Literature should be selected and included in the group. Students and advisors should carefully work out appropriate courses and minors for this concentration. Especially recommended are courses and minors from other humanities departments.

Writing English Major: 317, 319 (6 hrs.); 321, 350 (6 hrs.); 409, 410, 411 or 412 (3 hrs.); 354, 360, 377, 378, 408, 491, or 492 (12 hrs.); 420 (3 hrs.); electives (6 hrs.). Total: 36 hrs. Six hours of the electives must be at the 400 level. Students aided by their advisors will work out carefully the proportion of literature courses to writing courses in relation to the desired emphases in writing essays, poetry, or prose.

Pre-professional English Major: 317, 319 (6 hrs.); 321, 350 (6 hrs.); 405 or 475 (3 hrs.); 450 or 451 (3 hrs.); 409, 410, 411 or 412 (3 hrs.); 354 or 408 (3 hrs.); 420 (3 hrs.); electives (6 hrs.). Total: 33 hrs. Six hours of the electives must be at the 400 level. This concentration is designed to be pursued with another major in order to enhance the liberal arts and communication skills valued in many professional specializations. Permission of the chairperson is required.

English Education English Major: Teaching specialization in Language Arts. See College of Education and Human Services.

Minor in English

A minor in English may be earned by presenting 15 hours in English beyond 102 or 302 or 201H, with no more than six hours on the 300 level.

DEPARTMENT OF GEOGRAPHY

Dr. Allen R. Arbogast, Chair

<http://www.marshall.edu/geography/>
geography@marshall.edu

Professor

Gillenwater

Associate Professors

Arbogast, Gripshover

Assistant Professors

Smith, Jarrett

Students in the College of Liberal Arts may major in geography and earn either a B.A. or B.S. degree. The degree option is offered to enable students with either a social science orientation or science orientation to prepare for the workplace. While core courses are the same for both degree options, students wishing to earn the B.S. degree must meet the minor requirements for the College of Science and take a statistics course. This option is for students wishing to concentrate in such areas as physical geography, conservation, environmental planning, and GIS/remote sensing. Students with a greater interest in human or regional geography will choose the B.A. option. Additionally, all students are required to take Geography 420, the department's capstone course. Geography students have access to the latest technology as well as the traditional foundations and tools of the discipline. Because of our size and the flexibility of our program, geography majors enjoy many unique opportunities to interact with faculty and other students.

The department's Cartography Lab is equipped with state-of-the-art computers with access to automated cartography/GIS facilities and internet resources. The department also maintains a large Map Library and Physical Geography Laboratory.

Graduates of the program include urban and regional planners, cartographers, environmental specialists, tourism professionals, mineral resource analysts, teachers, historical preservation researchers, and economic development leaders, just to name a few. Many of our majors have secured employment as professional geographers before they graduate. The growing demand for persons with skills relating to the natural environment and economic development, as well as computer cartography and GIS, has enabled the department to place its students successfully in their desired career paths.

Students may major in geography and earn the B. A. degree by meeting the general and specific requirements and by taking the following courses in geography.

<i>Requirements</i>	<i>Credit Hours</i>
Geography 100, 101, 203, 305, 317, 320, 405, 429	25
Geography 309, 408	3
Geography 302, 315, 401, 412, 414, 415	6

(continued)

Geography 420	3
Total Required	38

Students may major in geography and earn the B. S. degree by meeting the general and specific requirements and by taking the following courses in geography.*

<i>Requirements</i>	<i>Credit Hours</i>
Geography 100, 101, 203, 305, 317, 320, 405	22
Geography 429, 430	6
Geography 401, 410, 414, 415, 416, 429	9
Geography 420	3
Required outside of department	3
Statistics or upper division math course. It is strongly recommended that students take Sociology 345, Social Statistics I.	
Total Required	43

*Students must also complete the requirements for a minor in the College of Science. Students must consult closely with their advisors regarding the statistics course and minor requirements.

DEPARTMENT OF HISTORY
Dr. Robert Sawrey, Chair
<http://www.marshall.edu/history/>
history@marshall.edu

Professors

Cox, Duke, Karr, Lutz, Maddox, Palmer, Riddel, Sawrey, Spindel, Woodward

Associate Professors

Gruber

Assistant Professors

Miller, Mills

The study of history provides an essential component of liberal arts education and offers valuable preparation for careers in law, journalism, teaching, government, the ministry, library and museum work, and in those areas of the business world where a knowledge of foreign affairs and culture is desirable. History also serves as an indispensable adjunct to careers in the humanities and social sciences. More broadly, by exposure to a variety of cultures and human experiences, the discipline of history seeks to prepare students for the responsibilities of citizenship and for dealing with the ambiguities of human existence. The Department of History at Marshall also makes every effort to help students think critically, to view events with perspective and objectivity, and to appreciate the complexity of human experience and the difficulty of interpreting it.

Majors must fulfill the general and specific requirements for the B.A. degree in the College of Liberal Arts. When students declare a History major, they must obtain an

MUnet computer account by presenting their student ID card to the Computer Center on the 2nd floor of Prichard Hall or to any of the open computer labs on campus. They must demonstrate a proficiency in computer literacy: (1) through examination or (2) through successful completion of a 3 credit course, CSD 101: Computers and Data Processing.

Within the 128 semester hours students must earn for the B.A. degree, the major in History requires 36 semester hours of History, including HST 101, 102, 103, 200, 230, 231, 400. Students must also take at least one course from each group of courses listed below. Twelve hours in History must be in courses above the 200 level.

United States

HST 125, 250, 303, 312, 317, 323, 333, 342, 350, 402, 403, 404, 405, 409, 410, 411, 413, 414, 415, 416, 420, 424, 431, 432, 433, 434, 440.

European

HST 205, 206, 219, 221, 223, 304, 345, 406, 421, 422, 425, 426, 428, 429, 430.

World

HST 208, 260, 261, 301, 302, 376, 377, 378, 423, 435.

Minor in History

A minor in History requires at least twelve hours in History; no more than three taken at the 100 level can be counted toward the minor.

Teacher Certification in Social Studies

Students interested in pursuing teaching certification, Social Studies Comprehensive, 5-12, or Social Studies, 5-8, should see the Dean of the College of Education and Human Services.

Master of Arts in Teaching

History majors should explore as early as possible in their undergraduate program the graduate option of the Master of Arts in Teaching. The MAT combines the academic content of a history undergraduate degree with graduate professional education and clinical experiences. The MAT provides an alternative and accelerated means for teaching certification in grades 5-12. Interested students should discuss the MAT with their History advisor so that they can plan their undergraduate program accordingly.

INTERNATIONAL AFFAIRS

A major in international affairs combines studies in economics, geography, history, and political science and emphasizes the study of a foreign language.

A major in international affairs must meet the specific and general requirements for the B.A. degree except as altered by the following requirements:

- a. The student will concentrate on a single foreign language. A minimum of nine hours is required beyond the 12-hour sequence. All available conversational courses should be taken. Reading track courses may not be credited to the International Affairs major.
- b. The following courses are required:

Economics 250, 253, and any two of 340, 408, 420 or 460

(continued)

Geography 405 or 317

History 103, 331, 404, 405, and any non-American history course

Political Science 104, 309, 405, 406.

- c. The student shall develop a sequence of courses consisting of a minimum of 12 hours from among the following:
 - Anthropology 201, 437
 - Economics 466, 467
 - History 301, 302, 314, 376, 377, 400, 425, 426, 429, 430
 - Political Science 333, 407, 408, 409, 410, 411, 415, 422, 423
- d. A regional geography course in the area of the student's interest is highly recommended.
- e. With the approval of the advisor other courses may be substituted or added such as special topics offerings, area studies courses, summer workshops or internships.
- f. International Affairs majors shall, in their senior year, take the designated capstone course in either economics, history or political science. They should declare their intent on a form, filed with the adviser, at the beginning of their junior year so as to allow space in their schedule to take the departmental capstone course(s) when offered.

DEPARTMENT OF MODERN LANGUAGES

Dr. Terence McQueeney, Chair

<http://www.marshall.edu/language/>

language@marshall.edu

Professors

Dolmetsch, Riddel, Stump

Associate Professor

McQueeney

Assistant Professors

Braxton, Burgueno, Hammerstrand, Lopez, Migernier

Modern language study within the liberal arts curriculum remains true to the traditional ideal of the well-rounded person. It emphasizes the development of mental abilities which are immediate transferable to other areas of higher education and to a diversity of careers. A retentive memory, increased powers of observation analysis, and adaptability are clear benefits in a rapidly changing world of continuous challenges.

Modern language majors have opportunities in the fields of law, government service, translation and interpretation, education, communications media, library and museum science, publishing, law enforcement, international business and the travel industry.

A major in one of the modern languages (French, German, or Spanish) consists of thirty semester hours in the same language. Eighteen hours must be in courses numbered above 204 and must include nine hours of courses at the 400 level. For a major in Latin, see Classical Studies.

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Capstone Policy

Graduating majors will designate one course in their senior year as their Capstone experience. Ideally it will be one of the ending civilization courses (405/406) but an advanced literature course may be substituted as well. In addition to the normal course requirements the student will integrate as much as possible the various competencies developed throughout the student's foreign language study. This project will culminate in a class presentation to be delivered toward the end of the term, thereby giving graduating majors an opportunity to demonstrate their degree of proficiency in the target language, literature, and culture.

Minor in Modern Languages

A minor in French, German, or Spanish may be earned by presenting 12 hours in the designated language, with no more than 3 credits at the 100 level.

DEPARTMENT OF PHILOSOPHY

Dr. John N. Vielkind, Chair

<http://www.marshall.edu/philosophy/vielkind@marshall.edu>

Professors

Vielkind

Associate Professors

Barris

Assistant Professors

Powell

A concentration in Philosophy leads to a degree in Basic Humanities. Philosophy asks very basic questions about the nature of reality. Because these questions include our own reality—what we are as human beings—philosophy activates and makes grow what we ourselves in fact are. Part of being human is to be with others in a world, and philosophy is also the growth of our relations with other people and with the world around and in us. We teach this growth in the form of the deepest reasoning we can give in response to our questions.

DEPARTMENT OF POLITICAL SCIENCE

Dr. Troy M. Stewart, Jr., Chair

<http://www.marshall.edu/polsci/polsci@marshall.edu>

Professors

Matz, Perry

Associate Professors

Behrman, Rigsbee

Assistant Professors

Brown, Henderson

The political science curriculum has two objectives: first, to provide a basic understanding of the functioning of government in preparation for democratic citizenship and second, to give a specialized foundation to those planning to enter law school, government service (foreign service, public administration), teaching, research, politics, or business.

A major in political science must fulfill the general and specific requirements for the B.A. degree and must complete 36 hours in political science, including Political Science 104, 105 and 211. In addition, each major must take at least three courses in any one of the six fields into which political science offerings are divided and at least one course in any three of the remaining five fields.

The fields of the political science curriculum with courses in each are as follows:

- American State, Local, and Urban Politics: 202, 301, 376, 381, 383, 436, 440, 461.
- American National Politics: 303, 307, 376, 381, 383, 423, 436, 440, 460 and 484.
- Comparative Politics: 207, 407, 408, 409, 410, 411, 422, 424, 428, 429.
- International Politics: 309, 405, 406, 415, 420, 423, 424, 429.
- Political Theory: 200, 421, 425, 426, 428, 429
- Public Administration and Public Policy: 233, 311, 333, 433, 450, 452, 453, 454.

Courses which appear in more than one field may not be counted twice.

Recommended electives include Economics (especially 250 and 253); History 205 and 206 (for pre-law students), 230, 231; Accounting 215 and 216 (for pre-law students); Philosophy; Psychology; Sociology; Communication Studies 310; and English 408.

DEPARTMENT OF PSYCHOLOGY

Dr. Martin Amerikaner, Chair

<http://www.marshall.edu/psychology/amerikan@marshall.edu>

Professors

Amerikaner, Baker, Lindberg, Mewaldt, Thomas, Wyatt

Associate Professors

LeGrow, Linkey, Footo-Linz, Moore, Mulder

Psychology is the scientific study of human cognition, affect, behavior, and relationships. Psychologists seek to understand, predict and influence behavior through research into a wide range of issues which affect human functioning, including social, physiological, developmental, cognitive and emotional factors. Research methodology is central to the discipline, and all psychology majors learn about research strategies and methods of data analysis.

The psychology major earns a liberal arts B.A. degree while also preparing for a variety of post-baccalaureate options. These include: a) graduate education in such fields as psychology, medicine, law or business; b) work in business, industry and organizations; and c) work in mental health and social service settings.

Since graduate education is essential for students hoping to become psychologists and since admission into graduate programs in psychology is quite competitive, students with graduate education goals are encouraged to work particularly closely with their advisors throughout their undergraduate careers.

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Please note that for all upper division (300- and 400-level) Psychology courses, prerequisites include successful completion of at least 12 college credits at the 100-level or higher.

B.A. Program in Psychology (33 credit hours in Psychology)

Students may apply in the College of Liberal Arts to become psychology majors after they:

1. Complete the following *three* courses with a grade of C or better in each: PSY 201, ENG 101, MTH 121 or higher.
2. Complete at least 6 additional credit hours at the 100 level or above.
3. Marshall and overall GPA's of at least 2.0 at the time of application to be a major.

Required Courses: (21 credits)

1. General Psychology - PSY 201.
2. Elementary Behavioral Statistics - PSY 223.
3. Experimental Psychology - PSY 323.
4. Choose at least one from the *Social/Personality Perspective*: PSY 302, PSY 360, PSY 408, PSY 418, PSY 420, PSY 426.
5. Choose at least one from the *Experimental/Biopsychology Perspective*: PSY 324, PSY 350, PSY 416, PSY 417, PSY 440.
6. Choose at least one from the *Developmental/Individual Perspective*: PSY 311, PSY 312, PSY 330, PSY 406.
7. *Capstone Course*: After consulting with your advisor, choose one of the capstone options. PSY 456, PSY 457, PSY 460, PSY 470, PSY 471, PSY 499. Not all will be available every semester, so you may not be able to enroll in your first choice. See description of "capstone" on the next page.
8. Computer Literacy requirement: either CSD 101 or CT 107.

Electives: (12 credits)

Students may select any additional 4 courses (12 credits) in psychology to complete their major requirements. Students are strongly urged to consult with their advisors about these important choices. The groupings of courses listed below are intended to guide the selections of students with specific educational and career objectives.

1. Majors intending to apply for graduate/professional schools (e.g., Psychology, Medical School, Law School): PSY 302, PSY 311/312, PSY 406, PSY 408, PSY 416, PSY 417, PSY 440, PSY 456, PSY 460. Suggestions for minor: consult with your advisor.
2. Majors intending to work in business and industry after completing their B.A. degree: PSY 302, PSY 406, PSY 416, PSY 418, PSY 427, PSY 470, Economics 100, Accounting 215. We suggest a minimum of 2 computer courses beyond CSD 101, including PSY 427. Suggestions for minor: Marketing, Management, Safety Technology.
3. Majors intending to work in mental health settings after completing their B.A. degree: PSY 204, PSY 311/312, PSY 330, PSY 360, PSY 380, PSY 408, PSY 433, and PSY 471. Suggestions for minor: Counseling, Social Work or Special Education.
4. Majors who wish to use psychology as a general Liberal Arts degree: Follow requirements and any minor (whatever interests you, in consultations with advisor).

Remember, a minimum of 33 hours of Psychology is required for the major, but a student may take more hours than that.

Minor in Psychology

Students may choose to minor in psychology, which requires a total of 12 credit hours in psychology. Students are free to choose any 12 hours, but are encouraged to consult with a department faculty member about the appropriate choices, given their educational and career goals.

Capstone

Psychology majors can satisfy the capstone requirement by successfully completing one of several courses: Research in Psychology (PSY 456-457); an undergraduate practicum in either clinical or industrial/organizational psychology (PSY 470 or 471); the capstone seminar (PSY 499), which will focus on a variety of topics, or History and Systems of Psychology (PSY460).

In order to enroll as a capstone student in any of these courses, a student must have a 2.0 GPA in Psychology and overall, have completed at least 80 credit hours of undergraduate coursework, and satisfy the specific course prerequisites. Permission to enroll as a capstone student is required from the instructor, and there is an application process for admission to PSY 470, 471, 456, and 457. Advanced students can take more than one of these courses, but only one will be used for the capstone experience. Check with your advisor in your junior year for specific capstone requirements.

DEPARTMENT OF RELIGIOUS STUDIES

Dr. Clayton L. McNearney, Chair

<http://www.marshall.edu/rst/>

rst@marshall.edu

Professor

McNearney

Associate Professor

Altany

A concentration in Religious Studies leads to a degree in Basic Humanities.

DEPARTMENT OF SOCIOLOGY/ANTHROPOLOGY

Dr. Kenneth P. Ambrose, Chair

<http://www.marshall.edu/sociology/>

ambrose@marshall.edu

Professors

Ambrose, Ewen, Freidin, Westbrook

Associate Professor

Jarrett, Simpkins

Assistant Professors

Garnett

Instructor

Nilles

The Department of Sociology/Anthropology focuses on applied sociology and anthropology, especially the analysis of social and cultural issues, policies and trends in Appalachia. We also offer courses in social theory, with an emphasis on inequality. Anthropology majors may participate in a summer field school that provides hands-on experience in archaeological excavation at significant local sites. Sociology majors may be placed in a local community organization or public agency through SOC 470, Sociological Field Experience.

Sociology

Sociology majors must complete 36 hours of coursework in sociology, including SOC 200, 344, 345, 360, 375, 401, 475, at least one course in social diversity (SOC 423, 425, 440, 455, or any anthropology course), and at least one course in social institutions (SOC 342, 408, 428, or 450).

In addition, majors must select either the applied or general course of study. The applied option is designed for those who intend to work in settings such as government agencies or community organizations; additional course requirements include SOC 432 or 443 or 464 or 470. The general option is designed for those who intend to pursue a graduate degree in Sociology; students may elect to concentrate in a specific subfield such as social theory or social institutions, or may take courses across the range of the discipline.

Anthropology

Anthropology majors must take 36 hours in anthropology plus SOC 345. All courses in the Core (ANT 201, 304, 322, 333, 343, 443, and 451) must be taken. Two courses each must be selected from the Ethnographic (ANT 426, 430, 437, 441, 455, 470 or 471) and Topical Areas (ANT 323, 324, 340, 360, 370, 405, 427, 453, or 461).



College of Nursing and Health Professions

Dr. Lynne B. Welch, RN, Dean
Dr. Giovanna Morton, RN, Associate Dean
Dr. Linda M. Scott, RN, Associate Dean

The College of Nursing and Health Professions was formed in 1998 when the academic units of Nursing, Communication Disorders, Clinical Laboratory Sciences, and Dietetics united to better serve the health needs of the region. The college offers a variety of health career opportunities at the associate, baccalaureate, and master's degree level.

MISSION

Consistent with the mission of Marshall University, the College of Nursing and Health Professions (CONHP) is committed to offering quality undergraduate and graduate nursing and health professions education. The focus of the College of Nursing and Health Professions is upon being interactive with the community, including rural and underserved areas, and responding to contemporary and future needs of society, nursing, and the health professions.

To accomplish this mission, the College of Nursing and Health Professions:

- ensure the integrity of the programs through maintenance of rigorous professional education standards and through the high expectation of student learning and performance;
- encourages involvement of faculty in service to society and the profession;
- supports the engagement of faculty in research and scholarly activities;
- provides an environment that is sensitive to a culturally, racially, and ethnically diverse student body, faculty, and staff; and
- maintains an environment that provides for academic freedom and shared governance.

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NURSING

Dr. Lynne B. Welch, Dean

<http://www.marshall.edu/nursing/>

nursing@marshall.edu

Professors

Combs, Davis, Landry, Morton, Scott, Sortet, Stanley, Stotts, Welch

Associate Professors

Appleton, Rogers, Walton

Assistant Professors

Baden, Bailey, Fagan, Hartley, Meehan, Rider

Nursing education has been offered at Marshall University since the inception of an associate degree program in 1960. On July 1, 1978, a School of Nursing was formally established and now, as the College of Nursing and Health Professions, it is an integral part of the academic health sciences at Marshall University. The primary objective of the college is to respond to the nursing educational needs in the region. It offers a Bachelor of Science in Nursing program and a Master of Science in Nursing program with two areas of emphasis - Family Nurse Practitioner and Administration. The programs are accredited by the National League for Nursing Accrediting Commission (61 Broadway, New York, NY 10006). The College of Nursing and Health Professions also offers a cooperative associate degree program with St. Mary's School of Nursing.

BACHELOR OF SCIENCE IN NURSING PROGRAM

The purpose of the four year baccalaureate program in nursing is to prepare professional nurse generalists to work with individuals, families, groups and communities in a variety of health care settings. The program is available to qualified high school graduates, college students, college graduates. Graduates of the program are eligible to take the registered nurse licensing examination. The RN Option Program offers registered nurses the opportunity to expand their roles in professional nursing.

Baccalaureate nursing education provides a foundation in the humanities and the biological, social and behavioral sciences. Students are able to apply this foundation as well as a strong base in nursing science to the professional practice of nursing. In addition to achieving the professional goals of the nursing program, students should also become responsible members of society, and they are therefore, required to register for courses in general education.

The program includes a clinical practice component which gives students opportunity to apply their nursing theory and skills in caring for individuals, families, groups and communities in clinical health care settings. The program uses Cabell Huntington Hospital, Huntington Hospital, Columbia River Park Hospital, St. Mary's Hospital, Veterans Administration Medical Center and the Health South Huntington Hospital for Rehabilitation for clinical experiences. In addition over 30 other health care agencies such as clinics, doctors' offices, health departments and schools are used for student clinical experiences. All nursing students have clinical experiences with rural and/or underserved populations as part of the state's initiatives for primary health care nursing programming. The Nursing program also offers a concentration to persons desiring school nurse certification.

UNIVERSITY BACCALAUREATE INITIATIVES

Students entering the baccalaureate nursing program are responsible for meeting the requirements of five baccalaureate program initiatives, also referred to as the Marshall Plan. These initiatives include Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, Mathematics, and the Capstone Experience. These various policies are explained in general terms under the Mission of the University. Students in the College of Nursing and Health Professions are to consult with their advisor for guidance in determining the specific details of meeting these baccalaureate curricular initiatives.

ELECTIVES

Students must complete 6 hours in International Studies, 3 hours in Multicultural Studies and 3 hours of Writing Across the Curriculum prior to graduation. The university will identify courses which fulfill these requirements. If they are not taken as part of the required courses, then this requirement may be met within the 18 hours of electives of basic students and 16 hours of electives for RN Option students. Students are encouraged to take courses which will enhance their professional practice and personal well-being. Faculty advisors can assist in the selection of beneficial courses.

Honors courses may be used to meet the elective requirements. Students should check with the Director of the Honors Program about specific substitutions.

MINOR

No minor is available in this discipline.

BASIC PROGRAM: ADMISSION REQUIREMENTS

Admission is determined on a competitive basis at each entry level. The total number of students admitted to the program is based upon available facilities and faculty.

Students are admitted to the Nursing program once per year for the fall semester. Students are selected for fall admission after the January 15 deadline and continuing until all spaces in the class are filled.

Admission Requirements for Freshman Level

This level is for all first-time college students and for college students who have completed 12 or more hours of college level work.

1. First time college students must meet the general admission requirements of Marshall University.
2. First time college students or those with less than 12 hours of college credit must have a composite score of 21 or higher on the enhanced ACT, and a grade point average on high school coursework at the completion of their junior year of at least 2.5 or higher, with consideration given to college preparatory course of study.
3. College students must have a grade point average of at least 2.5 or higher on 12 or more hours of college work with consideration given to individual courses. Grades and credits from developmental courses are not considered.
4. All Nursing program freshman students must complete the required courses for the freshman year with a "C" or higher by July 20 and maintain a 2.3 overall grade point average. Students who do not complete these minimum requirements by July 20 (end

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of first academic year in the nursing program) will be dropped from the Nursing program and must reapply for admission to the program. Grades and credits from developmental courses are not considered.

Admission Requirements for Sophomore Level

This level is for college students who have completed at least 32 hours of college credit hours including the prescribed freshman level courses. Admission at this level is very limited and is based on available space. Applicants at this level must:

1. Meet the general admission requirements of Marshall University.
2. A minimum grade point average of 2.5 or higher.
3. Applicants must also document completion of, or current enrollment in the required courses for the freshman year.

Admission Requirements for Junior and Senior Level

This level is for students who are transferring from a four-year baccalaureate nursing program and who want to receive credit for their previous nursing education. Applicants requesting advance placement to this level must:

1. Meet the general admission requirements of Marshall University.
2. Document completion of two or more years of college credit in a **baccalaureate** nursing program with a 2.5 or higher grade point average on all college level work.
3. Provide proof of completion of courses required prior to transfer level.
4. Submit a reference from Dean/Director of nursing program.

Admission to this level is based on available space.

BASIC PROGRAM: APPLICATION PROCESS

Freshman Level Standing

1. Apply for admission to Marshall University.
2. Also apply for admission to the Nursing program, College of Nursing and Health Professions.
3. Submit official transcripts from **all** schools attended.
 - a. High school students should obtain two (2) copies of their high school transcript and ACT scores. One copy of the ACT scores and transcript should be sent to the College of Nursing and Health Professions Nursing program and one to the Admissions Office of Marshall University.
 - b. College students must submit two (2) copies of official transcripts from all colleges attended, if not currently attending Marshall. Send one copy to the College of Nursing and Health Professions and one to the Admissions Office of Marshall University. Current Marshall students must send one official transcript from all colleges attended to the College of Nursing and Health Professions. College transcripts must include the last semester attended, which for currently enrolled students is the fall semester prior to the application deadline.

Sophomore Level

1. Apply for admission to Marshall University if not currently admitted.

- Apply for admission to the Nursing program.
- Submit two (2) copies of transcripts from all colleges attended. Send one copy to the College of Nursing and Health Professions and one to the Admissions Office of Marshall University (does not apply if you are currently admitted to Marshall).
- Provide verification of current enrollment in required freshman level courses if these have not been completed. Official transcripts must be sent on completion of these courses.

Junior-Senior Level

- Apply for admission to Marshall University.
- Apply for admission to the Nursing program.
- Submit two (2) copies of all college transcripts, one to the College of Nursing and Health Professions and one to the Admissions Office of Marshall University.
- Submit course syllabi and other materials which describe the nursing courses for which advanced placement is requested.
- Submit a letter of reference from the Dean/Director of nursing program.

BASIC PROGRAM REQUIREMENTS

Completion of the B.S.N. program requires the completion of 128 semester hours of credits as specified in the following program of study. Credits and grades from developmental courses are not counted. The following is an example of a possible course of study.

FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Mathematics 121	3	Sociology 200	3
Psychology 201	3	Psychology 311	3
Chemistry 203	3	Chemistry 204	3
Biological Science 227	4	Biological Science 228	4
	16		16

SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Nursing 219	3	Nursing 319	4
Nursing 221	5	Nursing 222	6
Family and Consumer Sciences 210	3	Electives or	
Biological Science 250	4	Elective and Family &	
Elective	3	Consumer Sciences 404	6
	18		16

THIRD YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Nursing 318 or Elective	3	Nursing 322 or 321	5
Nursing 321 or 322	5	Nursing 324	5
Nursing 323	5	Nursing 318 or Elective or Statistics ..	3
Statistics or FCS 404	3	Nursing 423 or 409 or Elective	3
	16		16

(continued)

FOURTH YEAR

First Semester	Hrs.	Second Semester	Hrs.
Nursing 325	5	Nursing 403 or 421	3 or 5
Nursing 409 or 423 or Elective	3	Nursing 422	5
Nursing 403 or 421	3 or 5	Nursing 423 or 409 or Elective	3
Elective	3	Elective	3
	14 or 16		14 or 16

LICENSURE AS A REGISTERED NURSE

To practice registered professional nursing in West Virginia an individual must be licensed by the West Virginia Board of Examiners for Registered Professional Nurses. Students who successfully complete the basic Bachelor of Science in Nursing program meet the education requirements to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). "The Board may refuse to admit persons to its examinations or may refuse to issue a license upon proof that an applicant: (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 the licensing law."

A student who wants to take the NCLEX-RN in another state must obtain information regarding requirements and procedures from the agency responsible for professional nurse registration in that state.

RN OPTION PROGRAM

The Marshall University College of Nursing and Health Professions offers an RN Option program for registered nurses who have a diploma or associate degree in nursing and wish to earn a baccalaureate degree in nursing.

The curriculum may be completed in two academic years of full-time study or extended up to five years. Part-time study is recommended for nurses who are working full-time.

Applications for the RN Option program are processed on a semester basis.

ADMISSION REQUIREMENTS: RN OPTION PROGRAM

To be eligible for admission the applicant must:

1. Meet the general admission requirements of Marshall University.
2. Be licensed to practice as a registered nurse in West Virginia.
3. Have completed the following required general education courses or their equivalents with a grade of "C" or higher:

BSC 227-228, Human Anatomy and Physiology	8 hours
BSC 250, Microbiology and Human Disease	4 hours
FCS 210, Nutrition	3 hours

(continued)

SOC 200, Introductory Sociology	3 hours
ENG 101 and 102, English Composition	6 hours
PSY 201, General Psychology	3 hours
PSY 311, Developmental Psychology	3 hours
CHM 203, General Chemistry I	3 hours
MTH 121, Concepts and App. of Mathematics	3 hours
Total semester hours	36 hours

Transfer courses will be judged in relation to Marshall University courses for acceptability. Evaluation of transfer courses is completed in the Admissions Office. Please contact that office for questions concerning transfer courses.

4. Have an overall grade point average of 2.3 or higher on all college work.
5. Provide documented evidence of acceptable clinical nursing performance on form provided by the College of Nursing and Health Professions. Nurses not employed within the past three years will be evaluated individually.
6. Thirty two hours of lower division nursing credits will be awarded to students from non-NLNAC accredited diploma programs upon successful completion of NUR 317. Diploma graduates from programs not accredited by the NLN must successfully pass challenge exams to validate lower division nursing credits.

APPLICATION PROCESS: RN OPTION PROGRAM

1. Apply to Marshall University on forms provided by the Admissions Office.
2. File, concurrently, a supplemental application to the Bachelor of Science in Nursing Program on form supplied by the College of Nursing and Health Professions.
3. Copies of official transcripts from all colleges or schools attended must be submitted. If these are not already on file at Marshall University, one copy must be submitted to the College of Nursing and Health Professions and one copy must be submitted to the Admissions Office.

PROGRAM REQUIREMENTS: RN OPTION PROGRAM

In addition to the admission course requirements, the following courses must be completed:

- 35 hours upper division nursing courses
- 9 hours required non-nursing courses
- 16 hours electives

Additional elective credits to meet the 128 hours minimum will vary depending on individual circumstances. A typical full-time program of study is as follows:

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Nursing 305	4	Nursing 317	2
Nursing 219	3	Nursing 318	3
Nursing 319	4	Nursing 409 or 423 or Elective	3
Elective	3	Family and Consumer Sciences 404	3
Statistics	3	Chemistry 204	3
Elective	1		15
	17		

SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Nursing 421	5	Nursing 422	5
Nursing 403	3	Electives	6
Nursing 409 or 423 or Elective	3	Nursing 409 or 423 or Elective	3
Electives	<u>3</u>		<u>14</u>
	14		

A minimum of 128 semester hours of credit must be completed to receive any bachelor's degree at Marshall University. The hours needed to complete the RN Option are distributed as follows:

- Admission course requirements
- 36 hours non-nursing courses
- 32 hours lower division nursing credit

Since undergraduate programs vary in the number of required credits awarded or transferred, additional electives may be necessary to complete the 128 hour requirement.

ACADEMIC POLICIES

1. The Nursing program reserves the right to require withdrawal from nursing of any student whose health, academic record, clinical performance or behavior in nursing is judged unsatisfactory.
2. All students are required to maintain a cumulative GPA of **at least 2.3**. In the event that a student's cumulative GPA falls below 2.3, that student will be placed on probation and will be notified in writing of this action. Students have **one** semester to raise their cumulative GPA to 2.3. During this period, classes taken during the summer would count toward the GPA, but the term would not be counted as the semester. If the GPA remains less than 2.3 at the end of one semester, the student will be **dismissed** from the nursing program.
3. All nursing and required non-nursing courses must be completed with a grade of "C" or higher. Students who earn a grade of less than "C" in a nursing or required non-nursing course **must** repeat that course. Basic and RN Option students may repeat only one nursing course in which a grade of less than "C" is earned.
4. All students who receive a grade of less than "C" in a nursing or required non-nursing course may not progress in nursing courses for which that course is prerequisite.
5. Students who find it necessary for any reason to withdraw from a nursing course must abide by the College of Nursing and Health Professions withdrawal policy as stated in the Nursing Undergraduate Handbook.
6. No more than 9 hours of electives may be taken on a credit/non-credit (pass/fail) basis.
7. All required nursing courses in the basic and RN Option programs must be completed within five (5) years prior to graduation from the program. The five (5) year period begins at the time the first nursing course is taken.
8. With the exception of NUR 400, students must be admitted to the Nursing program in order to enroll in classes. Prerequisites are identified in the College of Nursing and Health Professions Nursing Student Handbook.

(continued)

OTHER POLICIES

1. Evidence of a current satisfactory health certification must be submitted prior to participation in nursing courses having a clinical component.
2. Evidence of current certification in cardio-pulmonary resuscitation must be submitted annually prior to participation in nursing courses having a clinical component. Contact the College of Nursing and Health Professions for acceptable courses.
3. Due to restricted enrollment in the College of Nursing and Health Professions Nursing program, students unable to maintain continuous progression must follow the Leave of Absence Policy.
 - a. A student must request permission in writing for a leave of absence from the College of Nursing and Health Professions Nursing program. Notification must be at earliest possible time.
 - b. The Student Petition for Leave of Absence Form must be submitted to the Chairman of the Admissions, Progression and Graduation Committee **no later than three (3)** weeks after the start of the semester in which the student is not enrolled in nursing courses.
 - c. If a Leave of Absence is approved, the student must consult with his or her advisor to revise the program plan.
 - d. Any student who fails to notify the College of Nursing and Health Professions Nursing program of a Leave of Absence will forfeit his or her space in the nursing program and must reapply for admission.
 - e. Permission for a leave of absence may be granted for up to one year.

SCHOOL NURSE CERTIFICATION

The Nursing program offers a concentration to persons desiring school nurse certification. The concentration is available to students in both the basic and the RN Option programs. The concentration is designed to help students meet the WV Board of Education standards for practicing school nurses. Persons seeking School Nurse Certification must be in good standing in a school of nursing or have a B.S.N. and be licensed as a registered nurse in West Virginia. Individuals selecting this concentration must notify the College of Nursing and Health Professions Nursing program of their intent as early as possible to receive proper academic advising. It is not necessary to have provisional admittance to the College of Education for the School Nurse Certification.

This concentration is designed to provide the nurse generalist with basic knowledge of school nurse practices. Students who select this concentration will complete several courses from the College of Education as well as a community nursing experience in the public school system.

ENTRANCE REQUIREMENTS: SCHOOL NURSE CERTIFICATION

1. Evidence of good standing in the Nursing program or a B.S.N. degree and West Virginia RN license.
2. Completion of PSY 311 - Developmental Psychology or its equivalent with a "C" or higher.
3. A 2.5 grade point average on at least 60 college credit hours.

CERTIFICATION REQUIREMENTS: SCHOOL NURSE

Prior to taking the PPST (Pre-Professional Skills Test), the applicant should complete the following courses. (The PPST is waived for master's prepared students):

<i>Requirement</i>	<i>Credit Hours</i>
Communication Studies 103, 104H or 305 (Fundamental Speech - Communications)	3
Curriculum and Instruction 102 (Introduction to Computers in the Classroom)	1
Educational Foundation 270 Observation (Level 1 Clinical Experience)	0*
English 101 and 102 (English Composition)	6
Health Education 321 (The School Health Program)	3
Nursing 485 (Independent Study in School Nursing)	1

**May be waived.*

A Community Nursing project in a school health setting must be completed in NUR 421 or 485. The student will be expected to show familiarity with all aspects of the role of the school nurse. A School Nurse Performance Assessment will be completed by the student, the school nurse preceptor, and the SON school nurse certification coordinator to verify that the student has met this clinical requirement.

After completing the certification requirements the student must submit an application for a Provisional Professional Temporary Teacher or Service Certificate. This application is available from County Board of Education offices or the College of Education.

Certification will be awarded after the following criteria are satisfied:

1. The PPST is successfully completed. (NOTE: This exam is offered at Marshall.) Please contact the College of Education at (304) 696-2857 for information on this exam.
2. Verification by the College of Nursing and Health Professions of completion of the School Nurse Performance Assessment.
3. Verification by the College of Education and Human Services that the academic requirements have been satisfied.
4. The completed application for professional certification (IPT 20) is submitted to the College of Education Certification Office.

For NUR 485 information contact the College of Nursing and Health Professions at (304) 696-2620.

For certification information contact the College of Education at (304) 696-2857.

To obtain more information and an application write to:

Bachelor of Science in Nursing Program
College of Nursing and Health Professions
Marshall University
400 Hal Greer Boulevard
Huntington, WV 25755-9500
Telephone (304) 696-5272 E-mail: nursing@marshall.edu

ASSOCIATE IN SCIENCE IN NURSING PROGRAM

The Associate in Science in Nursing Program is a cooperative effort between the Marshall University College of Nursing and Health Professions and St. Mary's School of Nursing. This program may be completed in two academic years and requires 69 credit hours. General education courses are offered on the Marshall University campus and nursing courses are offered at St. Mary's School of Nursing. Graduates of this program receive an Associate in Science in Nursing degree from Marshall University and are eligible to make application to the registered nurse licensing examination.

ADMISSION REQUIREMENTS: ASSOCIATE IN SCIENCE IN NURSING PROGRAM

All applicants must be either a graduate of an accredited high school or have a high school equivalent through GED testing.

High School Seniors and Applicants Who Have Completed Fewer than 12 College Credit Hours Must Have:

- A minimum high school GPA of 3.0
- A minimum composite score of 21 on ACT
- A minimum of "C" on all college courses completed

The Following High School Courses are Strongly Recommended:

- English - 4 units
- Science - 3 units (chemistry, biology I and biology II)
- Math - 2 units (one should be algebra)
- Social Studies - 3 units

Applicants Who Have Completed at Least 12 College Credit Hours Must Have:

- A minimum of "C" on each required non-nursing course completed
- An overall 2.0 QPA ("C" average) or better on ALL courses completed
- An overall 2.0 GPA on all courses completed at Marshall University

GED Applicants Must:

- Meet criteria for GED admission as stated in the Marshall University undergraduate catalog
- Have completed at least 12 college credit hours
- Meet criteria for applicants who have completed at least 12 college credit hours

PROGRAM REQUIREMENTS: ASSOCIATE IN SCIENCE IN NURSING PROGRAM

General education courses required in the cooperative program are:

<i>Requirement</i>	<i>Credit Hours</i>
BSC 227, Human Anatomy	4
CHM 203, General Chemistry I	3

(continued)

FCS 210, Nutrition	3
BSC 250, Microbiology and Human Disease	4
PSY 201, General Psychology	3
ENG 101 & 102, Composition	6
PSY 311, Developmental Psychology	3
SOC 200, Introductory Sociology	3
TOTAL	29

Forty (40) hours of credit in Nursing are required.

**CURRICULUM:
ASSOCIATE IN SCIENCE IN NURSING PROGRAM**

First Year

<i>Fall Semester</i>	<i>Hrs.</i>	<i>Spring Semester</i>	<i>rs.</i>
BSC 227	4 cr.	BSC 250	4
FCS 21 0	3	ENG 101	3
CHM 203	3	PSY 201	3
NUR 120	<u>8</u>	NUR 220	<u>8</u>
	18		18

Second Year

<i>Fall Semester</i>		<i>Spring Semester</i>	
PSY 311	3	ENG 102	3
NUR 225	4	NUR 235	6
NUR 230	8	NUR 241	<u>6</u>
SOC 200	<u>3</u>	Total	15
	18		

Students receive Marshall University credit for all courses in the program. Graduates of the cooperative program receive an Associate in Science degree in nursing from Marshall University.

To obtain more information and an application, write to:

St. Mary's/Marshall University
Cooperative Associate Degree Program
2900 First Avenue
Huntington, WV 25702
Telephone (304) 526-1415

CLINICAL LABORATORY SCIENCES

Dr. Bruce J. Brown, Chair

<http://www.marshall.edu/clinical/>
clinical@marshall.edu

Associate Professors

Brown, Fike

Assistant Professor

Pinkerman

The CLS integrated curriculum has two degree options: the Associate Degree in Medical Laboratory Technology (MLT) and the Baccalaureate Degree in Medical Technology (MT). Students may choose to earn the associate degree only or to earn both the associate and baccalaureate degrees. Credit for previous clinical laboratory training or experience may be granted based upon documentation and/or a proficiency examination administered by the CLS Department.

Should space for students in the hospital setting be limited in these programs, admission to clinical practicum would be competitive based upon grade point average. Names of students qualified but not selected for any practicum rotation will be placed on a waiting list and receive priority in the next rotation.

Transportation and housing for hospital portions of these programs are the responsibility of the student. Medical insurance coverage is required for hospital rotations. Costs of physical examinations, tuberculosis testing, and immunizations are borne by the student. Students will be required to either receive the hepatitis B vaccine series or sign a waiver form refusing the vaccine.

Associate Degree, Medical Laboratory Technician (MLT)

Students completing the medical laboratory technician curriculum earn the Associate in Applied Science Degree. The curriculum is designed so that a student may complete the program and become eligible for national certification. A person who has earned the associate degree may later complete the bachelor's degree in medical technology.

Technicians are trained to perform approximately 90% of the routine diagnostic work in a clinical laboratory. They generally work under the supervision of a technologist. They collect blood samples and do a wide variety of blood and urine tests using microscopes, spectrophotometers, electronic counters, and other laboratory instruments; they also perform crossmatches, culture pathogenic bacteria, and perform blood clotting tests. Besides working in hospital laboratories, medical laboratory technicians work in doctors offices, clinics, and in industry.

Admission

Entry to the MLT program involves formal application by candidates and competitive selection by an admissions committee. The number of class spaces is determined annually by the MLT program director, based upon available instructional resources both on campus and in affiliated hospital laboratories. The class limit is approximately 18 per year. Admission of qualified applicants is not guaranteed. Students seeking admission to the MLT program should develop an alternative academic plan in the event that they are not admitted.

(continued)

Minimum qualifications for admission include an overall grade point average (GPA) of 2.0, completion of at least 18 credit hours of courses in the MLT-MT program curriculum with a minimum 2.5 GPA, including C or better grades in BSC 227, CHM 211, CHM 213, and MTH 127 (or higher), or equivalent courses. Applicants who have completed 24 credit hours or more in the MLT-MT curriculum including CLS 100, will receive preference.

Students apply for admission by completing and submitting a transcript review form, two letters of reference, and a letter of application to the MLT Program Director between March 1 and May 31 for admission to the fall semester of the current year. Late applications will be considered as class size permits. Transcript review forms and example letters are available at the Clinical Laboratory Sciences Department.

The MLT program admissions committee reviews letters of application, college level coursework, and letters of reference. Applicants who are expected to complete all admission requirements before fall classes begin may be granted conditional program admission. The committee selects students to fill available class spaces and develop a ranked waiting list, if applicable. Letters are mailed to all qualified applicants by June 30 notifying them of admission status or position on the waiting list.

Students accepted into the MLT program obtain permission to register for the courses CLS 110 and CLS 200 from the MLT program director. Accepted students who are not properly registered or who are absent during the first week of regular classes without prior approval will lose their space to a wait-listed applicant.

Admitted students will be required to attend an instructional program on blood borne pathogens and either begin the Hepatitis B vaccine series or sign a waiver form refusing it.

Progress through the MLT program is contingent upon satisfactory academic performance. Once admitted, MLT students are required to remain continuously enrolled in such a way as to complete the CLS course sequence (CLS 110, 210, 220, 255, 270-273) with their class. If a student should not successfully progress with his or her class, that student will be dropped from the MLT program and will be notified of that status by letter. Decisions regarding readmitting students to pre-clinical CLS courses will be made by the admissions committee subject to space availability. No student is guaranteed readmission. Students seeking readmission apply by letter to the MLT program director as described above. Readmitted students may be required to repeat one or more CLS courses or undertake directed independent study.

Hospital clinical practicum

In order to be eligible for hospital training, a student must earn grades of C or better in each CLS course. Students should be degree eligible upon completion of the hospital-based training.

Two 15-week MLT hospital rotation periods are available, one each in summer and fall terms. The affiliated hospital laboratories in 1999 include St. Mary's Hospital (Huntington, WV), Cabell Huntington Hospital (Huntington, WV), Thomas Memorial Hospital (South Charleston, WV), and River Valley Health System Medical Center (Ironton, OH). Hospital assignments are made by the education coordinator during the course CLS 255. Available hospital clinical rotations will be assigned at the discretion of MLT program officials; student preference and academic achievement will be considered. Housing and transportation are the responsibility of each student.

If there are more qualified students than clinical spaces during any class year, students will be selected for available spaces by grade point average in the MLT-MT

curriculum. Those not assigned to clinical rotations will receive first priority in the next available rotation schedule.

Associate Degree (MLT) Curriculum

Freshman Year

<i>First Semester, Fall</i>	<i>Hrs.</i>	<i>Second Semester, Spring</i>	<i>Hrs.</i>
English 101	3	English 102	3
Chemistry 211	3	Chemistry 212	3
Chemistry 217	2	Chemistry 218	2
Mathematics 127	3	Elective or Biological Science 228	4
Biological Science 227	4	Biological Science 250	4
Clinical Lab. Sci. 100	1		16
	16		

Sophomore Year (following program admission)

<i>First Semester, Fall</i>	<i>Hrs.</i>	<i>Second Semester, Spring</i>	<i>Hrs.</i>
Clinical Lab. Sci. 110	4	Clinical Lab. Sci. 210	4
Clinical Lab. Sci. 200	4	Clinical Lab. Sci. 220	4
PSY 201 or Multicultural Elective	3	Clinical Lab. Sci. 255	3
CS 103 or International Elective	3	Elective	3-4
	14-15		14-15

<i>Summer 15-week Clinical Practicum</i>	<i>Hrs.</i>
Clinical Lab. Sci. 270	3
Clinical Lab. Sci. 271	3
Clinical Lab. Sci. 272	3
Clinical Lab. Sci. 273	3
	12

Total: 71-73 Semester hours

Note: The Marshall Plan does not apply to associate degree programs.

Medical Technology (MT) Bachelor's Degree

Medical technologists are trained to perform a variety of specialized tests in the clinical laboratory that provide information used by the physician to determine the extent and cause of disease. The tests performed or supervised by the medical technologist are completed in such areas as hematology, blood banking, serology, immunology, clinical chemistry, bacteriology, and parasitology. The graduate medical technologist is prepared with the knowledge and abilities needed for certification by nationally recognized professional agencies. Certified medical technologists are accorded the status of professionals in the medical team. They often have responsibilities for laboratory sections, exercise independent judgement, and evaluate the work of others.

The first two years of the medical technology program consist of the associate degree MLT program or equivalent. The third year involves completion of science and other university academic requirements. The fourth year, after admission to the MT program (see below), involves one semester of pre-clinical courses on campus and an 18-week semester of daily, full time clinical practice at one or more hospital affiliate laboratories. Clinical affiliates for 1999 include Cabell Huntington Hospital (Huntington, WV), St. Mary's Hospital (Huntington, WV), and Charleston Area Medical Center (Charleston, WV).

A student who has completed required general studies and prerequisite courses may progress through the CLS sequence for MLT and MT programs consecutively.

Career Opportunities

Most medical technologists are employed in hospital laboratories, while others find employment in physician's offices, the armed forces, and state and federal health agencies. Titles other than medical technologist reported by CLS graduates have included physician or medical student, dentist, physical therapist, nurse, health care computer specialist, hospital administrator, pharmaceutical salesperson, science teacher, housewife, college professor, biomedical researcher, librarian, medical sonographer, attorney, and scientific device reviewer.

Admission

Entry to the MT program involves formal application by the student and competitive selection by an admissions committee. The number of class spaces will be determined annually by the MT program director based upon available resources both on campus and in hospital clinical laboratories. The class limit is currently 10 per year.

Students apply for admission by completing and submitting a transcript review form, two letters of reference, and a letter of application to the MT Program Director. Application materials are available from the MT Program Director. Applications will be accepted between March 1 and May 31 for enrollment in senior CLS courses beginning in the fall semester. Applicants may be required to schedule personal interviews with the selection committee. Currently enrolled MLT students who plan to continue to the MT program need only submit a letter regarding their intent to continue.

Admission is not guaranteed. First priority for available spaces goes to MU students who have completed the MLT program. Transfer students who have earned the associate degree in MLT at another college or university qualify for program admissions, provided that they completed a MLT-A.D. program at a NAACLS-accredited program. Students who have not worked as a laboratory technician for more than 5 years may be required to repeat some CLS courses. Technical medical laboratory training and experience earned through programs not accredited by NAACLS are evaluated on a case-by-case basis. Advanced standing and credit by examination in CLS pre-clinical courses are available to those with previous medical laboratory training and experience.

To be eligible for entry into clinical practicum at affiliated hospitals, students must have a minimum overall 2.0 grade point average, have completed all required CLS technical courses with a minimum grade of "C", and be otherwise eligible for the degree.

Admitted students will be required to attend an instructional program on blood-borne pathogens and either begin the Hepatitis B vaccine series or sign a waiver form refusing it.

Curriculum for the Bachelor of Science Degree in Medical Technology

Junior Year

<i>Semester</i>	<i>Hrs.</i>	<i>Semester</i>	<i>Hrs.</i>
Chemistry 327 or 355-356-361	5	Biological Science 424	4
Chemistry 365 or 345	5	Economics 250	3
International Elective	3	MTH 225	3
Elective	3	CLS 310	3
	16	SOC 345 or EDF 417	3
			16

Summer I	Hrs.
Physics 201	3
Physics 202	1
	4

Summer II	Hrs.
Physics 203	3
Physics 204	1
	4

Senior Year

Fall Semester	Hrs.
Clinical Lab. Sci. 450	4
Clinical Lab. Sci. 460	3
Clinical Lab. Sci. 464	3
Clinical Lab. Sci. 466	3
	13

Spring Semester	Hrs.
Clinical Lab. Sci. 468 (W) (C)	2
Clinical Lab. Sci. 471	9
Clinical Lab. Sci. 491	3
	14

Total: 130-136 Semester hours, including MLT Curriculum for the first two years.

Marshall Plan courses are required for bachelor's degrees.

Accreditation

The MLT and MT programs are accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS, PO BOX 75634, Chicago, IL 60675-5634, telephone 773/714-8880). Students who complete CLS programs through Marshall University will be eligible for national certification examinations.

CYTOTECHNOLOGY

Cytotechnologists work in hospitals, clinics, and private laboratories. They stain and analyze body cells under the microscope for changes that indicate cancer or infection.

Bachelor of Science in Cytotechnology

Students wishing the degree in cytotechnology complete the first three years of the academic curriculum through the Clinical Laboratory Sciences Department of the College of Nursing and Health Professions and then apply for one year (12 months) in the hospital-based school of cytotechnology.

The senior year is completed at either the Cabell Huntington Hospital (CHH) School of Cytotechnology, or the Charleston Area Medical Center School of Cytotechnology. Both are accredited by the Committee on Accreditation of Allied Health Educational Programs (CAAHEP, 35 East Wacker Drive, Suite 1970, Chicago, IL 60601-2208; telephone 312/553-9355), in collaboration with the American Society of Cytology (ASC). Upon successful completion of the entire curriculum, the student is granted the degree Bachelor of Science in Cytotechnology, and is eligible for certification examinations given by agencies such as the American Society of Clinical Pathologists (ASCP).

Admission to Hospital-Based School of Cytology

A minimum of 2.5 GPA on the pre-clinical academic program is required for students to be considered for cytotechnology training at an affiliated hospital. Applicants for the final year of cytotechnology training must apply for transcript review by the Clinical Laboratory Sciences Department between January 1 and March 1 the same year.

Complete applications and transcript evaluations of qualified applicants are supplied to the respective hospital schools by the CLS Department. Students are then

selected to fill available positions by the joint admissions committee on the basis of Grade Point Average, personal interview, and student academic status at Marshall. First preference is given to Marshall University students who have met residence requirements for graduation and who will be degree eligible in cytotechnology upon completion of hospital training, second preference is MU graduates who meet ASC requirements; third preference is undergraduates who meet ASC requirements. ASC requires that cytotechnology students have completed 60 college semester hours which include 20 credit hours of biological science, 8 of chemistry, and 3 of mathematics. Last preference is given to qualified applicants or graduates from other colleges and universities. A waiting list is established using these criteria in case an opening becomes available.

Admitted students will be required to attend an instructional program on blood borne pathogens and either begin the Hepatitis B vaccine series or sign a waiver form refusing it. They are also required to provide other health documentation, including tuberculosis test results and proof of health insurance.

Successful completion of the pre-clinical academic program does not automatically assure admission to clinical studies, since enrollment at the associated hospitals is limited. CHH allocates 4 Marshall student positions per year; CAMC allocates between one and three positions for Marshall.

CHH charges tuition of \$1500 for the year of training. CAMC charges \$5000 per year. These charges may change. Students with at least 24 credit hours earned at Marshall University may apply for waiver of Marshall tuition for the clinical year. Cytotechnology students pay the health professions fee to MU.

Individuals seeking certificate training, but not a degree, should contact CHH or CAMC schools directly.

Cytotechnology Curriculum

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Biological Science 120	4	Mathematics 130E	3
Biological Science 227	4	Biological Science 228	4
Chemistry 211	3	Chemistry 212	3
Chemistry 217	2	Chemistry 218	2
Clinical Lab Science 100	1		15
	17		

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Communication Studies 103 (or Computer Studies)	3	Psychology 201 (or Multicultural Elective)	3
Physics 201-202	4	Physics 203-204	4
Biological Science 301 or 310	4	Biological Science 300	4
Biological Science 424 or 426	4	Biological Science 121 (or other BSC elective)	4
Elective	1	Elective	1
	16		16

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 327		Biological Science 322 or CHM 365 ...	4
(or CHM 355-356-361 sequence)	5	Biological Science 302	4
Biological Science 324	4	Psychology 440	3
Mathematics 122 or higher	3	Elective (International)	3
Elective (International)	3		14
	15		

Fourth Year

<i>Course</i>	<i>Hrs.</i>	<i>Course</i>	<i>Hrs.</i>
Cytotechnology 438	4	Cytotechnology 444	3
Cytotechnology 439	3	Cytotechnology 445	3
Cytotechnology 440	6	Cytotechnology 446 (c)	1
Cytotechnology 441	3	Cytotechnology 447	3
Cytotechnology 442	3		10
Cytotechnology 443	3		
	22		

Total: 129 credit hours

COMMUNICATION DISORDERS

Prof. Kathryn Chezik, Chair

<http://www.marshall.edu/cd/>

cd@marshall.edu

Associate Professors

Chezik, Gardner, Rotter

Assistant Professors

Flannery, McComas, Reynolds, Simmons, Sullivan

Clinical Directors

McNealy, Miller

The Department of Communication Disorders offers academic coursework and clinical practicum leading to a B.A. pre-professional degree. CD majors, enrolled in the College of Nursing and Health Professions, are required to take the following courses: CD 101, 241, 315, 325, 429, 439, 422, 422L, 425, 420, 460, 468, 430, 426, 426L, 463, 424, 424L, 427, and 427L. Students who apply for and/or accept clinical practicum assignments are expected to fulfill the responsibilities of these assignments for the full semester. Students who fail to do so may not be assured of future assignments. Students should contact the department chair, their academic advisors, and the clinic handbook regarding all academic and clinical requirements and standards specific to the program.

DIETETICS

<http://www.marshall.edu/conhp/dietetics/>

Associate Professor

Edwards

Assistant Professor

Williams

The Didactic Program in Dietetics (DPD) leads to a Bachelor of Science degree and prepares students for work in clinical nutrition, community health, and food service management positions. The DPD is approved by the Commission on Accreditation/Approval for Dietetics Education of the American Dietetic Association, 216 W. Jackson Blvd., Chicago, IL 60606-6995, 312/899-4876. The DPD meets the academic standards to qualify students for a dietetic internship (DI) or pre-professional practice program (AP4). To be eligible to sit for the registration exam to become a Registered Dietitian, it is necessary to complete both the undergraduate DPD as well as a post-baccalaureate supervised practice experience in a DI or AP4.

The mission of the DPD at Marshall University is to offer a high quality undergraduate didactic program for students from the regional tri-state area and nationally to meet the needs of the region for dietetic professionals. Marshall University is well located to provide the dietetic students with a nurturing environment for professional growth. There are three acute care hospitals as well as smaller specialized care hospitals in the Huntington area providing exposure to dietetic practice in both clinical and food service management. The tri-state area also includes ambulatory dietetic services based in both clinical and community settings. All of these local facilities have dietitians who provide guidance to the DPD by serving on an advisory Committee and/or who serve as mentors for dietetic students as part of the Mentoring Program sponsored by the local district dietetic association. The focus of the DPD is on providing graduates with the knowledge, skills, and competencies necessary to successfully compete for dietetic internship positions, to successfully complete the internship, and to pass the registration exam through a variety of experiences in the classroom and the community. The mission of the Dietetic Program also includes professional scholarly activity as well as service to the university, the dietetic profession, and the region in which Marshall University resides.

Students need to be advised that to be competitive for admission to a supervised practice experience (either a DI or AP4) requires the following: (1) a grade point average of 3.0 or above; (2) work experience related to the profession of dietetics; (3) positive letters of recommendation from faculty and from supervisors of dietetic related work experience. Completing the Bachelor of Science with a major in Dietetics and receiving an ADA "Verification of Completion Statement" does not guarantee entrance to a DI or AP4 which is done on a competitive basis.

All students are required to purchase a laboratory coat for professional laboratory courses. Some hospitals/physician offices may require that a current test for tuberculosis be on file for students enrolled for the senior level clinical nutrition classes. DPD students are required to pay a Health Professions fee listed under the Financial Information section of the catalog.

Admission

Entry to the Didactic Program in Dietetics involves formal application by candidates. Application forms are available from the DPD Director's Office. Students must submit one copy of the "Application Form for Admission to the Didactic Program in Dietetics" to the DPD Director's Office by October 15. Prior to admission to the Didactic Program in Dietetics, students interested in the major can enroll in Pre-Dietetics.

The following criteria are used for selection for admission:

1. Complete at least 60 hours of course work with an overall grade point average of 2.5 or higher.
2. Earn at least a *B* in FCS 202, 203, 210
3. Earn at least a *C* in CHM 211, 212, 217, 218

Academic Policies

1. An overall Grade Point Average of 2.5 or higher is required for graduation.
2. All dietetic and required non-dietetic courses must be completed with a grade of *C* or higher. Students who earn a grade of less than a *C* in a dietetic or required non-dietetic course must repeat that course. Dietetic students may repeat once a dietetic or required non-dietetic course in which a grade of less than a *C* is earned.
3. All students who receive a grade of less than a *C* in a dietetic or required non-dietetic course may not register for dietetic courses for which that course is a prerequisite.
4. No required course may be taken on a credit/non-credit basis.
5. The last 60 hours of required dietetic courses (including all 300 and 400 level DTS courses) and non dietetic courses must be completed within three years prior to graduation.
6. All 400 level DTS courses must be completed at Marshall University.
7. Students must be admitted to the Dietetic Program before taking required 400 level DTS courses.
8. All students admitted to the dietetic program must maintain a cumulative GPA of at least 2.0. In the event that a student's cumulative GPA falls below 2.0, that student will be placed on academic probation and will be notified in writing of this action. Students have one year to raise their cumulative GPA to 2.0. If the GPA is less than 2.0 at the end of one year of probation, the student will be dismissed from the dietetic program.

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Suggested Course Sequence For the Didactic Program in Dietetics

Freshman

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
ENG 101, English Composition (Verbal ACT > or = 18)	3	ENG 102, English Composition OR ENG 302, Research Int. Writing	3
CSD 101, Computer & Data Proc.	3	CHM 212, Princ. Chem. II	3
MTH 130, College Algebra (Math ACT > or = 21) OR	3	CHM 218, Princ. Chem. Lab. II	2
MTH 127, College Algebra (Math ACT of 18-19)	5	CMM 103, Fund. Sp. Comm.	3
CHM 211, Princ. Chem. I (Math ACT > or = 18)	3	PSY 201, Gen. Psychology	3
CHM 217, Princ. Chem. Lab. I	2	Marshall Plan (Int. Studies)	3
PE ____, Physical Education	1		17
	15-17		

Sophomore

<i>Course</i>	<i>Hrs.</i>	<i>Course</i>	<i>Hrs.</i>
FCS 202A, Food Science Principles	3	FCS 203, Meal Management	3
FCS 210, Nutrition	3	CHM 365, Intro. Biochemistry	3
CHM 327, Intr. Org. Chem.	6	ECN 250, Prin. Microeconomics	1
BSC 120, Prin. of Biology	3	PSC 233, Intr. Public Policy	3
PE ____, Physical Education	3	FCS 303, Child. Dev. (Writing Int.)	3
	16		15

Junior

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
DTS 320, Intermediate Nutrition	3	DTS 403, Advanced Nutrition	4
FCS 306, FCS Instructional Methods	3	FCS 405, Quantity Food Production	4
BSC 227, Human Anatomy	4	FCS 401, Maternal & Child Nutrition OR	
ENG LIT (Suggest 354, Sci. & Tech. Wri.)	3	FCS 410, Nutrition in Aging	3
EDF 417, Statistical Methods OR		BSC 228, Human Physiology	3
PSY 223, El. Beh. Statistics OR		MGT 320, Principles of Management	3
SOC 345, Social Statistics	3		14
	16		

Senior

<i>Course</i>	<i>Hrs.</i>	<i>Course</i>	<i>Hrs.</i>
FCS 407, Food Serv. Sys. Mgt.	3	DTS 413, Experimental Foods	3
DTS 409, Nutrition in the Community	3	DTS 470, Medical Nutrition Therapy II	3
DTS 469, Medical Nutrition Therapy I	3	MGT 424, Personnel Management	3
BSC 302, General Bacteriology	4	ACC 410, Financial Accounting	3
SOC, Intro. Sociology		Marshall Plan (Int. Studies)	3
(Multicultural Study)	3	Art, Theatre, Music, or Dance	3
	16		18

Total: 129-131 credit hours



College of Science

Dr. Thomas Storch, Dean
Dr. Ralph W. Taylor, Associate Dean

<http://www.marshall.edu/cos/>
cos@marshall.edu

Division of Biological Sciences

Dr. Marcia Harrison, Division Head (harrison@marshall.edu)
<http://www.marshall.edu/biology/>

Division of Physical Sciences

Dr. Daniel Babb, Division Head (babb@marshall.edu)
<http://www.marshall.edu/chemistry>

Division of Mathematics and Computational Science

Dr. Bruce Ebanks, Division Head (ebanks@marshall.edu)
<http://www.marshall.edu/math>

The College of Science was established in 1976 and is composed of three divisions: Biological Sciences, Physical Sciences, and Mathematics and Applied Science. The three divisions contain the college's six academic departments (Biological Sciences, Chemistry, Engineering, Geology, Mathematics, Physics, and Physical Sciences) as well as programs in Integrated Science and Technology and Environmental Science.

Most departments are housed in the Science Building, a new building with modern classroom and laboratory facilities. Course offerings by all departments within the college are available to science majors and to students in other disciplines who are interested in broadening their skills and knowledge in basic science, mathematics, computers, and engineering.

The College of Science provides an undergraduate curriculum designed to educate students aspiring to be among the finest scientists and engineers in the 21st Century.

MISSION OF THE COLLEGE

Scientific and technologically trained people are essential to our nation's health and prosperity in a rapidly expanding global economy. Students majoring in baccalaureate

degree programs in the College of Science receive a broad education conducive to pursuing a wide range of career options. Course requirements include solid grounding in the student's chosen area of scientific interest along with studies in humanities and the social sciences. Students receive instruction in a learning environment that encourages competency in written and oral communication skills along with the ability to work in groups. Special emphasis is placed on experiential learning through participation in activities such as undergraduate research, internships, or clinical practica. For non-science majors, departments in the College of Science offer a series of courses which focus on enhancing science literacy through instruction in integrated science and practical applications of mathematics.

ADMISSION REQUIREMENTS

College of Science admission requirements for students at the freshman level are higher than what is required for general admission to the university. The ACT scores required for full admission to the College of Science are a minimum mathematics score of 21 and a minimum composite score of 21. For the SAT, a score of 500 in math and a 1000 composite score are required.

Students who do not meet these admission requirements but still wish to pursue a program in the College of Science may gain admission by enrolling in another college and completing the following requirements.

1. Completion of MTH 127 (or MTH 130) and ENG 101 with a grade of C or higher.
2. Completion of at least 15 credit hours of college work with a GPA of 2.2 or higher.
3. Transfer students must have a 2.0 GPA and meet the above requirements for the ACT or SAT.

PROGRAMS

The following programs are available through the departments in the College of Science:

- Biological Science (B.S.)
- Chemistry (B.S., B.S. in Chemistry)
- Engineering (two-year curriculum)
- Environmental Management (in cooperation with Duke University)
- Environmental Science (B.S.)
- Forestry (in cooperation with Duke University)
- Integrated Science and Technology (B.S.)
- Geology (B.S. and B.A.)
- Mathematics (B.S.)
- Physics (B.S.)

In addition to satisfying the requirements for a specific major, students must meet the college requirements outlined below and the university requirements as described in this catalog.

Students entering any baccalaureate degree program in the College of Science are responsible for meeting four requirements of the Marshall Plan, baccalaureate program

initiatives approved by the faculty and the university president for all students. These initiatives include Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, and the Capstone Experience. Students in the College of Science are not required to satisfy the 4-hour Integrated Science and Mathematics initiative. Students are to consult with their academic/program advisors or the chairperson of their major departments for guidance in determining the specific details of meeting the above referenced baccalaureate curricular initiatives.

GENERAL COLLEGE REQUIREMENTS

1. Candidates for graduation must apply for graduation through the office of the dean.
2. Candidates for graduation must have a quality point average of 2.0 or higher on all work attempted at Marshall University, and must have an average of 2.0 or higher in their major. Quality point deficiencies in the major cannot be reduced by taking lower division (100/200 level) courses within the major department, except as provided for by the D and F Repeat Rule; exceptions may be allowed by the Department Chairman.
3. A minimum of 128 semester hours of credit is required for graduation. Forty-eight hours must be earned in courses numbered 300-499. Courses transferred from two-year or community colleges cannot be used to satisfy the upper division requirement.
4. The CR/NC option cannot be used: (1) for any course taken to meet the specific requirements for a B.A. or B.S. degree (see below); (2) for any course taken to fulfill the requirements for a departmental major; or (3) for any course taken to fulfill the requirements for a minor (item 5).
5. Candidates must earn at least 12 hours in a minor subject, no more than three of which may be chosen from courses in the 100 series. The minor field may be chosen from any department within the university outside of the major department.
6. During the junior year, and no later than the semester in which they have completed 90 semester hours, students should request an evaluation by the Dean's office to determine if they are making satisfactory progress towards graduation.

Specific Requirements for the B.A. and B.S. Degrees (Do not apply to Engineering Geology area of emphasis, Integrated Science and Technology or Environmental Science)

HUMANITIES

Requirements

Credit Hours

- | | | |
|-----|---|------|
| I. | English 101 and 102, or 201H | 6 |
| | Students who take either 102 or 201H on a CR/NC basis are required to pass the English Qualifying Examination. | |
| II. | Foreign Language | 3-12 |
| | Successful completion of 12-hour sequence ending with German 234, Greek 302, Latin 204, French 204 or 264R, Spanish 204 or 264R, or Japanese 204. Students with previous language experience should consult the prerequisites listed in the | |

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Course of Instruction of this catalog to determine the appropriate sequence of courses. International students may satisfy this requirement by consultation with the Department of Modern Languages.

- III. Communication Studies 0-3 hrs.
 Communication Studies 103, 104H or 305. Communication Studies 103 is not required for students who have had high school speech and who can pass a proficiency exam administered by the Communication Studies Department. Communication Studies 305 is open to juniors and seniors who have not had Communication Studies 103.
- IV. Literature 6
 Courses to be selected from the following:
 Classics 230, 231, 232, 233
 English-any 300 or 400 level literature course (ENG 354, 360, 377, 378, and other writing courses do not fulfill this requirement)
 French 317, 318, 401, 402, 403, 404
 German 301, 302, 417, 418
 Latin-any 300 or 400 level course
 Religious Studies 304, 310, 320, 325, 351
 Spanish 318, 319, 321, 402, 403
- V. Classics, Philosophy or Religious Studies 2-3
 One course to be selected from the following:
 Classics any course except 230, 231, 232, 233
 Philosophy-any course
 Religious Studies-any course except Honors

SOCIAL SCIENCES

1. Courses to be distributed in at least three fields from Economics, Geography, History, Political Science, Psychology, and Sociology and Anthropology 15
 Economics-any course
 Geography 100, 203
 History-any course
 Political Science-any course
 Psychology-any course for which the student has the necessary prerequisite, except 223 and 417.
 Sociology-Anthropology-any course for which the student has the prerequisite except SOC- 344, 345 and 445.

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SCIENCE AND MATHEMATICS

- I. Natural and Physical Sciences 12
Courses to be distributed in at least two fields from biological sciences, chemistry, geology and physics.
- II. Mathematics, minimum requirement: Completion of one of the following:
MTH 130 or equivalent and one of the of the following:
MTH 122, 140, 225, or MTH 229
See individual program descriptions for specific requirements. All students whose Math ACT score is less than 19 are required to take MAT 097. Credit received in MAT 097 cannot be applied toward the 128 hours required for graduation.

DEGREE PROGRAMS

ACADEMIC POLICIES

For students transferring from another institution into Marshall, the College of Science will permit the application of any appropriate transfer credits accepted by the university to meet general education requirements. For coursework to be accepted as fulfilling upper division requirements, that work must have been earned at institutions accredited to offer junior/senior level courses.

Students transferring into the College of Science from another institution must have a minimum GPA of 2.0. Students who do not have the requisite GPA but still wish to pursue degree work at Marshall must appeal this regulation to the Dean in writing prior to full admission to the College of Science.

Probation - If a student's GPA falls below 2.0 (a quality point deficit of -1 or greater), the student is immediately placed on probation and notified of such by mail. A student has a grace period of one academic year during which the GPA must be raised to 2.0 or greater. If the probation cannot be removed within the stated time, the student will be dismissed from the College of Science.

Academic Suspension - College of Science students who accumulate a quality point deficit of 20 or greater are automatically placed on academic suspension and are disallowed from registering for classes at Marshall University for a period of one year. Notification of suspension will be by certified letter. If there are legitimate reasons for the poor performance (poor health, accident, etc.) the suspension may be immediately appealed in writing to the Dean. The appeal should include a clear proposal and plan for removing the deficit. With permission of the Dean, classes may be attended during summer sessions.

BIOLOGICAL SCIENCES

Dr. Marcia Harrison, Chair

<http://www.marshall.edu/biology/>
biology@marshall.edu

Professors

Adkins, Binder, Elmore, Evans, Gain, Gilliam, Harrison, Hight, Joy, Kahle, Pauley, Seidel, Storch, Tarter, Taylor, Valluri, Weaks

(continued)

Associate Professors

Bird, Brumfield, Mallory, May, Strait-Holman

Assistant Professors

Somerville

Courses offered by the Department of Biological Sciences are intended to meet the needs of students preparing themselves for careers in the biological and related sciences, or who want a knowledge of the life sciences as part of their general education and/or to satisfy science requirements in other departments or programs.

Majors in the life sciences provide preparation which can lead directly to a variety of careers in industry, government agencies, and the basic and applied health fields. They also provide excellent preparation for pursuing graduate studies leading to professions in the biological and health sciences. All majors require a minimum of 40 hours of coursework in the Department of Biological Sciences. These include 20 hours of core courses, a 2 hour capstone experience requirement (BSC 491) and a minimum of 18-20 hours of electives chosen under the guidance of the faculty advisor to satisfy one of the following majors: Biology; Botany; Environmental Biology; Microbiology; Physiology/Molecular Biology; Zoology. Additional requirements include the Specific Requirements of the College of Science in humanities and social sciences, and support courses in chemistry, physics, and mathematics listed below:

CORE COURSES

Biological Science 120, 121*, 320, 322, 324	20 hrs.
CAPSTONE EXPERIENCE: Biological Science 491*	2 hrs.
Chemistry 211, 212, 217, 218, 355, 356, 361	19 hrs
Physics 201, 202, 203, 204	8 hrs.
Mathematics 132 or 229 or	5-8 hrs.
two of the following: MTH 122, 130 (or 127), 140, 225, 229	

* Students who earn a grade of A or B in BSC 104 and/or 105 prior to declaring a Biology Major may substitute these courses for BSC 120 and/or 121. Students must earn a grade of C or better in BSC 120 & 121 (B or better in BSC 104, 105) and a C or better in CHM 211 and 212 before they can enroll in any upper-level BSC course except BSC 227, 228 and 250.

It is the responsibility of each student to consult his/her adviser regarding details of meeting the capstone requirement.

MAJORS

Biology

The biology major is intended for students wanting a broadly based, flexible background in the life sciences. Any BSC course at the 200 level or above (except 227, 228, 250, or 485-488) can be used to satisfy the minimum of 18 hours of electives.

Botany

A major in botany prepares students who wish to enter graduate programs which emphasize plant biology and it is an appropriate major for those who seek positions in

government agencies where a special knowledge of plant science is required. Botany majors must complete a minimum of 18 hours selected from the courses listed below:

- BSC 405 - Economic Botany
- BSC 415 - Plant Morphology
- BSC 416 - Plant Taxonomy
- BSC 418 - Mycology
- BSC 419 - Plant Anatomy
- BSC 420 - Plant Physiology
- BSC 421 - Phycology
- BSC 430 - Plant Ecology

Environmental Biology

The major in environmental biology offers opportunities for careers in areas such as environmental health, resource management, and basic and applied ecological research. Eighteen hours of electives must be selected from the following courses:

- BSC 302 - General Bacteriology
- BSC 401 - Ichthyology
- BSC 406 - Herpetology
- BSC 408 - Ornithology
- BSC 409 - Mammalogy
- BSC 410 - Remote Sensing/GIS Appl.
- BSC 411 - Dgtl Image Proc/GIS Model
- BSC 413 - Principles of Organic Evolution
- BSC 415 - Plant Morphology
- BSC 416 - Plant Taxonomy
- BSC 420 - Plant Physiology
- BSC 421 - Phycology
- BSC 422 - Animal Physiology
- BSC 424 - Animal Parasitology
- BSC 430 - Plant Ecology
- BSC 431 - Limnology
- BSC 445 - Microbial Ecology
- BSC 446 - Microbial Ecology Lab
- BSC 460 - Conservation of Forests, Soil, & Wildlife

Microbiology

Students completing the major in Microbiology will be prepared for career opportunities in environmental, pharmaceutical, and industrial microbiology. Students will also be prepared to continue specialization at the graduate level in clinical, food and dairy, soil and sanitary bacteriology, as well as industrial microbiology. Eighteen hours of electives must be selected from the following courses:

- BSC 302 - General Bacteriology

(continued)

BSC 303 - Readings in Immunology
BSC 304 - Methods in General Bacteriology
BSC 418 - Mycology
BSC 421 - Phycology
BSC 424 - Parasitology
BSC 442 - Advanced Microbiology
BSC 445 - Microbial Ecology
BSC 446 - Methods in Microbial Ecology
BSC 450 - Molecular Biology
BSC 452 - Molecular Biology Lab Techniques

Physiology/Molecular Biology

The major in Physiology/Molecular Biology provides preparation for careers in animal physiology, plant physiology, cell biology, medicine and/or medical research. In addition to the biology courses in this major, Introductory Biochemistry (CHM 365) and Introductory Biochemistry Lab (CHM 366), are strongly recommended as supplements. Eighteen hours are required from the following courses:

BSC 300 - Histology
BSC 301 - Vertebrate Embryology
BSC 302 - General Bacteriology
BSC 303 - Readings in Immunology
BSC 304 - Methods in General Bacteriology
BSC 420 - Plant Physiology
BSC 422 - Animal Physiology
BSC 442 - Advanced Microbiology
BSC 445 - Microbial Ecology
BSC 446 - Methods in Microbial Ecology
BSC 450 - Molecular Biology
BSC 452 - Molecular Biology Lab Techniques

Zoology

The major in Zoology prepares students who have career or graduate school interests that emphasize animal biology. It is appropriate for those who plan to enter medicine, wildlife biology, or related fields. Students may select either Invertebrate Zoology (BSC 212) or Vertebrate Zoology (BSC 214) and at least 8 hours from each of the following blocks:

Block 1: Taxonomy/Ecology

BSC 401 - Ichthyology
BSC 406 - Herpetology
BSC 408 - Ornithology
BSC 409 - Mammalogy
BSC 414 - Entomology
BSC 431 - Limnology

(continued)

Block 2: Structure/Function

- BSC 300 - Histology
- BSC 301 - Vertebrate Embryology
- BSC 310 - Comparative Vertebrate Anatomy
- BSC 422 - Animal Physiology
- BSC 424 - Animal Parasitology
- BSC 426 - Medical Entomology

Minor Requirements in Biological Sciences

A student may qualify for a minor in Biological Sciences by successfully completing, with at least a C average, the following courses: BSC 120, 121, and a minimum of 8 additional hours above the 100 level, including at least one course at the 300-400 level. This is a total of 16 hours.

CHEMISTRY

Dr. Daniel Babb, Chair

<http://www.marshall.edu/chemistry/>
chemistry@marshall.edu

Professors

Anderson, Babb, Castellani, Hubbard, Larson, Norton

Associate Professors

Schmitz

Assistant Professors

Meadows, Morgan, Price, Rankin

Courses offered by the Department of Chemistry provide a program of studies that allows the individual to:

1. Obtain high quality instruction in chemistry as a scientific discipline.
2. Obtain a sound background in preparation for advanced studies.
3. Meet the qualifications of professional chemists and accrediting agencies.
4. Prepare for a professional career in medicine, dentistry, pharmacy, medical technology, engineering, nursing and other fields.

High school students planning to major in chemistry are advised to take one year of high school chemistry, one year of high school physics, and at least three years of high school mathematics (including geometry, algebra, and trigonometry).

The curriculum and facilities of the department have been approved by the Committee on Professional Training of the American Chemical Society.

Curricula in Chemistry

B.S. Degree, Major in Chemistry: This major in chemistry is intended for students needing a broadly based, flexible science background. The requirements are:

(continued)

<i>Requirements</i>	<i>Credit Hours</i>
A. Science	64
Chemistry 211, 212, 217, 218, 355, 356, 361, 307 or 358, 345, 448	31-35
Upper division Chemistry electives	3
Capstone Experience - Chemistry 491	2-4
Mathematics through 229 or 140	3-8
Physics 201-204	8
Science and Mathematics electives	10-19
B. General Humanities and Social Science Requirements	42-54
C. General Electives from any college	10-22
Students interested in careers in technical sales, management, and marketing in the chemical industry are encouraged to take the following courses as electives: Economics 250, 253. Marketing 340, 440 or 442; Management 320.	
Total	128

B.S. In Chemistry Degree: This curriculum meets the standards of the American Chemical Society and is recommended for students intending to enter the chemical profession or intending to pursue graduate work in chemistry. Students who successfully complete the requirements for the B.S. in Chemistry degree will receive a certificate from the American Chemical Society indicating that their degree meets the standards of the Committee on Professional Training. If the student takes Chemistry 423 (Environmental Analytical Chemistry) and Geology 425 (Geochemistry) as electives in the B.S. in Chemistry program, the American Chemical Society certification will reflect this as a certification of a B.S. in Environmental Chemistry. The requirements for this degree are:

<i>Requirements</i>	<i>Credit Hours</i>
A. Chemistry	51-52 hours
Principles of Chemistry 211, 212, 217, 218	10
Organic Chemistry 355, 356, 361, 362	12
Physical Chemistry 357, 358	8
Analytical Chemistry 345 and either 422, 423, or 426	7-8
Chemical Information Retrieval 305	1
Inorganic Chemistry 448	4
Capstone Experience - Chemistry 491	2-4
Research 401, 402	6
Seminars 331, 332, 431, 432	CR
Advanced electives	3
B. Physics 211, 202, 213, 204 or equivalent	10
C. Mathematics through 231	13-16

(continued)

D. General College Humanities and Social Science Requirements	42-54
E. General Electives0-14
Total	128

Grade Point Average: A grade point average of 2.0 in all required Chemistry courses as well as an overall 2.0 in all Chemistry courses will be required for either degree program.

Computer Skills: Students in either degree program are required to demonstrate their proficiency in the use of computers in chemical applications. This requirement may be met by either passing an exemption exam (given by the department each semester) or by taking CHM 223 or by taking a programming course for a scientifically useful computer language. Any student who fails to pass the exemption exam on the second attempt will be required to fulfill the requirement by completing CHM 223 or an appropriate programming course.

Honors, Research, and Special Programs in Chemistry: The department offers a number of unique enrichment programs outside the above curricula that are open to students in either degree program. All entering students in chemistry should contact either the department office or their advisor for full details.

Minor in Chemistry

The Department of Chemistry awards a minor in chemistry to students who have completed the following courses with a minimum grade of C in each course: CHM 211, 212, 217, 218, and any two additional courses chosen from CHM 307, 345, 355, 356, 357, 358, or 448.

ENGINEERING

Dr. Richard Begley, Chair

<http://www.marshall.edu/engineering/>

engineering@marshall.edu

Professor

Begley

Assistant Professor

Cartwright

Marshall University offers a pre-engineering program which consists of the first two years of a professional engineering curriculum. To qualify for admission a minimum Math ACT score of 21 is required.

A structured sequence of engineering courses is offered in conjunction with selected supportive courses from other departments of the university. The engineering courses are general in nature, common to many specialized engineering curricula offered in schools throughout the country.

With the possible exception of chemical engineering, where specialized coursework is sometimes offered in the second year, students transferring to professional engineering programs after two years should be able to complete their B.S. requirements in the

normal amount of time. Since requirements may vary slightly for different professional schools, students should meet with the pre-engineering advisor early in their programs to plan their courses of study.

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
CHM 211 Principles of Chemistry I ..	3	CHM 212 Principles of Chemistry II ...	3
CHM 217 Chem. Lab. I	2	CHM 218 Chem. Lab. II	2
ENG 101 English Composition	3	ENG 102 English Composition	3
EG 101 Engr. Graphics	3	EG 108 Engr. Design	2
EG 107 Engr. Computations	2	MTH 230 Calculus II	4
MTH 229 Calculus I	5	CSD 203/205 Fortran/C Prog*	3
Elective*	<u>0-2</u>		17-19
	18		

*Electives may be technical or nontechnical, according to the particular requirements of the chosen program.

*See program advisor for choice of Fortran or C.

Second Year (All except Chemical or Electrical Engineering Majors)

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
EM 213 Statics	3	EM 214 Dynamics	3
EM 215 Engr. Materials	3	EM 216 Mech. of Deformed Bodies	4
EG 221 Engr. Economy	3	EM 218 Fluid Mechanics	4
MTH 231 Calculus III	4	MTH 335 Ord. Differential Eq	3
PHY 211 Princ. of Physics	4	PHY 213 Princ. of Physics	4
PHY 202 or 212 Physics Lab	<u>1</u>	PHY 204 or 214 Physics Lab	<u>1</u>
	18		19

Second Year (Electrical Engineering Majors)

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
EM 213 Statics	3	EM 214 Dynamics	3
EM 215 Engr. Materials	3	EE 204 Digital Logic Design	3
EE 201 Circuits I	4	EE 202 Circuits II	4
MTH 231 Calculus III	4	MTH 335 Ord. Differential Eq	3
PHY 211 Princ. of Physics	4	PHY 213 Princ. of Physics	4
PHY 202 or 212 Physics Lab	<u>1</u>	PHY 204 or 214 Physics Lab	<u>1</u>
	19		18

Second Year (Chemical Engineering Majors)

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
EM 213 Statics	3	EM 214 Dynamics	3
EM 215 Engr. Materials	3	EM 218 Fluid Mechanics	4
CHM 355 Organic Chemistry I	3	CHM 356 Organic Chemistry II	3
MTH 231 Calculus III	4	MTH 335 Ord. Differential Eq	3
PHY 211 Princ. of Physics	4	PHY 213 Princ. of Physics	4
PHY 202 or 212 Physics Lab	<u>1</u>	PHY 204 or 214 Physics Lab	<u>1</u>
	18		18

TRANSFER TO BACCALAUREATE PROGRAMS IN ENGINEERING

Administrative Bulletin No. 23 of the Board of Trustees establishes policies for transfer of students from pre-engineering programs to baccalaureate programs at West Virginia University and West Virginia University Institute of Technology.

POLICIES AND PRACTICES FOR THE TRANSFER PROCESS

- A. Any student (1) who is a resident of West Virginia, (2) who meets the admission standards for a receiving institution at the time they are admitted by the sending institution, (3) who maintains a GPA of 2.0 or higher during the equivalent of four terms (64 credit hours) at a sending institution will be assured admission into a baccalaureate program in engineering at the receiving institution, provided the student has satisfactorily completed all prerequisite courses. Qualified students who have completed fewer than 64 credit hours at a sending institution will be considered for admission to a baccalaureate engineering program at a receiving institution in the same manner as the receiving institution's regular returning students. Students should consult the college handbook of the desired receiving institution for admission requirements.

Students who have completed a pre-engineering program should have completed the following core of courses:

Calculus	12 hrs.
Chemistry	8 hrs.
Physics	8 hrs.
English	6 hrs.
Statics	3 hrs.
Computer Programming	2 hrs.
Graphics	2 hrs.

- B. Any student (1) who is **not a resident** of West Virginia, (2) who meets the non-resident admission standards for a receiving institution at the time they are admitted by the sending institution, and (3) who maintains a GPA of 2.0 or higher during the institution will be assured admission into a baccalaureate program in engineering at a receiving institution, provided the student has satisfactorily completed all prerequisite courses. Qualified students who have completed fewer than 64 credit hours at a sending institution will be considered for admission to a baccalaureate engineering program at a receiving institution on a case-by-case basis.
- C. Any student who does not qualify under A or B above, but who nonetheless is admitted to a pre-engineering program at a sending institution, must be informed that there is no assurance that he or she will be admitted to a baccalaureate program in engineering at a receiving Institution. These students will be admitted to the College of engineering and to a curriculum if they have completed at least 8 hours of calculus, 8 hours of applicable physics or chemistry, and 4 hours of graphics and computer programming and one semester of freshman composition with an overall 2.5 GPA and a 2.5 GPA in math and science courses. Students who do not meet the minimum transfer requirements, but who demonstrate special aptitude for engineer-

(continued)

ing studies, may request admission to a baccalaureate program in engineering at a receiving institution by written petition to the appropriate administrator at the receiving institution. Although these guidelines are designed to accommodate students who wish to transfer into a baccalaureate engineering program from an approved two-year pre-engineering program, differences in the range and scope of offerings at each institution cannot assure that a student will be able to complete the baccalaureate degree in all fields of engineering within a four-year period.

Any student who is admitted by transfer from a pre-engineering program at a sending institution will be treated by the receiving institution like the receiving institution's regular returning student. Access to student housing and other privileges at the receiving institution will be controlled by the usual offices, in accordance with the institution's standard practices.

All pre-engineering students at a sending institution will have an opportunity annually to consult with academic advisors from the receiving institutions to ensure adequate articulation of engineering program requirements.

The number of slots available in certain high demand programs at West Virginia University may be limited. In these cases, West Virginia University may invite qualified applicants to select another field.

ENVIRONMENTAL SCIENCE

The Bachelor of Science in Environmental Science degree program is a multi-disciplinary program supported by the College of Science, the Lewis College of Business, and the School of Medicine. The degree program provides a broad knowledge of relevant science areas with environmental concentrations in specific disciplines. The Environmental Science degree will prepare students for professional careers including state and federal jobs in natural resource management and environmental protection, and business/industrial jobs in environmental management. It also prepares students for advanced studies in environmental sciences.

The Environmental Science degree consists of a common core of approximately 81 credit hours of science, business, and general education courses, and approximately 48 credit hours in an area of concentration selected by the student for a total of at least 128 semester hours. The exact number of hours in the core and concentration will vary slightly according to the specific courses selected.

The curriculum of the degree program comprises seven sections: I) Orientation to Environmental Science; II) English Composition/Communication; III) Mathematics, Statistics, Computer Science; IV) Humanities and Social Sciences; V) Natural Sciences; VI) Concentration courses; and VII) the Capstone Project. The Capstone Project provides the student an opportunity to apply completed coursework to a relevant project, such as the development of an Environmental Impact Statement, this could take the form of either thesis or internship.

Students will be responsible for meeting the following initiatives, as stated in the Marshall Plan, while completing the Environmental Science degree: Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, and the Capstone experience.

Environmental Science majors will comply with the College of Science general requirements. The specific requirements for the B.A. and B.S. degrees do not apply to this degree. Please consult the catalog course descriptions for appropriate course prerequisites.

CONCENTRATIONS

One concentration with environmental emphasis will be selected by the student from the following areas:

- Environmental Assessment and Policy
- Geology
- Chemistry

More detailed descriptions for each of the concentrations are available at the College of Science office.

ENVIRONMENTAL SCIENCE CORE COURSES

I. Orientation to Environmental Science	7
ES 100 Introduction to Environmental Science	3
ES 200 Environmental Science Seminar I	2
ES 300 Environmental Science Seminar II	2
II. English Composition/Communication	3
ENG 101 English Composition I	3
ENG 102 (or 201H) English Composition II	3
CMM 103 (or 104H) Fund. of Speech Communication	3
ENG 354 Scientific and Technical Writing	3
III. Mathematics, Statistics, Computer Science	11-12
MTH 229 Calculus & Analytical Geometry I	5
Statistics	3
Visual Basic <u>OR</u> other comparable course or with approval by the program director	3
IV. Humanities and Social Sciences	21-24
ECN 200 Survey of Economics <u>OR</u>	
ECN 250 Principles of Microeconomics	3
ECN 405 Environmental Economics	3
GEO 320 Conservation of Natural Resources or GEO 317, World Geography Problems	3
PSC 233 Introduction to Public Policy	3
Electives:	9-12
Courses to be distributed in at least three fields from History, Literature, Philosophy, Psychology, Religion, Sociology, Anthropology, and Fine Arts	

(continued)

Note: Students must satisfy the university requirements for Writing Across the Curriculum (3 hrs.), International Studies (6 hrs.) and Multicultural Studies (3 hrs.) using Sections I-IV above.

V. Natural Sciences	26-27
BSC 120 Principles of Biology I	4
BSC 121 Principles of Biology II	4
CHM 211 Principles of Chemistry I	3
CHM 217 Chemistry I Lab	2
CHM 212 Principles of Chemistry II	3
CHM 218 Chemistry II Lab	2
GLY 200 Physical Geology	3
GLY 210L Earth Materials Lab I	1
PHY 201 General Physics I	3-4
<u>OR</u> PHY 211 Principles of Physics I	
PHY 202 General Physics Lab I	1
Core Credit Hours (Depending on core electives and concentration)	77-82

CONCENTRATION COURSES

VI. Student will select a concentration area	41-44
VII. Capstone Project (in concentration area):	4
Total Hours	128

FORESTRY AND ENVIRONMENTAL STUDIES

Cooperative Plan of Study

Marshall University and the Duke University School of the Environment have entered into an agreement whereby a student may spend three years at Marshall followed by two years at Duke. Students who are accepted by Duke for this program pursue one of two degrees: Master of Forestry (M.F.) or Master of Environmental Management (M.E.M.). At the end of the fourth year (minimum of 24 Duke credits) the student may be eligible for the B.S. degree with a major in Biological Sciences from Marshall University. Following the fifth year (minimum total of 48 Duke credits) students may qualify for one of the two professional Master's degrees.

Students are normally admitted only at the beginning of the fall term.

Applications to Duke University should be submitted by February 15 preceding the fall in which admission is desired. Duke requires the Graduate Record Examination (GRE) for admission. Students should arrange to take the GRE in the first semester of the junior year.

The curriculum outlined below shows the courses required of students who seek admission to Duke as biology majors at Marshall. Marshall requires a quality point average (GPA) of 2.5 or higher for the three years of on-campus work. Students are strongly encouraged, however, to maintain a QPA of 3.0 or higher to qualify for accep-

tance into Duke. Students accepted into the program over recent years have had a mean GPA of approximately 3.3. In the fourth year a sufficient number of hours must be successfully completed at Duke to total 128 when added to those already completed at Marshall.

Forestry and Environmental Studies majors are required to meet the Marshall University College of Science requirements for the B.S. degree and to take the following courses:

Biological Sciences 120 and 121	8 hrs.
Biological Sciences 320, 322, and 324	12 hrs.
Chemistry 211, 212, 355-356, and 361	15 hrs.
Chemistry 217 and 218	4 hrs.
Physics 201, 202, 203, and 204	8 hrs.
Mathematics 225 and 229	8 hrs.
Economics 250	3 hrs.

DEPARTMENT OF GEOLOGY

Dr. Dewey Sanderson, Chair

<http://www.marshall.edu/geology/>

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Professors

Bonnett, Ghosh, Martino, Sanderson

Programs of study offered by the Department of Geology are designed for individuals seeking a career as an earth scientist. The greatest numbers of geologists are employed by natural resource industries. These include metallic and non-metallic mining companies as well as petroleum, natural gas, and coal companies. New and challenging careers have recently developed in environmental and engineering geology. The majority of graduates in the past few years have found employment with environmental and geotechnical companies. Other employers include geological surveys, and local, state, and federal regulatory agencies. Career opportunities in the teaching profession at the high school and university level may also be available to those with advanced degrees.

The Department of Geology offers 2 degree programs (B.A. and B.S.) which have been recognized and approved by the American Institute of Professional Geologists, a national organization that certifies professional geologists.

The Bachelor of Arts degree in Geology is designed for those who prefer greater curriculum flexibility, are less certain of their career objectives, or who may wish to enter the teaching profession at the junior high or high school level.

The Bachelor of Science degree in Geology is intended for those who wish to directly enter the Geology/Earth Science profession upon completion of the degree or wish to further their education at the graduate level.

The department also offers a Bachelor of Science in Geology with emphasis in engineering geology. This area of specialization is one of several that can be pursued and has recently developed as a formal program with its own specific curriculum. It has been added in order to meet the increasing demand for geoscientists who are trained in the

acquisition, interpretation, and use of earth materials (rock, soil, ground water) for the solution of engineering problems. The program provides geologists with specific training that will enable them to effectively interact with and support engineers. Its curriculum involves a heavy emphasis of coursework in math, physics, and engineering, and completion of a senior thesis. By completing this curriculum, candidates would automatically complete the requirements for a minor in engineering.

The department offers local and distant field trips to provide experience in a variety of natural geological settings. A wide range of coursework is available which can be tailored to meet specific career tracks. Students also have ample opportunity to participate in independent or cooperative research projects with faculty. The Geology Department currently has a working arrangement with the U.S. Army Corps of Engineers which allows students to work part time at the Corps while pursuing their degrees. Geology majors may also participate in Marshall University's cooperative program with the U.S. Army Corps of Engineers. A co-op student's schedule is crafted by the Department of Geology and the Division of the Corps that employs the student. Following the first year, the student alternates semesters of coursework with semesters of work experience. Completion of the cooperative program normally takes five years.

High school students interested in geology as a career option are advised to take one year of chemistry, one year of physics or biology, and mathematics through at least geometry, algebra and trigonometry. Courses in physical or earth science are also highly recommended.

Requirements

All Majors:

Chemistry 211, 212; labs. 217, 218

Biology or Physics -4 hrs. -Biological Science 120 or PHY 201-202

Geology 110 (minimum B grade required) or 200, 210L, 201, 211L, 212, 313, 314, 325, 430, 451, 451L, 491 and/or 492

Additional requirements for the B.A. Degree Program:

7-8 additional hours of 300-400 level Geology courses and Math 122 and 130, or Math 132.

Total Geology hours: 39-42

Additional requirements for the B.S. Degree:

Math 229; recommended: Mathematics 230, 231 - especially for those planning graduate work.

Biology or Physics -4 hrs. (Total: 8 hrs.) Biological Science 120 and/or 121 and/or Physics 201-203 and/or 202-204

Geology 421 or 423; plus an additional 11-12 hours selected from GLY 418, 421, 422, 423, 425, 426, 427, 455 and 455L, 456 and 456L, 457.

Total Geology hours: 47-50, depending on course selection

Elective Courses: Geology 280, 281, 282, 283, 410, 485, 486, 487, 488.

GLY 485-488 may be substituted for required choices with approval from the Chairman of the Department of Geology.

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Requirements for Engineering Geology area of emphasis:

Mathematics 229, 230, 231	13
Chemistry 211, 212, 217, 218	10
Physics 211, 212 (or 202), 213, 214 (or 204)	10
Geology 200, 210L, 201, 211L, 212, 313, 314, 325, 430, 451, 451L, 455, 455L, 456, 456L, 457; 421 or 423;	45
4 hours from 491 and/or 492	4
Engineering Mechanics 213, 215, 216, 280, 285	14
General Mechanics 107	2
English: 101 & 102, 354	9
Communication Studies 103 or 104H or 305 or proficiency	0-3
Literature courses to be selected from:	3
Classics 230, 231, 232, 233	
English - any 300 or 400 level literature course, except ENG 354	
French 317, 318, 401, 402, 403, 404	
German 301, 302, 417, 418	
Latin - any 300 or 400 level course	
Religious Studies 202, 304, 310, 320, 325, 351	
Spanish 318, 319, 321, 402, 403	
Classics/Philosophy or Religious Studies	2-3
One course to be selected from the following:	
Classics - any course <u>except</u> 230, 231, 232, 233	
Philosophy - any course	
Religious Studies - any course <u>except</u> Honors	
Social Sciences:	15
Economics - any course	
Geography 100, 203	
History - any course	
Political Science - any course	
Psychology - any course with proper prerequisite <i>except</i> 233 and 417	
Sociology/Anthropology - any course with proper prerequisite except SOC 344, 345 and 445	

A total of 16 hours of engineering coursework is required. Other engineering courses may be substituted (maximum of 7 hours) for the required ones where deemed appropriate by the Geology and Engineering Department Chairs.

The engineering geology area of emphasis will require 4 hours of capstone experience (GLY 491 and/or 492) which will be devoted to a senior thesis or an internship. This will involve a research project that will involve the acquisition, analysis, and interpretation of data related to any topic within the scope of engineering geology. A written thesis and

oral defense will be required which will need the approval by a majority of geology faculty, including the student's thesis director.

Minor in Geology

The Department of Geology awards a minor in geology to any student who has successfully complete, with at least a C average, 12 hours of Geology coursework. At least 9 hours must be in courses at the 200 level or above.

INTEGRATED SCIENCE AND TECHNOLOGY

Dr. William Denman, Acting Director

<http://www.marshall.edu/isat/>

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Professors

Anderson (CHM), Bellis (PHY), Cusick (MTH), Denman (CMM), Ebanks (MTH), Lancaster (MTH), Little (IST), Oberly (PHY), Silver (MTH)

Associate Professors

Adkins (MTH), Al-Haddad (IST), Woods (CMM)

Assistant Professors

Cartwright (EG), Fet (BSC)

The B.S. degree in Integrated Science and Technology is a new degree program that provides an alternative to traditional programs in science, technology, and engineering. It is integrated in two ways. Individual courses have subject matter from different disciplines integrated into new configurations, moving beyond single-subject courses. In addition, the program itself integrates subjects into a unified sequence of courses that provides a conceptual whole for students. To accomplish this the IST program brings together faculty and subject matter from engineering, chemistry, physics, biological sciences, computer and information science, mathematics, English, communication studies, management, and medicine to create a unique degree program.

The IST degree program has the following objectives:

- To create a more effective method of engaging students by presenting the value and excitement of science and technology in today's world;
- To provide for the development of communication skills throughout the curriculum, thus enhancing each students' potential for successful employment.
- To demonstrate the importance of science and technology to the needs of society and relate the issues of society to those who engage in science and technology.
- To integrate the use of computers and expert systems as a curriculum tool to teach decision-making, information gathering, and communication
- To provide a broad, interdisciplinary curriculum that will more fully prepare graduates for changing employment opportunities;
- To create future employees who have solid backgrounds in science and technology as well as the communication and people skills necessary to work in a flexible and changing work environment.

Admission Standards

- A composite score on the ACT test of at least 21;
- A mathematics score on the ACT test of at least 21;
- Recommended are at least two years of study in a modern foreign language;
- In addition to two years of algebra, a unit of geometry and a unit of trigonometry or advanced mathematics is also recommended.
- Submission of a separate application form for the Integrated Science and Technology program along with a transcript of high school work.

Program Components

The College of Science General Requirements do not apply to students in the Integrated Science and Technology program. Marshall Plan requirements do apply. The IST program has four major components:

- General education requirements that include communication courses, "connections" courses that examine the relationships between society and science and technology, courses in the liberal arts, social sciences, a modern foreign language, and a public service/volunteerism experience;
- Core courses consisting of analytical methods, instrumentation, and the Issues in Science and Technology block.
- Strategic Sector courses, taken in the Junior year, that allow students to begin work toward their concentration while examining other areas of the program, including courses in management.
- Courses which replace the traditional major. Concentrations conclude with a senior project, a "capstone" experience that can be a thesis, a research project, or a report on an internship. The concentrations in the IST program are Biotechnology, Manufacturing, Environmental Studies, and Information Technology.

The Integrated Science and Technology degree is a four-year program that requires 128 credit hours.

BACHELOR OF SCIENCE DEGREE IN INTEGRATED SCIENCE AND TECHNOLOGY

GENERAL EDUCATION REQUIREMENTS

Hours

Communications

IST 101 Fundamentals of Communication 4

IST 201 Advanced Communications 4

Connections

IST 120 Connections 1 2

IST 220 Connections 11 2

Humanities, Arts, and Literature

PHL 302 Applied Ethics 3

(continued)

Literature	3
(A course in literature from English, Classics or those offered in Spanish, French or German, as well as an appropriate Honors course.)	
The Arts: ART 112, MUS 142, or THE 112	23
Language and Cross-Cultural Experience	6
Students may meet the language and cross-cultural experience requirement by completing FRN 203 and 204, GER 203 and 204, SPN 203 and 204, or JPN 203 and 204.	
Students will be encouraged to meet this requirement through enrollment in a language study program, offered either by Marshall University or another institution, that includes intensive work in a modern foreign language, and that culminates in a work, internship, or mentorship experience in a setting where the student uses the foreign language.	
Social Science*	9
Social Science courses are to be distributed in at least three fields chosen from Economics, Geography, History, Political Science, Psychology, and Sociology/Anthropology.	
Economics: any course.	
Geography: 100,203, 206, 302, 305, 309, 315, 317, 320, 401,402,405,408,410,412,420.	
History: any course	
Political Science: any course	
Psychology: any course except 223 and 417.	
Sociology/Anthropology: any course except SOC 308, 344, 345, and 445.	
*In selecting a social science course students should be sure they meet the International or Multicultural portions of the Marshall Plan.	
Public Service/Volunteer Experience	1
IST 301 Public Service Experience	1
Each student will participate in a public service or volunteer experience, selected with permission from his or her advisor, which gives the student an experience working in a volunteer capacity with a group, organization, or agency that offers a service to the general public. Such experience should consist of at least 30 contact hours accumulated over a year or less.	
Elective Course	3
Each student shall select an elective course, that is not a science or mathematics course, from among those offered by the university, with approval from his or her advisor.	
Total Required General Education Hours	40

PROGRAM REQUIREMENTS

Hours

CORE COURSES

Analytical Methods	14
IST 130 Analytical Methods I	4
IST 131 Analytical Methods II	4
IST 230 Analytical Methods III	3
IST 231 Analytical Methods IV	3
Issues in Science and Technology	14
IST 111 Issues I: Living Systems	4
IST 112 Issues II: Chemistry in the Environment	4
IST 211 Issues III: Modern Production	3
IST 212 Issues IV: Energy	3
Instrumentation	6
IST 160 Instrumentation I	3
IST 260 Instrumentation II	3
Total hours in Core Courses	34

STRATEGIC SECTORS

Students should choose 24 hours from the following:

Environmental Science

IST 320 Nature of Environmental Problems	3
IST 321 Resolution of Environmental Problems	3

Information Technology

IST 330 Knowledge Engineering Fundamentals	3
IST 331 Intelligent Information Systems	3

Biotechnology

IST 340 Double Helix: Issues in DNA Technology	4
IST 341 Issues in Human Genetics	4

Manufacturing Systems

IST 350 Manufacturing Systems	3
IST 351 Automation in Manufacturing	3

Management

MGT 320 Principles of Management	3
MGT 420 Operations Management	3

Total hours in Strategic Sectors: 24

(continued)

CONCENTRATIONS

Environmental Studies	
IST 420, Remote Sensing with Geographic Information Systems	4
IST 421, Digital Image Processing and Computer Simulation Modeling	4
IST 422, Field Sampling for Environmental Systems	3
IST 423, Geochemical Systems	3
Information Technology	
IST 430 Electronic Commerce	3
IST 431 Systems Engineering	4
IST 432, Database Information Management	3
IST 433, Network Communications	3
Biotechnology	
IST 440 Integrated Genetic Systems	4
IST 441 Integrated Metabolic Systems	4
IST 442 Medical Biotechnology	3
IST 443 Industrial Biotechnology	3
Manufacturing	
IST 450 Manufacturing Processes	3
IST 451 Material Science in Manufacturing	3
IST 452 Process Capability, Control and Monitoring	3
IST 453 Design for Manufacturability	3
Total hours from a Concentration	12-14
Senior Project	6
Technical Electives	10-12
TOTAL CREDIT HOURS FOR GRADUATION	128

COURSE OF STUDY

YEAR ONE

Fall Semester

IST 101 Fund. of Communication	4
IST 111 Issues I: Living Systems	4
IST 120 Connections I	2
IST 130 Analytical Methods I	4
General Education Course	3
	<u>17</u>

Spring Semester

IST 112 Issues II- Chemistry in the Environment	4
IST 131 Analytical Methods II	4
IST 160 Instrumentation I	3
General Education Course	3
General Education Course	3

(continued)

YEAR TWO

Fall Semester

IST 211 Issues III: Modern Production	3
IST 230 Analytical Methods III	3
IST 260 Instrumentation II	3
General Education Course	3
General Education Course	3
	<u>15</u>

Spring Semester

IST 212 Issues IV: Energy	3
IST 231 Analytical Methods IV	3
IST 201 Advanced Communication	4
IST 220 Connections II	2
General Education Course	3
	<u>15</u>

YEAR THREE

Fall Semester

Strategic Sector Courses	12
General Education Courses	6
	<u>18</u>

Spring Semester

Strategic Sector Courses	12
General Education Course	3
IST 301 Public Service Experience ...	1
	<u>16</u>

YEAR FOUR

Fall Semester

Concentration Courses	6-7
Senior Project	3
IST Electives	6
	<u>15</u>

Spring Semester

Concentration Courses	6-7
Senior Project	3
IST Electives	6
	<u>15</u>

MATHEMATICS

Dr. Bruce Ebanks, Chair

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Professors

Carlton, Cusick, Drost, Ebanks, Hatfield, Lancaster, Peele, Pupplo-Cody, Rubin, Silver

Associate Professors

Adkins, Aluthge, Mitchell

Assistant Professors

D. Denvir, J. Denvir, Feist, Horwitz, Stickles

Instructors

Bedway, Godbey, Stapleton

The Department of Mathematics offers a Bachelor of Science degree program which prepares students for careers in the mathematical sciences and related disciplines. The program provides a solid mathematical foundation which enables students to perform successfully in industrial, business or government positions, or in graduate studies in mathematics or related areas such as engineering and economics. It may also be used to prepare for secondary mathematics certification or for professional programs such as law and medicine.

Mathematics also serves as an essential tool for many other majors, and it plays an important role in the general education of all students. The Department of Mathematics at

(continued)

Marshall University makes every effort to help students learn valuable critical thinking and problem-solving skills.

Majors must fulfill the general and specific requirements for the B. S. degree in the College of Science. Students should go to the College of Science dean's office, Science 270, in order to declare a mathematics major. Within the 128 semester hours required for the B. S. degree, the major in mathematics must complete the following coursework:

The program requires the following core courses for all majors:

1. MTH 229, 230, 231, 300, 301, 330, 427, 445, 450, and 491
2. A minimum of two electives from the following list: MTH 335, 340, 411, 428, 443, or 446, at least one of which must be MTH 428 or MTH 446
3. A computer programming course in Visual Basic (IST 160 or CSD 280) or C++ (EG 280)

Transfer students who wish to major in mathematics must complete at least nine hours of 300-400 level coursework at Marshall University.

The American College Test score in Mathematics is utilized for the placement of students. Relevant information regarding such placement is included under prerequisites in the Courses of Instruction. Students wishing to challenge their placement in MAT 097 may do so by taking the Mathematics Placement Exam administered from time to time by the Marshall Community and Technical College.

A student enrolled in Marshall may receive credit for certain courses in mathematics by successfully completing the appropriate examination of the College Level Examination Program (CLEP).

Advanced placement in mathematics is granted on the basis of Educational Testing Service Advanced Placement Test scores. Students who score 4 or 5 on the Calculus AB examination are given credit for Mathematics 130 and Mathematics 229, and those who score 4 or 5 on the Calculus BC examination are given credit for Mathematics 229 and Mathematics 230. Students who score 3 on BC are given credit for MTH 229; those who score 3 on AB are given credit for Mathematics 132.

Teacher Certification in Mathematics

Students interested in pursuing teaching certification in mathematics should see the dean of the College of Education and Human Services.

Master of Arts

The Department of Mathematics also offers an M.A. degree program in mathematics. Graduate assistantships carrying stipends and tuition waivers are available. Please consult the Graduate Catalog for further details.

Minor in Mathematics

The Department of Mathematics offers a minor in mathematics available to all students at Marshall University. Students choosing this minor will find expanded job opportunities in business, education, government, and industry.

This minor can be helpful to students in pre-professional programs in the health sciences. A solid grounding in the fundamentals of mathematics is needed in order to perform satisfactorily on aptitude examinations that must be taken prior to admission to a professional school.

This minor can be used as an important component of a student's preparation for admission to law school.

As student may qualify for a minor in mathematics by successfully completing, with at least a C average, the following courses: MTH 229 (5 hours), 230 (4 hours), and a minimum of six additional hours of courses number MTH 225 or higher.

PHYSICS

The Department of Physics and Physical Science offers coursework leading toward the B.S. degree in physics. The physics major must complete all College of Science general requirements for the B.S. degree.

The physics major must complete the calculus sequence through differential equations and a minimum of 38 hours of required coursework in the major. The completion of the B.S. in physics prepares the graduate for graduate school in physics or engineering, medical school, or other professional programs; or for direct employment in government or industrial laboratories, and other technically related fields.

Among the coursework options open to physics and other science majors are applied physics courses which emphasize applications of optics (PHY 440), electronics (PHY 430), and radiation (PHY 450) to the medically related fields.

Additional related programs within the department lead to an A.B. degree with a specialization in physics and/or general science, and an M.S. degree in physical science.

The physics major working to complete a B.S. degree is required to complete:

1. Physics 211, 202, 213, 204, or equivalent.
2. Physics 300, 302, 320, 330, 442, and 491 (the capstone course)
3. Ten additional semester hours of 300-400 physics courses selected from the catalog, including at least 4 semester hours of advanced laboratory courses (Physics 405, 415, 421, 463).
4. Mathematics 229, 230, 231, 335.

Majors in physics must demonstrate to the department faculty fundamental skills in utilizing computers, which include using software packages for data analysis and word processing, interfacing experiments for data collection, and computer modeling. Students lacking these skills can fulfill this requirement by taking appropriate courses which have the approval of the Department of Physics and Physical Science.

Minor in Physics

The Department of Physics awards a minor in physics to students who have completed the following courses with at least a C average: PHY 201 (or 211), 202, 203 (or 213), 204, and any two additional physics or physical science courses at the 300-400 level.

PREPARATION FOR PROFESSIONAL CAREERS IN HEALTH SCIENCES

With the emergence of medicine as a science, and the demand by a modern society for better access to all levels of health care, the challenges presented by a career in the health professions today are both formidable and exciting. The student who is contemplating a career in health sciences is required to have a solid foundation in the natural sciences. As a result, students who plan to study in any of the health professions should include in their high-school subjects one and one-half units of algebra, one unit of geometry, one unit of chemistry, and one unit of physics.

There is no bachelor's degree, as such, granted in pre-medicine or any of the other related health sciences. While most pre-professional students major (i.e. work towards the bachelor's degree) in either chemistry or biological sciences, students may major in virtually any field and still apply to a professional school (dentistry, medicine, etc.). However, it should be recognized that a thorough knowledge of the sciences is needed if one expects to perform satisfactorily on aptitude examinations that must be taken prior to applying for admission to a professional school. Thus the following pre-professional health programs, along with basic course requirements, are outlined for the prospective student. The courses listed under each program are considered minimum requirements, and are usually completed during the first two years of undergraduate work.

COMBINED COLLEGE AND PROFESSIONAL DEGREES

The tendency among medical or dental colleges is to require four years of pre-professional preparation, and preference is given to applicants having such preparation.

A student wishing to study medicine or dentistry at a professional school may be granted a leave of absence during the senior year at Marshall University. To secure this leave of absence the student must file a written report in the office of the dean immediately after gaining admission to the professional school and before the termination of coursework at Marshall University. Failure to discharge this responsibility voids candidacy for the degree under this program. At the end of the first year in the professional school the student then is eligible for the baccalaureate degree from Marshall University, provided that all requirements for graduation are met except the completion of a major, and that the student can present certification from the professional school that he/she has successfully completed the first year at the professional school, and that a sufficient number of semester hours of good quality work has been completed to total 128 when added to these earned at Marshall.

At least 96 hours of study must have been completed and a quality point average of 2.0 must have been earned by the student at Marshall University. Candidates for the degree must attend the regular Marshall University commencement, or have permission to graduate "in absentia."

As one can see from examining the various pre-professional programs, undergraduate requirements, aptitude testing examinations, application for admission to a professional school, etc. may vary considerably. Therefore, it is strongly recommended that pre-professional students discuss their programs at least once each semester with one of the following members of the Pre-Professional Advisory Committee: Dr. Daniel R Babb, (Chemistry) Co-Chairman, Dr. James E. Joy (Biology) Co-Chairman, Dr. Mary Etta Hight (Biology), Dr. David Mallory (Biology), Dr. E. Bowie Kahle (Biology), Dr. William Westbrook (Sociology), Dr. Ralph Taylor (Biology).

(continued)

PRE-PHYSICAL THERAPY **(Requires completion of a four year BA/B.S. degree)**

Courses:

Biological Science (BSC) 120,121 and 227
Chemistry (CHM) 211, 212, 217 and 218
English (ENG) 101 and 102
Mathematics (MTH) 130 or 127, 122 and 225, or 229 and 225
Physics (PHY) 201, 202, 203, 204
Psychology (PSY) 201, 311
Family and Consumer Science 210

Exams:

AHPAT - junior/senior year

Other Courses:

12 hours from Art, English Literature, Languages, Music, Philosophy, Religious Studies or Speech (must be distributed in at least three fields); 6 hours from Economics, Geography, History, Political Science, Sociology (Anthropology)

Other Requirements:

The ability to swim, or courses in swimming, volunteer or work experience in physical therapy.

PRE-VETERINARY MEDICINE (4 years)

Courses:

Biological Science (BSC) 120 and 121
Chemistry (CHM) 211, 212, 217, 218, 355, 356, 361, 365, 366
English (ENG) 101,102
Genetics (BSC) 324
Mathematics (MTH) 130 or 127 and one of the following: 122, 229, 140, or 225
General Bacteriology (BSC) 302
Physics (PHY) 201, 202, 203, 204

Exams:

MCAT, VAT or GRE and GRE Advanced Biology Section

Other Courses:

Follow catalog for degree requirements for a B.S. or B. A.

Recommended Electives:

BSC 322, CL 200, SOC 200, BSC 301

PRE-OPTOMETRY (3 years)

Courses:

Biological Science (BSC) 120 and 121
Chemistry (CHM) 211, 212, 217, 218, also 355, 356, 361
Social Sciences -Any course (12 hrs.)
English (ENG) 101 and 102

(continued)

Mathematics (MTH) 130 or 127 and 122 or 132 (and 140 recommended) or 229; 225
Physics (PHY) 201, 202, 203, 204
Psychology (PSY) 201

Exams:

OAT October or March of sophomore year

Other Courses:

Check carefully catalog of Optometry College. Requirements vary.

Recommended Electives:

CHM 356, 307; MTH 230, 231; PHY 350, 440; PSY 311 or 440; BSC 302, 310, 315

PRE-PHARMACY (2 years)

Courses:

Biological Science (BSC) 120 and 121
Chemistry (CHM) 211, 212, 217, 218 and 355, 356 and 361
Economics (ECN) 250
English (ENG) 101 and 102
Mathematics (MTH) 130 or 127 and 122 and 140
Physics (PHY) 201, 202, 203, 204

Exams:

PCAT November or February of sophomore year

Other Courses:

12 hours from Art, English, Literature, Languages, Music, Philosophy, Religious Studies
(must be distributed in at least three fields)
6 hours from Geography, History, Political Science, Psychology, Sociology/Anthropology

PRE-DENTAL (3 or 4 years)

Courses:

Biological Science (BSC) 120 and 121
Chemistry (CHM) 211, 212, 217, 218 and 355, 356 and 361
Economics (ECN) 250, 253
English (ENG) 101 and 102
Mathematics (MTH) 130 or 127 and 122 or 229
Physics (PHY) 201, 202, 203, 204

Exams:

DAT Spring of sophomore year for 3-year students or during junior year for 4-year students

Other Courses:

Follow catalog for degree requirements B.S. or B.A.

Recommended Electives:

ART 101 or EG (General Engineering) 101; BSC 300,301, 310,322,324; CHM 307, 345, 362, 365,366; CL 200; MTH 230, 231; PHY 350, 450; PSY 311, 408, 440

PRE-MEDICINE (3 or 4 years)

Courses:

Biological Science (BSC) 120 and 121

Chemistry (CHM) 211, 212, and 217, 218 and 355, 356 and 361

English (ENG) 101 and 102

Mathematics (MTH) 130 and 122 or 229

Physics (PHY) 201, 202, 203, 204

Exams:

MCAT, generally during the junior year. However, in some cases the student, after counseling with his/her advisor, may choose to take the MCAT during the spring semester of the sophomore year.

Other Courses:

Follow catalog for degree requirements B.S. or A.B.

Recommended Electives:

BSC 300,301,302,310,322,324; CHM 307,345,362,365,366; MTH 230,231;

PHY 350, 430, 440, 450; PSY 408, 440



W. Page Pitt School of Journalism and Mass Communications

Dr. Harold T. Shaver, Dean (mcmullee@marshall.edu)
<http://www.marshall.edu/sojmc/>

Professors

Arnold, Shaver, Turner

Associate Professors

Bailey, Dooley, Dennison, Jensen, Johnson, Scheiner, Spears

Assistant Professors

Bobbitt, Lebec, McClure

MISSION OF THE SCHOOL

The W. Page Pitt School of Journalism and Mass Communications' programs and curriculum are based in the conviction that future journalists and mass communicators are best prepared for life and for their careers when they are broadly educated in the liberal arts. The importance of preparing them for the demands of the workplace is recognized as well.

Knowledge and skills essential to success in journalism and mass communications are emphasized, with the aim of preparing students for full participation, including leadership, in their professions. In addition, the school's program seeks to promote knowledge and awareness about mass communications among students who do not intend to pursue careers in one of the mass communications fields.

Students in journalism and mass communications sequences will learn (1) how to gather, write, edit, package, and present information and entertainment in a multimedia context; (2) how the field of mass communications changes and evolves and how to adapt accordingly; (3) how to make responsible and effective decisions; and (4) the roles, effects, and impacts of mass communications in society.

The school offers a Bachelor of Arts degree in five sequences: advertising, broadcast journalism, print journalism, public relations, and radio-television. Professionally oriented courses and laboratory experiences are combined with extensive liberal arts preparation to provide students with the background necessary for employment in mass communications. The program is accredited by the Association for Education in Journalism and Mass Communications.

A journalism education major, offered through the College of Education and Human Services, prepares students for a two-fold career. Graduates qualify for certification to

teach grades 9-12 and are prepared for employment in the news-editorial departments of newspapers.

ACADEMIC POLICIES

Of the 128 credit hours required for the bachelor's degree, students may take a maximum of 41 in journalism and mass communications courses. Additional credit hours in journalism and mass communications may be elected but cannot be counted toward the 128 required for graduation. Of the remaining 87 hours required for graduation, at least 65 must be in the liberal arts and sciences.

Enrollment

Upon enrollment in the school, students will select a sequence and be assigned an adviser. Students enrolled within ten years prior to their expected graduation will meet the requirements in effect at the time they declared their majors. Students who fail to complete graduate requirements within ten years must meet the requirements of the catalog in effect at the end of that ten-year period.

Change of Major or Sequence

Students who change sequences will continue to operate under the catalog in effect when they became JMC majors. Students transferring from other units of the university must meet the requirements of the catalog in effect at the time of the change in major.

Mandatory Advising

All freshmen and sophomores are required to see their advisers before they register each semester.

Special Requirements

Students must pass the school's language skills test with a score of at least 77 percent or complete JMC 100 with at least a *C* before enrolling in JMC 201, JMC 240 or JMC 221. (JMC 100 does not count toward the 128 credit hours required for graduation.)

Students must have keyboard proficiency for many JMC courses.

A Grade Point Average of 2.25 in journalism and mass communications and overall is required for graduation.

A student who receives a *D* or *F* in a journalism and mass communications course counted toward graduation must repeat it and earn at least a *C* before graduation or before using that course as a prerequisite for another required course.

At least 48 hours of credit toward the B.A. must be in courses numbered 300-499. Courses transferred from two-year or community colleges cannot be used to satisfy this requirement. Courses taken at four-year accredited colleges transfer at the level at which they were taken.

The upper-division writing requirement is met by completing the major writing assignment in JMC 440 with a grade of at least a *C*.

Minors for Journalism and Mass Communications Majors

Journalism and mass communications students are required to complete a 15-hour predetermined minor with at least 12 of the 15 hours at the 200-level or above. (Note: The minor in Integrated Science and Technology is an exception to the 12-hour requirement.) The minor must be declared not later than completion of 58 credit hours. A booklet describing approved minors and a declaration-of-minor form are available in the office of the School of Journalism and Mass Communications.

Minors in Journalism and Mass Communications

A minor in journalism and mass communications will be 12 hours. No more than three hours may be at the 100 level.

Graduation Check

During the semester students are enrolled for their 80th hour, they are required to have a check of their progress toward graduation. The check is to be initiated in the office of the School of Journalism and Mass Communications. Failure to do so will result in a hold on registration that will be removed after the check is completed.

Transfer Students

Due to standards of the school's accrediting body, students transferring into the school are restricted to using 12 hours of transfer credit in journalism and mass communications toward the 128 credit hours required for the B.A. Further, the hours must be at the 100 and 200 levels, with the exception of JMC 330, Fundamentals of Public Relations.

Transfer students, including those transferring from other units at Marshall, must have a 2.0 (C) average and no academic deficiencies in math and English.

Regents B.A. Students

Students in the Regents B.A. program are allowed no more than 12 hours of journalism and mass communications credit through presentation of a portfolio.

Academic Probation and Ineligibility

Students who have a deficit of quality points in their Marshall or overall GPA are classified "on academic probation." Quality point deficits accumulate as a result of excessive grades of *D* or *F*, causing a student's GPA to fall below a 2.0. Students on probation have an *academic hold* placed on their registration status. This means that they cannot use telephone registration and that they must secure approval from the dean before they can register. Usually, students on probation cannot register for more than 13 semester hours. After consulting their academic adviser, they should bring their schedules to the dean for approval. One strategy is to repeat courses taken before the 60th attempted hour in which the student received a *D* or *F*. (See "*D/F* Repeat Rule" elsewhere in this catalog). When a student's quality point deficit is removed, the student is no longer on academic probation.

Student Media and Student Professional Organizations

Two student media are affiliated with the school. The student newspaper, *The Parthenon*, is published Tuesday through Friday during the fall and spring semesters and

weekly during Summer Sessions C and D. The student radio station, WMUL-FM, is on the air 21 hours daily throughout the year.

The school also has chapters of organizations affiliated with national professional groups, including the Advertising Club, the National Association of Black Journalists, the National Broadcasting Society, the Public Relations Student Society of America, and the Society of Professional Journalists.

GENERAL EDUCATION REQUIREMENTS

<i>Requirement</i>	<i>Credit Hours</i>
ENGLISH	6
English 101 and 102 or Honors English 201H must be taken to fulfill the English requirement. Juniors and seniors who have not had ENG 102 must take ENG 302.	
FOREIGN LANGUAGE	12
Successful completion of 12-hour sequence ending with German 204; Greek 302; Latin 204; French 204 or 264R; Spanish 204 or 264R; or Japanese 204. Up to 3 semesters of the requirement may be waived by the Modern Languages Department for language taken in high school.	
COMMUNICATION STUDIES	3
Freshmen or Sophomores should take CMM 103, Juniors and Seniors CMM 305. This requirement may be waived by the Communication Studies Department if high school speech was taken and student passes a proficiency exam administered by the department.	
FINE ARTS	3
Choose one course from: ART 112, MUS 142, THE 112.	
CLASSICS, PHILOSOPHY OR RELIGIOUS STUDIES	3
Any 3 hour course must be taken from among the following: any Classics course except CL 230, 231, 232, or 233; any Philosophy course; or any Religious Studies course except RST 202, 304, 310, 320, 325, 351.	
LITERATURE REQUIREMENT	6
Hours may be taken from any of the following: Classics 230, 231, 232, 233; any English 300 or 400 level course in literature; any Latin 300 or 400 level course; Religious Studies 202, 304, 310, 320, 325, 351; any 300 or 400 level course in French, German, or Spanish literature.	
SOCIAL SCIENCES	15
Courses are to be taken in at least three fields. (Check sequence requirements for specific required social science courses.)	
Economics	
History	
Political Science	
Psychology	
Sociology/Anthropology (except SOC 108)	

(continued)

Geography: Choose from these courses only—GEO 100, 203, 206, 305, 309, 315, 317, 320, 401, 403, 405, 408, 410, 412, 420.

NATURAL SCIENCES 12

Integrated Science—4 hours (prerequisite MTH 121 or above)

Choose 8 additional hours from the following fields:
(Check prerequisites before registering.)

- Biology
- Chemistry
- Physics
- Physical Science
- Geology
- Geography 101

MATHEMATICS 3

MTH 121 or above must be taken to fulfill the
Math requirement.

SEQUENCE REQUIREMENTS

Advertising

Journalism and Mass Communications 101, 102, 221, 241, 245, 382, 383, 385, 402 or 435, 408, 425, 440, and five hours to be selected from any other journalism and mass communications courses at the 300-400 level (total 41 JMC hours). The following non-journalism and mass communications courses also are required: Economics 100 or 200, Psychology 201, History 231, one other U.S. history course, Political Science 307, and Marketing 340.

Broadcast Journalism

Journalism and Mass Communications 101, 102, 231 or 241, 240, 301, 331, 350, 351, 390, 402 or 435, 436, 440, and five hours to be selected from any other journalism courses at the 300-400 level (total 41 JMC hours). The following non-journalism and mass communications courses also are required: Economics 100 or 200, History 230 and 231, Political Science 104 and 202, and one other Political Science course to be selected from 105, 207, 301, 303, 307, 381, or 436.

Print Journalism

Journalism and Mass Communications 101, 102, 201, 241, 301, 302, 360, 402, 414, 304 or 430, 440, two to three hours in 470 or in 490 and 5 to 6 hours to be selected from any other journalism and mass communications courses at the 300-400 level (total 41 JMC hours). The following non-journalism and mass communications courses also are required: Economics 100 or 200, History 230 and 231, Political Science 104 and 202, Criminal Justice 321, and Geography 100 or 317.

Public Relations

Journalism and Mass Communications 101, 102, 201, 241, 301, 302 or 360 or 432, 330, 402 or 435, 437, 438, 439, 440; and five hours to be selected from any other journalism and mass communications courses at the 300-400 level (total 41 JMC hours). The following non-journalism and mass communications courses also are required: Economics 100 or 200, Political Science 307, one other Political Science course, Psychology 201, Psychology/Sociology 302 or Sociology 200 or Anthropology 201; one of the following: Communication Studies 308, 311, 315, 319, 401, 408, 409; Geography 100 or 317; Accounting 410.

Radio-Television

Journalism and Mass Communications 101, 102, 231, 272-3 (1 hr.), 331, 350, 351, 390, 435, 436, 440, 490 or 372-3 (1 hr.), and 6 hours to be selected from any other journalism and mass communications courses at the 300-400 level (total 41 JMC hours). The following non-journalism and mass communications courses also are required: Psychology 201 or Sociology 200 or Anthropology 201; Economics 100 or 200; Geography 100 or 317; Political Science 104 or 105 or 202.



School of Medicine

Established in the mid-1970s, the School of Medicine quickly became a force in improving both health care and educational opportunities for West Virginians. The School's curriculum prepares students for all medical specialties. However, because of the state's continuing shortage of physicians in primary-care specialties (such as general internal medicine and family practice), Marshall particularly emphasizes the special personal and medical skills needed for such fields.

The school is affiliated with Cabell Huntington Hospital, the Veterans Affairs Medical Center, St. Mary's Hospital, and University Physicians and Surgeons, the faculty practice group. Through a network of other agreements, the school also provides health care at sites as varied as Huntington State Hospital and small rural clinics.

The result is a dynamic educational setting which exposes students to the full spectrum of medical care. They work in rural outpatient clinics as well as on busy hospital medical and surgical services. They choose from a variety of primary-care and specialty electives at Marshall, at other medical centers, and in numerous overseas locations.

The School of Medicine is accredited by the Liaison Committee on Medical Education of the American Medical Association and the Association of American Medical Colleges. Information concerning admission may be found in the School of Medicine Bulletin.

The school of Medicine offers the Doctor of Medicine degree, and the Bachelor of Social Work program is also housed in the School of Medicine.

Social Work Department

Jody Gottlieb, Chair (gottlieb@marshall.edu)
<http://www.marshall.edu/hper>

Professors

Berhie, Carter, Gottlieb

Introduction

The B.S.W. degree is a professional degree allowing the student to enter an exciting and growing field. Social workers practice in a variety of settings such as human service agencies, nursing homes, hospitals, schools, group homes, mental health centers, foster care agencies, and probation offices. Social workers work with individuals, families, groups, institutions, and communities and continually work to improve social conditions. The mission of the Marshall University Social Work Program is to prepare students for beginning level of practice as social work generalists with an understanding and appreciation of the population and institutions of Appalachia.

The Social Work Department is administratively housed in the Marshall University School of Medicine.

Requirements

Social Work students complete the general and specific education requirements as listed in the section that follows. Additional requirements for acceptance into the Social Work Program can be obtained by contacting the Social Work office. Electives highly recommended include courses in social work special topics, history, anthropology, sociology, psychology, communications, philosophy, political science, and economics. Students should consult their advisor for recommended electives.

Students should contact the Social Work department faculty for advisement as early as possible.

Accreditation Status

The Social Work Program is accredited at the BSW level by the Council on Social Work Education.

General Requirements

1. Candidates for graduation must have a quality point average of 2.0 or higher on all work attempted at Marshall University, a 2.0 average in prerequisite courses (ENG 101, 102, BSC 105, PSC 202, ECN 250, SOC 200, PSY 201, Math) and the average in Social Work must be 2.5 or higher, and must apply for graduation through the Social Work Department office.
2. Forty-eight hours must be earned in courses numbered 300-499 for all degrees.
3. Candidates for degrees at Marshall University must earn at least 26 hours in the major subject (the B.S.W. degree requires 44 hours of Social Work courses) no more than six of which may be selected from courses in the 100 series. The quality point average in Social Work must be 2.5 or higher.
4. No course in the specific or major requirements for graduation except for practicum courses (SWK 370 and SWK 473) may be taken credit/non credit.
5. Candidates for the B.S.W. degree must satisfactorily complete the university writing requirement consisting of a minimum of one 3-hour writing intensive (WAC) course beyond the ENG 101, 102 requirement. This may be met within existing program requirements.
6. All students must meet the university computer literacy and competency requirement. SWK 340 and 475 meet this requirement for Social Work.
7. All students must meet the university requirement for International Studies which consists of 6 hours of courses which have an "IR" designation.
8. All students must meet the university requirements for multicultural studies which consists of 3 hours of a course designated as "MC". This course is taken within the existing program requirements.
9. All students must meet the university science literacy requirement which consists of 4 hours of integrated science (ISC) coursework and a mathematics course above MTH 120 (excluding MTH 400 and 401). The math requirement must be met before enrolling in ISC course.

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10. During the junior year, and no later than the semester in which they have completed 90 semester hours, students should request an evaluation by the Social Work Department to determine if they are making satisfactory progress towards graduation.
11. All social work majors must have their schedules approved by their faculty advisors before they register for classes.
12. Additional requirements for acceptance into the Social Work Program can be obtained by contacting the Social Work office.

Specific Requirements - B.S.W. Degree

<i>Requirement</i>	<i>Credit Hours</i>
I. English 101 and 102 or 201H	6
II. Foreign Languages	3-9
<p>Successful completion of 9 hour sequence ending with German 203 or 234. Greek 301, Latin 203, Japanese 203, French 263R or 203, Spanish 263R or 203. Three hours or demonstrated proficiency in sign language may be substituted for 3 hours of the foreign language requirement.</p>	
III. Communication Studies	0-3
<p>Communication Studies 103, 104H or 305. Communication Studies 103 is not required for students who have had high school speech and who can pass a proficiency exam administered by the Communication Studies Department. Communication Studies 305 is open to juniors and seniors who have not had Communication Studies 103. (Communication Studies 300, 315, 319, 345, 401, 406, and 408 are recommended options for electives.)</p>	
IV. Literature	6
<p>Courses to be selected from the following:</p> <p style="padding-left: 20px;">Classics 230, 231</p> <p style="padding-left: 20px;">English - any 300 or 400 level course in literature</p> <p style="padding-left: 20px;">French 317, 318, 401, 402, 403, 404</p> <p style="padding-left: 20px;">German 301, 302, 417, 418</p> <p style="padding-left: 20px;">Latin - any 300 or 400 level course</p> <p style="padding-left: 20px;">Religious Studies 202, 304, 310, 320, 325, 351</p> <p style="padding-left: 20px;">Spanish 318, 319, 321, 322, 401, 402, 403, 460</p> <p style="padding-left: 20px;"><i>(Students should pay close attention to pre-requisites for these courses.)</i></p>	
V. Classics, Philosophy, Religious Studies, Fine Arts	3
<p>● One course to be selected from the following:</p> <p style="padding-left: 20px;">Classics - any course except 230, 231</p> <p style="padding-left: 20px;">Philosophy - any course except 304</p> <p style="padding-left: 20px;">Religious Studies - any course except 202, 304, 310, 320, 325, 351</p> <p style="padding-left: 20px;">Fine Arts - ART 112, MUS 142, or THE 112</p>	

(continued)

VI. Social Sciences	
A. Sociology 200	3
B. Psychology 201	3
C. Political Science 202	3
D. Economics 250	3
E. Any other course from Economics, History, Political Science, Psychology, Sociology. (except 108), Anthropology, or Geography 100, 203, 206, 302, 305, 309, 315, 317, 320, 401, 402, 403, 405, 408, 410, 412, or 420.	3

VII. Science and Mathematics	
A. BSC 105	4
B. One other course designated as "ISC"	4
C. A math course above MTH 120. MTH 121 (excluding 400 and 401) will satisfy this requirement. Students with a Math ACT of less than 19 should take MTH 120 or 097 before MTH 121.	3-6

VIII. Social Work	44
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Candidates for the B.S.W. degree are required to satisfactorily complete:
SWK 203, 310, 312, 320, 322, 330, 332, 340, 370, 473 and 475.

Students should pay close attention to prerequisites and co-requisites.
For instance, BSC 105, PSY 201, SOC 200, PSC 202 and ECN 250, MTH 121 or
above (excluding 400 and 401), ENG 101, 102 are prerequisites to all 300 and 400
level required Social Work courses. SWK 310, 320, 330 and 340 are taken as a block
in fall semester, junior year and; 312, 322, 332 and 370 as a block spring semester,
junior year. SWK 473 is taken fall semester, senior year and SWK 475 spring
semester, senior year. SWK 307 is a recommended elective.

SOCIAL WORK

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Foreign Language	3	Foreign Language	3
Communication Studies 103	3	ISC	4
Mathematics 121	3	Sociology 200	3
Biological Science 105	4	Social Work 203	3
	16		16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Literature	3	Literature	3
Psychology 201	3	Social Work 307 (elective)	3
Recommended elective (IR)	3-4	Economics 250	3
Political Science 202	3	Recommended Elective	3
Classics, Philosophy.		Social Science Requirement(IR)	3
Religious Studies, or Fine Arts	3	Recommended Elective	3
	15-16		18

(continued)

Third Year

<i>First Semester</i>	<i>Hrs.</i>
Social Work 310	3
Social Work 320	3
Social Work 330	3-4
Social Work 340	3
Recommended Elective	<u>3</u>
	16

<i>Second Semester</i>	<i>Hrs.</i>
Social Work 312	4
Social Work 322	3
Social Work 332	3
Social Work 370	3
Recommended Elective	<u>3</u>
	16

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>
Social Work 473	12
Recommended elective	<u>3</u>
	15

<i>Second Semester</i>	<i>Hrs.</i>
Social Work 475	3
Recommended elective	<u>9-15</u>
	12-18



Marshall Community and Technical College

Dr. Robert B. Hayes, Acting Provost

Dr. John D. Hough, Dean of Instruction

**Dr. Larry Kyle, Assistant Dean of Continuing Education
and Economic Development**

Linda S. Wilkinson, Assistant Dean

Larry Artrip, Director of Student Services

304/696-3646 (In West Virginia Toll-Free 800-642-3437)

<http://www.marshall.edu/ctc/>

MISSION OF THE COLLEGE

Marshall Community and Technical College is a public, comprehensive community college with open access to learning opportunities for a diverse population as defined by the West Virginia statutes. Dedicated to excellence and accountability, the college provides dynamic programs and services for lifelong learning through career preparation, transfer to baccalaureate programs, continuing education, and student support services. These quality programs facilitate personal and professional development, economic growth, community development, and preparations to meet the evolving technologies in a global environment.

Students are the main priority of Marshall Community and Technical College and the reason for its existence. The college is committed to ensuring excellence in a caring learning environment that welcomes diversity, promotes equality, and empowers the learner in the pursuit and application of knowledge.

Programs

The Marshall Community and Technical College offers twenty-three programs that lead to either a two-year Associate in Applied Science Degree or an Associate of Arts Degree in General Studies. In addition, two certificates of proficiency and five specializations of one year or less are offered. Two plus two degrees with baccalaureate programs also are offered.

**Please also see the Marshall Community and Technical College Catalog.*

SOME COURSES OF INTEREST TO 4-YEAR UNDERGRADUATE STUDENTS:

Courses beginning with the number 0 (zero) are developmental courses and do not count toward graduation.)

For MTC programs and a complete listing of course offerings, please consult the Marshall University Community and Technical College catalog.

- ASC 099 Independent Study Skills. 1-3 hrs. CR/NC.**
Individualized self-paced instruction learning modules in writing, spelling, vocabulary, reading, study skills, math, specialized terminology, and college preparatory tests. Students may register in the Academic Skills Center.
- COM 094 Development Communication. 3 hrs. CR/NC.**
An introductory level grammar review and paragraph writing course. Prepares students for COM 095. Graduation requirement is increased by six hours for students who complete both courses. (PR: ASSET or ACT score)
- COM 095 Developmental Writing. 3 hrs. CR/NC.**
Course combines a review of grammar skills and written essay. Prepares students for COM 111 or ENG 101. Graduation requirement is increased by three hours for students. (PR: ASSET or ACT score or COM 094)
- CT 101 Fundamentals of Computer Technology. 3 hrs.**
An introduction to computers and the fundamentals of operating systems, and general concepts and terminology of computers. Provides hands-on experience with computer applications including word processing, spreadsheets, electronic mail, and the Internet.
- LAS 101 General Law I. 3 hrs.**
Designed to teach the art of legal reasoning and analysis. Appellate court opinions are briefed to discern the legally relevant facts, the legal issues involved, the decision of the court, and the reason for that decision.
- LAS 102 General Law II. 3 hrs.**
Continuation of General Law I, with emphasis on the general practice of law within the state of West Virginia, designed to give a broad overview of the various law specializations. (PR: LAS 101)
- MAT 096 Developmental Mathematics. 4 hrs. CR/NC.**
To help students develop mathematical and elementary algebra skills with labs. Topics include fractions, decimals, percents, real numbers, equations, algebraic expressions, and ratios and proportion. The graduation requirement is increased four hours for students who complete this course. (PR: ASSET or ACT; CR: ASC 099 1 hr.)
- MAT 097 Developmental Algebra. 4 hrs. CR/NC.**
To help students develop algebra skills. Topics include factoring, rational expressions, quadratics, logarithms, graphing, systems of equations/inequalities. Graduation requirement is increased four hours for students upon completion of course. (PR: MAT 096 or ASSET or ACT score; CR: ASC 099 1 hr.)
- MAT 098 Developmental Geometry. 3 hrs. CR/NC.**
Essentially a high school equivalent geometry course for potential bachelor's degree students who do not meet the university's mathematics admissions requirements and for the MCTC students needing additional geometry skills. (PR: high school algebra and ACT score or MAT 097; CR: ASC 099 1 hr.)
- REA 098 Reading Improvement. 3 hrs. CR/NC.**
To help students improve reading proficiency by emphasizing vocabulary development, comprehension improvement, and textbook reading. Group and individualized instruction. Additional laboratory work assigned when indicated as a result of reading evaluation. The graduation requirement is increased three hours for students who complete this course.
- REA 138 Academic Skills Review. 3 hrs. CR/NC.**
Academic preparation to help students improve study methods, textbook reading skills, listening and notetaking procedures, test taking skills, and composition skills through the technique of analytic questioning.
- SCI 090 Developmental Physical Science. 3 hrs. CR/NC.**
A course for potential bachelor's degree students who do not meet science admission requirements. Designed to give students experience and skills in physical science, emphasizing lab experiences. (PR: high school algebra or MAT 097)
- SCI 201 Health Law and the Environment. 3 hrs.**
An issue-driven course where students will investigate health issues along with the law and environmental impact related to these issues, while examining the physics, chemistry, and biology associated with these issues.



The Marshall University Graduate College

In October, 1938, the West Virginia Board of Education authorized Marshall University to conduct graduate instruction leading to the Master of Arts and the Master of Science degrees. Since then, the Graduate College has steadily expanded the scope and depth of its offerings. Post-master's Education Specialist degrees (Ed.S.) are available in adult and technical education, counseling, curriculum and instruction, educational administration, and school psychology. Cooperative programs include an Ed.D. in educational administration with West Virginia University. Marshall also offers the Ph.D. in Biomedical Sciences.

As the variety of these programs would indicate, the Graduate College offers the graduate student an opportunity to acquire research techniques in many fields of knowledge; to participate under the guidance of the graduate faculty in basic research and in the application of the insights gained in such research to the solution of the pressing problems of our times; and to become skilled professionals.

Admission to the Graduate College is based on a baccalaureate degree from a regionally accredited college or university and on the information provided on the Application for Admission form. The applicant must also submit scores from the Graduate Record Examination (GRE), the Miller Analogies Test (MAT), or the Graduate Management Admissions Test (GMAT) as required by the individual program area. Test scores must be sent directly to Graduate Admissions, Marshall University.

On recommendation by the department chair and with the approval of the undergraduate dean and the dean of the Graduate College, Marshall University seniors with superior academic undergraduate records may be permitted to enroll in graduate courses. When combined with the College Level Examination Program (CLEP), in which thirty undergraduate semester credit hours or more can be earned by examination, this provision enables the superior student to earn both a baccalaureate and a master's degree in four years or fewer.

Students who want more information about any of the graduate programs should consult the *Graduate Catalog* or address their inquiries to Graduate Admissions Office, Marshall University, 100 Angus E. Peyton Drive, South Charleston, WV 25303.



Courses of Instruction

Lewis College of Business
College of Education and Human Services
College of Fine Arts
College of Liberal Arts
College of Nursing and Health Professions
College of Science
W. Page Pitt School of Journalism and Mass Communications
School of Medicine

Courses listed in this catalog are subject to change through approved academic channels. New courses and changes in existing coursework are initiated by the particular departments or programs, approved by the appropriate academic dean and/or curriculum committee, by the Faculty Senate, and the president.

Before the beginning of each semester, a "Schedule of Courses" is printed announcing the courses that will be offered by the college and schools. Copies may be obtained in the Registrar's Office and at various sites on campus.

STANDARDIZED COURSE LISTINGS

All departments include among their offerings the following undergraduate course numbers and titles:

- 280-283 Special Topics. 1-4 hrs.
- 297-298 Instructional TV Courses. 1-4 hrs.
- 480-483 Special Topics. 1-4 hrs.
- 485-488 Independent Study. 1-4 hrs.
- 497-498 Instructional TV Courses. 1-4 hrs.

Departments that offer Practica and Internships use the following undergraduate course numbers:

- Practicum. 270-272, 370-372, 470-472.
- Internship. 290, 490.

ABBREVIATIONS

PR	Prerequisite
CR	Corequisite
CR/NC	Credit/Non-Credit grading
Lec-lab.	Lecture and laboratory hours per week (e.g. 2 lec-4 lab.-two hours lecture and four hours laboratory per week).
Rec:	Recommended
I,II,S:	Offered first semester, second semester, summer.

INDEX

ACC Accountancy and Legal Environment	290	JMC Journalism and Mass Communications	342
ANT Anthropology	292	JPN Japanese	339
ART Art	293	LAT Latin	342
ATE Adult Education	291	LE Legal Environment	343
BE Business Education	300	MGT Management	343
BSC Biological Sciences	297	MIS Management Information Systems	345
CD Communication Disorders	305	MKE Marketing Education	347
CHM Chemistry	300	MKT Marketing	346
CI Curriculum and Instruction	312	MS Military Science	349
CJ Criminal Justice	311	MSF Mine Safety	351
CL Classics	303	MTH Mathematics	347
CLS Clinical Laboratory Science	304	MUS Music	351
CMM Communication Studies	306	NUR Nursing	354
COUN Counseling	309	PE Physical Education	359
CSD Computer Sci. & Software Dev.	308	PHL Philosophy	358
CYT Cytotechnology	315	PHY Physics	363
DAN Dance	316	PLS Park Resources and Leisure Services	356
ECN Economics	317	PS Physical Science	365
EDF Educational Foundations	318	PSC Political Science	365
EE Electrical Engineering	319	PSY Psychology	368
EG General Engineering	320	RST Religious Studies	369
EM Engineering Mechanics	319	SED Safety Education	370
ENG English	320	SOC Sociology	373
ES Environmental Science	323	SOS Social Studies	372
FA Fine Arts	327	SPN Spanish	375
FCS Family and Consumer Sciences	324	SWK Social Work	372
FIN Finance	326	THE Theatre	376
FRN French	327	WS Women's Studies	378
GEO Geography	328	YGS Yeager Scholars	378
GER German	331		
GLY Geology	329		
GRK Greek	332		
HE Health Education	332		
HON University Honors	378		
HST History	332		
ISC Integrated Science	336		
ITL Instructional Technology and Library Science	335		

COURSE DESCRIPTIONS

ACCOUNTANCY (ACC)

- 215 **Principles of Accounting. 3 hrs. I, II, S.**
Introduction to principles and procedures of double entry accounting records and reports.
- 216 **Principles of Accounting. 3 hrs. I, II, S.**
Introduction to principles and procedures of double entry accounting records and reports. (PR: ACC 215)
- 280-281 **Special Topics. 1-4; 1-4; hrs.**
- 311 **Intermediate Accounting. 3 hrs. I, II, S.**
Principles and problems of valuation, analysis, and formal presentation of accounting data. (PR: ACC 216)
- 312 **Intermediate Accounting. 3 hrs. I, II, S.**
Principles and problems of valuation, analysis, and formal presentation of accounting data. (PR: ACC 311)
- 313 **Intermediate Accounting. 3 hrs. I, II.**
Principles and problems of valuation, analysis, and formal presentation of accounting data. (PR: ACC 312)
- 318 **Cost Accounting I. 3 hrs. I, II, S.**
A study of fundamental cost accounting concepts and objectives including product cost accumulation, cost-volume-profit analysis, direct costing, budget techniques, standard costing, and differential cost analysis. (PR: ACC 216)
- 348 **Federal Taxation. 3 hrs. I, II, S.**
Problems and procedures of income tax accounting (PR: ACC 216)
- 358 **Managerial Accounting for Health Care Management. 3 hrs. II.**
A study of financial planning and control and discharge of financial management accountabilities in the Health Care Administration sector through problem solving and related functions of Accounting. (PR: ACC 216)
- 360 **Total Quality Concepts for Accountants. 3 hrs.**
A consideration of the accounting principles underlying Total quality. Philosophies, tools and accounting techniques for achieving Total Quality will be covered. (PR: Junior Standing).
- 365 **Concepts for Registration and Auditing of ISO-9000. 3 hrs.** Learn to implement document and audit a quality system for ISO-9000 standards and obtain certification recognized in nearly 90 countries. (PR: ACC 360).
- 410 **Financial Accounting. 3 hrs.** Principles, concepts, and problems underlying the evaluation, recording, analysis and interpretation of accounting data. Required of all M.B.A. candidates who have had little or no undergraduate background in accounting. NOT OPEN TO STUDENTS IN THE LEWIS COLLEGE OF BUSINESS.
- 412 **Governmental Accounting. 3 hrs.**
A study of the use of accounting information in the financial management of governmental and nonprofit entities. (PR: ACC 216)
- 414 **Advanced Accounting Problems. 3 hrs. I, II, S.**
Selected problems in advanced accounting principles and procedures. (PR: ACC 312)
- 415 **Controllership. 3 hrs.**
A comprehensive study of the controller's objectives, responsibilities, functions, organizational roles, etc. (PR: ACC 318)
- 418 **Managerial Accounting. 3 hrs.**
The managerial approach to budgetary control. (PR: ACC 318)
- 429 **Auditing I. 3 hrs. I, II, S.**
A study of the theory and procedures of auditing and the legal and social responsibilities of the auditor. (PR: ACC 312)
- 430 **Auditing Theory and Research. 3 hrs. I, II.**
A critical examination of contemporary professional attestation theory and practice including a comprehensive review of AICPA statements on audit procedures. (PR: ACC 429)
- 441 **Accounting Information Systems. 3 hrs. I, II.**
Introduction to accounting systems. Emphasis on concepts of analysis, design, and implementation of accounting systems with attention on internal and audit trail. (PR: ACC 312 and 318)
- 448 **Federal Income Tax II. 3 hrs.**
Advanced course in taxation with emphasis on corporations, partnerships, estates, trusts, gifts, valuation and liquidity problems, and tax administration and practice. (PR: ACC 348)

- 451 Accounting Theory. 3 hrs. I, II.**
An examination of accounting concepts, standards, rates, conventions, principles and practices with primary emphasis on study of authoritative pronouncements comprising generally accepted accounting principles. Capstone Course (PR: ACC 414)
- 480-482 Special Topics. 1-4; 1-4 hrs.**
Study of an advanced topic not normally covered in other courses. Accounting majors only, with permission of Division.
- 485-486 Independent Study. 1-4; 1-4; hrs.**
(PR: Permission of Division Head)
- 490 Internship. 3-12 hrs. (CR/NC)**
A supervised internship in which the student works for a business firm/agency to gain practical experience in the student's major. The program of work and study will be defined in advance and the student's performance will be evaluated. This course may not be used as an accounting elective. (PR: Permission of Dean)

ADULT EDUCATION (ATE)

- 280-283 Special Topics. 1-4 hrs.**
- 403 Introduction to Adult Learning Theory. 3 hrs. I**
Designed to acquaint the student with the field of adult education and its underpinnings and the various adult learning theories and/or approached.
- 405 Methods of Teaching Marketing Subjects. 3 hrs.**
Unit and lesson planning; cooperative education as a method of instruction, project plan of instruction, classroom management and control, demonstration techniques, evaluation methods, field experience in Marketing Education classroom.
- 410 Developing Selling Curriculum. 3 hrs.**
Conduct library research, review selling content, select content objectives, identify content appropriate for the target group, prepare teaching outlines, and design evaluation instruments. (PR: MKE 301)
- 422 Administration of Cooperative Programs. 3 hrs.**
Administering cooperative education programs, recruiting, and selecting students; selecting training agencies and placing students; conducting public relations activities for the program; and advising the student organization.
- 425 Computer Applications in Business and Marketing Education. 3 hrs.**
Study of computer applications and software for Business and Marketing Education.
- 440 Developing Merchandising/Sales Promotion Curriculum. 3 hrs.**
Conduct library research, review merchandising and sales promotion content, objectives, identify content appropriate for the target group, prepare teaching outlines, and design evaluation instruments. (PR: MKE 301)
- 442 Principles of Prevocational Exploration. 3 hrs.**
Study of the prevocational exploration delivery system and develop instructional units which include goals, objectives, and criteria for evaluation of students.
- 444 Practicum in Prevocational Exploration, I. 3 hrs.**
Participants make revisions to instructional units, organize a Career Exploration Club and recognize apprenticeship opportunities. (PR: ATE 442)
- 446 Practicum in Prevocational Exploration, II. 3 hrs.**
Participants modify the 36-lesson plan project, incorporate additional "hands-on" activities, examine teaching strategies, and design activities for community involvement such as an advisory committee. (PR: ATE 444)
- 450 Adult Instruction: Design and Evaluation. 3 hrs.**
An examination of the design and evaluation processes used in adult learning areas with emphasis on the T&D field as well as the general field.
- 470 Practicum in Adult and Technical Education. 3 hrs.**
Individually designed field experience under supervision of the faculty; such experience related to the student's future professional role. (GRADING: CR/NC)
- 480-483 Special Topics. 1-4 hrs.**
- 485-488 Independent Study. 1-4 hrs.**
Focused study of a topic in adult or technical education selected cooperatively by student and faculty advisor; hours credit to be determined by magnitude of the project.
- 491-494 Workshop. 1-4 hrs.**
A study of practical applications in selected subject areas of Adult/Technical Education (ATE 491, 492; CR/NC GRADING)

ANTHROPOLOGY (ANT)

- 201 **Cultural Anthropology. 3 hrs.**
Introduction to the scientific study of culture with emphasis on the cultures of small-scale societies.
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: ANT 201)
- 297-298 **Instructional Television Course. 1-4 hrs.**
A course based upon an Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the department.
- 304 **Physical Anthropology. 3 hrs.**
Introduction to physical anthropology (PR: ANT 201)
- 322 **Archaeology. 3 hrs.**
Introduction to the methods and theory of archaeology.
- 323 **Archaeological Field Training. 3-6 hrs.**
Supervised instruction in on-site archaeological data collection, survey and excavation techniques.
- 324 **Archaeological Analysis. 3 hrs.**
Supervised instruction in processing and analyzing archaeological materials recovered by fieldwork.
- 333 **Linguistic Anthropology. 3 hrs.**
Introduction to nonclassical linguistics focused on learning ethnographic interviewing techniques.
- 340 **Folklore. 3 hrs.**
Study and analysis of material culture and oral tradition in both literate and non-literate societies.
(PR: ANT 201)
- 343 **Anthropological Research. 3 hrs.**
Introduction to anthropological research methods. (PR: ANT 201)
- 360 **World Prehistory. 3 hrs.**
An introduction to the archaeology of pre-literate cultures, from the emergence of Homo sapiens to the present.
- 370 **Classical Archaeology. 3 hrs.**
Archaeology of ancient Greece and Rome, and their colonies and imperial domains.
- 405 **Applied Anthropology. 3 hrs.**
Principles of applied anthropology in community development. (PR: Six hours of anthropology and sociology or departmental permission)
- 426 **African Cultures. 3 hrs.**
Comparative analysis of the tribal cultures of Africa. (PR: Six hours of anthropology or departmental permission)
- 427 **Ethnic Relations. 3 hrs.**
Analysis of cultural contact situations with emphasis on the role of Western European cultures. (PR: Six hours of anthropology or departmental permission)
- 430 **The American Indian. 3 hrs.**
Comparative analysis of Indian tribal cultures of the Americas. (PR: Six hours of anthropology or departmental permission)
- 437 **World Cultures: An Anthropological View. 3 hrs.**
Anthropological analysis of the major culture areas of the world. (PR: Six hours of anthropology or departmental permission)
- 441 **Oceania. 3 hrs.**
Comparative analysis of the original cultures of the Pacific Island area. (PR: Six hours of anthropology or departmental permission)
- 443 **Anthropological Theory. 3 hrs.**
Introduction to ethnological theory and to the development of grounded theory. (PR: 6 credit hours of anthropology or Departmental permission)
- 451 **Anthropological Analysis. 3 hrs.**
Examination of the analytical procedures utilized in ethnographic and comparative approaches to anthropological data, and an introduction to computer processing of cross-cultural data using the Human Relation Area Files. Capstone course. (PR: ANT 201)
- 453 **Cognitive Anthropology. 3 hrs.**
Analysis of the relations between cultural, social, and personality systems. (PR: Six hours of Anthropology or departmental permission)
- 455 **Appalachian Cultures. 3 hrs.**
Analysis of the cultures of Appalachia. (PR: Six hours of anthropology or departmental permission)
- 461 **Theory and Analysis in Archaeology. 3 hrs.**
An introduction to archaeological theory and its application to the material record of cultures, past and present (PR: 6 credit hours of anthropology or department permission).

- 470 Appalachian Field Experience I. 3 hrs.**
Supervised field work in an Appalachian community studying the social and cultural characteristics of the area. (PR: ANT 455 or equivalent)
- 471 Appalachian Field Experience II. 3 hrs**
Supervised field work in an Appalachian community studying the social and cultural characteristics of the area. (PR: ANT 455 and 470)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Study of topics of interest not covered in regularly scheduled courses. (PR: Senior status and permission)
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
Individual study of topics not offered in regularly scheduled courses. Advance permission required.
- 495H-496H Readings for Honors in Anthropology. 2-4; 2-4 hrs.**
Open only to Anthropology majors of outstanding ability. (See Honors Courses).
- 497-498 Instructional Television Course. 1-4 hrs.**
A course based upon an Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the department.

ART (ART)

- 112 Introduction to Visual Art. 3 hrs. I, II, S.**
Significance of art in everyday living. (For non-art majors)
- 113 Art Education: Methods and Media. 3 hrs. I, II, S.**
Philosophy and methods of art education for the elementary level; includes laboratory experiences. For art education students.
- 200 Co-Curricular Experiences in the Visual Arts. 0 hrs.**
Students attend distinguished lectures, exhibitions, workshops, field trips, and other co-curricular visual arts events as part of their requirements for graduation. (PR: Art major or Art Ed. Major)
- 203 Composition, Color and Design In Drawing and Painting. 3 hrs. I or II.**
Design elements studied as to their use in conveying compositional ideas and practical use of these ideas and elements in original compositions in a variety of traditional media.
- 214 Introduction to Design. 3 hrs. I or II.**
Basic and related problems in design dealing with the plastic elements—line, color, form, space, and texture.
- 215 Three-Dimensional Design. 3 hrs. I or II.**
Design with emphasis on three-dimensional form. (PR: ART 214)
- 217 Drawing. 3 hrs. I or II.**
Freehand drawing with emphasis on drawing from nature and the posed model, using a variety of media. (PR: Open to art majors and minors only. Others must have the permission of the Chairman of the Department of Art.)
- 218 Drawing. 3 hrs. I or II.**
- 219 Typography and Computer Skills. 3 hrs. I or II.**
This course surveys the origins and use of letterforms, calligraphy, typographic principles, basic computer skills for artists, and layout skills emphasizing conceptual design. (PR: ART 214)
- 255 Beginning Painting I. 3 hrs. I or II.**
Basic techniques using color creatively based on an understanding of visual structural elements; various media including water, acrylic and oil based paints. (PR: 203)
- 256 Beginning Painting II. 3 hrs. I or II.**
Continuing development of basic techniques using color creatively based on an understanding of visual structural elements; various media including water, acrylic and oil based paints. (PR: ART 255)
- 270-272 Practicum. 3; 3; 3 hrs.**
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
To be used for experimental courses. By permission only.
- 299 Freshman Portfolio Review. 0 hrs.**
Students exhibit work from freshman courses (Art 203, 214, 215, 217 and 218) for review by Art faculty. Review date announced at beginning of semester (see departmental requirements. PR: Art 203, 214, 217).
- 301 Printmaking Processes. 3 hrs.**
Experiments in the media of intaglio, lithography, serigraphy, relief collagraphs and new techniques in printmaking. (PR: 217)
- 302 Relief Printmaking. 3 hrs. I or II or S.**
Traditional and experimental approaches to relief printmaking, including woodcut, linocut, wood engraving, relief etching, Japanese techniques, monoprints, and other press and handprinting relief processes. (PR: 301)

- 305 **Ceramics. 3 hrs. I or II, S.**
Search for form and personal expression through clay. Emphasis on handbuilding techniques, decorative processes and glaze application.
- 306 **Design in Metal. 3 hrs. I or II or S.**
Advanced design in metal. Emphasis on copper, silver, pewter, brass. Problems involve soldering, enameling, and shaping metal by hand.
- 307 **Sculpture. 3 hrs. I or II or S.**
Emphasis on modeling in clay and exploring the potential of plaster, wood and other materials relevant to the area of sculpture. (PR: ART 215)
- 308 **Weaving. 3 hrs. I, II, S.**
The student will demonstrate the ability to carry through the entire process for planning, through warping, threading, and weaving. Each will create unique art works while developing traditional technical skills.
- 309 **Advanced Sculpture. 3 hrs. I or II.**
Sculptural exploration will be extended toward openness, transparency and interpenetration of forms. Emphasis will be on the fashioning and joining of contemporary materials (alloys, plastics, etc.) through the mastery of industrial techniques. (PR: ART 307)
- 312 **Graphic Design: Studio Skills. 3 hrs. I or II.**
Practical studio skills: specifying type, photographic and airbrush techniques and preparation of mechanicals. Also, designer's relationship to agencies, clients, printers, and other professionals. (PR: 219)
- 314 **Graphic Design I. 3 hrs. I or II.**
Sign combinations and visual structure, in relation to meaning of visual messages. Assignments include posters, advertising, information design, and corporate identity. Introduction to materials and procedures in the design process. (PR: For art majors -Sophomore standing, ART 214 and 312. For JMC majors - JMC 241, MKT 341)
- 315 **Photography. 3 hrs. I, II or S.**
Introduction to techniques and aesthetics of photography as a fine art.
- 316 **Graphic Design II. 3 hrs. I or II.**
Applies the use of type and images to design for advertising, editorial, or instructional purposes. Involvement with extended design and layout problems. (PR: ART 219, 314)
- 317 **Illustration. 3 hrs. I or II.**
Conceptual and technical development of illustrations for editorial and advertising purposes. (PR: ART 218, 256)
- 320 **Silk Screen Printmaking. 3 hrs. I or II or S.**
Experience with screen-printing stencil processes. The advanced student may also explore photographic stencil-making and printing and a variety of surfaces. (PR: 301 or permission of chair)
- 322 **Collagraphs. 3 hrs. I or II or S.**
Printmaking using the collagraph plate or matrix, an additive method that employs both intaglio and relief techniques. (PR: 301 or permission of chair)
- 323 **35mm Slide Photography. 3 hrs. I or II or S.**
Photographic composition, color, and creative pictorial vision along with camera controls are explored through making 35mm slides. (PR: ART 315 or JMC 360 or 230)
- 324 **Advanced Black and White Photography. 3 hrs. I or II or S.**
Further exploration of aesthetics and techniques of black and white photography including the Zone System, with emphasis on personal vision, technical mastery and historical perspective. (PR: ART 315 or Permission of Instructor)
- 325 **Color Photography. 3 hrs. I or II or S.**
Color imaging explored through the medium of the color print. (PR: ART 323 and 324)
- 331 **Cast Metal Sculpture. 3 hrs. I or II.**
Several major art casting procedures will be studied and employed in the production of original sculptures. Emphasis will be placed on the lost wax process using ceramic shell molds. (PR: ART 215, 307)
- 332 **Carved Sculpture. 3 hrs. I or II.**
Emphasis will be on the tools, materials and processes of subtractive sculpture. Both traditional and modern techniques will be explored in carving from a variety of woods, stones and other materials. (PR: ART 215, 307)
- 333 **Welded Sculpture. 3 hrs. I or II.**
A variety of techniques including oxygen/acetylene, arc and TIG welding will be studied and practiced in the process of direct metal sculpting. (PR: ART 215, 307)
- 335 **Art Education: 2D-3D Media & Methods. 3 hrs.**
Philosophy, media, and methods for teaching art (emphasis for elementary level); includes laboratory experience.

- 340 Art Education: Crafts. 3 hrs. I, II or S.**
Philosophy and methods of art education supplemented by laboratory experiences featuring crafts for students in early childhood and elementary education. 1 lec-3 lab. (PR: ART 113)
- 342 Technologies for Art Education Majors. 3 hrs. I or II or S.**
This course will give art education majors an introduction and experience in graphic design skills, computers and photography. Not applicable to the BFA degree. (PR: ART 214)
- 343 Introduction to the Potter's Wheel. 3 hrs. I or II.**
Basic throwing skills, surface enrichment and glaze application emphasized. Design analysis and production of functional form stressed. (PR: ART 305)
- 344 Primitive Ceramic Techniques. 3 hrs. I or II.**
The study of local clay preparation and primitive firing and decorating techniques. (PR: ART 305)
- 345 Problems in Porcelain. 3 hrs. I or II.**
The formulation and use of porcelain in the production of utilitarian and sculptural form. (PR: ART 305, 343, 344, 446 and 448)
- 350 Watercolor Painting. 3 hrs. I or II or S.**
Watercolor medium in expressing still life, landscape, and the human figure. (PR: ART 203 and 218)
- 351 Advanced Watercolor. 3 hrs. I or II.**
Advanced exploration of watercolor, inks and other fluid media. Emphasis will be on experimental methods and personal originality. (PR: ART 350)
- 355 Painting III. 3 hrs. I or II or S.**
Continued development for the intermediate level painter with emphasis on techniques and form, including varied supports, grounds, mediums such as encaustics, synthetic resins, egg tempera, acrylics and oils. (PR: ART 256)
- 369 Mold Making and Casting. 3 hrs. I or II.**
Advanced processes of piece and flexible mold making will be studied and practiced for the purpose of casting complex forms and limited edition sculpture. (PR: ART 307)
- 370-372 Practicum. 3; 3; 3 hrs.**
- 390 Professional Practice for Visual Artists. 1 hr. I.**
Skills for professional artists. Topics: proper presentation of work, self-promotion, pricing, grants, museum and gallery practices, and legal concerns related to fine and commercial art. Required for Art BFA majors. (PR: Junior standing or permission of Chairman)
- 401-402 History of Art. 3; 3 hrs. I, II.**
A survey of the development of architecture, sculpture, painting, and the minor arts to ca. 1400 A.D. to the present. (PR: ART 401 -ART 112 or FA. 101 or permission of department. PR: ART 402 - ART 401 or permission of department)
- 404 Iconography of Mary. 3 hrs. I or II or S.**
Traces the sources and evolution of Catholic doctrine and images of the Virgin Mary.
- 405 Art in America. 3 hrs. I or II or S.**
A survey of the development of architecture, painting, and sculpture from colonial times to the present. (PR: ART 112 or FA 101 or permission)
- 406 Figure Drawing. 3 hrs. I or II or S.**
Practice in drawing from the posed human figure. (PR: ART 217 and 218)
- 407 Tribal Art. 3 hrs. I or II or S.**
An introduction to the unique arts of so-called pre-civilized peoples with a twofold emphasis: First, the European prehistoric; second, the non-European primitive. (PR: ART 112 or FA 101 or permission of department)
- 408 Art of the Ancient World. 3 hrs. I or II or S.**
History of the visual arts and architecture in ancient Mesopotamia, Egypt, Greece and Rome.
- 409 19th Century Art. 3 hrs. I or II or S.**
A survey of the development of architecture, painting, and sculpture in the Western World during the last century. (PR: ART 402 or permission of department)
- 412 20th Century Art to World War II. 3 hrs. I or II or S.**
A survey of the development of architecture, painting and sculpture in the Western World from 1900 to World War II. (PR: ART 402 or permission of department)
- 413 20th Century Art After World War II. 3 hrs. I or II or S.**
A survey of the development of architecture, painting and sculpture in the Western World from World War II to the present. (PR: ART 402 or permission of department)
- 414 The Art of the Renaissance in Italy and Northern Europe. 3 hrs., I, II, or S.**
The course discusses the art of the Renaissance in Italy and Northern Europe within the context of social, political, theological and philosophical developments. (PR: ART 402 or permission of department)

- 417 **Figure Sculpture. 3 hrs. I or II.**
Interpretive sculpture based on the gesture and structure of the human figure. A variety of stylistic persuasions and media will be explored according to individual interests. (PR: ART 307)
- 418 **Advanced Drawing. 3 hrs. I or II.**
Drawing problems designed and executed by the individual student, in a variety of media, to develop unique imagery and increased technical skill. (PR: ART 218)
- 419 **Spinning, Dyeing and Tapestry. 3 hrs. I or II or S.** Basic procedures in hand spinning, dyeing and tapestry weaving. (PR: ART 308)
- 420 **Woven Textile Design. 3 hrs. I or II.**
Woven textile design for possible commercial production, emphasizing creation of numerous fabric samples and limited amounts of yardage. (PR: ART 308)
- 421 **Functional Weaving Design. 3 hrs. I or II.**
Production of finished woven domestic items and apparel which have immediate function. Involves the study of historical models of woven goods and their possible contemporary use. (PR: ART 308)
- 422 **Textiles Fiber Art. 3 hrs. I or II.**
Fibers as a medium for self expression and the exploration of structure, space, color and form for meaning. (PR: ART 308)
- 423 **Studio Photography. 3 hrs.**
Advanced course for students who have completely mastered the basics of photography. Covers basic studio setup, creative use of the studio situation in portraits, still life and photo illustration. (PR: ART 323 and 324)
- 426 **Advanced Problems in Photography. 3 hrs.**
Directed study in which student pursues creative work in a direction consistent with current activities in the field of photography. Emphasis on creative development. (PR: ART 323 and 324; ART 325 or permission)
- 427 **Photographic Portfolio/Exhibit. 3 hrs.**
Continued development of creative work with emphasis on preparation of portfolio and exhibition. (PR: ART 426)
- 440 **Advanced Graphic Design. 3 hrs.**
Directed study in which student may select subject from any area of commercial design with the goal of developing specific area of expertise. Emphasis on original design and research. (PR: ART 316)
- 441 **Advanced Problems in Illustration. 3 hrs. I or II.**
Continued development of illustration with emphasis on personal style. (PR: ART 317)
- 442 **Monumental Sculpture. 3 hrs. I or II.**
Emphasis will be on the planning and production of fountains, architectural reliefs and other large environmental sculptures. (PR: ART 215, 307)
- 443 **Mixed Media and Assemblage Sculpture. 3 hrs. I or II.**
Combinations of found, fabricated and mixed materials will be assembled into original sculpture compositions. (PR: ART 215, 307)
- 444 **Papermaking/Bookbinding. 3 hrs. I or II, S.** The preparation and processing of fibers for papermaking including experiences in sheet forming, casting, laminating; also, traditional and experimental bookbinding methods as well as producing creative art forms.
- 445 **Graphic Design for Corporate Identity. 3 hrs. I or II.**
Application of graphic design, including typography, photography and illustrations in developing and implementing identity systems. (PR: ART 316)
- 446 **Intermediate Potter's Wheel. 3 hrs.**
Continuation of Art 343. The student will master basic wheel and decorative processes developing a personal style in their work. (PR: ART 343)
- 447 **Combined Ceramic Processes. 3 hrs. I or II.**
Exploration of a variety of ceramic building and firing processes such as hand building, wheel and slip casting. (PR: ART 305, 343)
- 448 **Ceramic Materials and Processes. 3 hrs. I or II.**
Practical and empirical investigation of ceramic materials, techniques and approaches to their use in clay and glazes. (PR: ART 305)
- 449 **Ceramic Sculpture. 3 hrs. I or II.**
Contemporary ideas and techniques of ceramic fired and unfired sculpture. (PR: ART 305, 344)
- 450 **Two and Three Dimensional Design for Fabrics. 3 hrs. I or II.**
Exploring the potentialities of fabric as an art experience in two and three dimensional art form.
- 451 **Advanced Ceramics. 3 hrs. I or II.**
The advanced student will explore individual problems and interests in clay. (PR: all proceeding ceramic numbers)

- 452 **Three Dimensional Graphic Design. 3 hrs. I or II.**
Graphics for display design and packaging. (PR: ART 215, 316)
- 453 **Electronic Media in the Visual Arts. 3 hrs. I or II.**
Hands-on experience with electronically generated images. Survey of recent developments in imaging technology. Topics may include computer graphics, video, and projected media. (PR: permission of instructor)
- 454 **Designing for Multimedia. 3 hrs. I or II or S.**
Current topics and techniques in multimedia design. Topics include animation, incorporating digital video and sound, interaction design, information design. Web site design and advanced image processing. (PR: ART 316 or permission of instructor. Basic knowledge of current graphics software)
- 455-456 **Painting: Acrylic and Oil. 3; 3 hrs. I or II or S.**
Study and practice of painting in expressing still life, landscape, and the human figure. (PR: ART 256)
- 457 **Figure Painting. 3 hrs.**
Painting the nude model using modern and classical methods. (PR: Permission)
- 458 **Advanced Problems in Painting. 3 hrs. I or II or S.**
Refinement and development of individual concerns with content, form and techniques in painting. (PR: ART 456)
- 460 **Art Education: History and Philosophy of Art Education. 3 hrs. I.**
A survey of the evolution of art education and philosophy, and a study of problems related to art education on the elementary and high school level. (PR: ART 340)
- 463 **Advanced Intaglio Printmaking. 3 hrs. I or II, S.**
Development of individualized form using intaglio techniques and incorporating multiple colors, plates, assemblages, collagraphs, photo-etching, and mixed media. (PR: ART 301)
- 465 **Lithography. 3 hrs. I or II, S.**
Basic techniques of hand lithography, both stone and metal plate. (PR: ART 301)
- 466 **Curriculum Development for Public School Art K-12. 3 hrs.**
(Same as CI 466) Exploring considerations for curriculum development in art education: developing individualized curriculum for specific situations on grade levels K-6 or 7-12.
- 470-473 **Practicum. 3; 3; 3 hrs. I, II, S.**
To be used for learning activities that involve the application of previously learned processes, theories, systems or techniques.
- 475-479 **Advanced Studio Sequence. 3; 3; 3; 3 hrs. I, II, S.**
To be used to complete studio specialization and may be repeated. By permission only.
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs. I, II, S.**
To be used for experimental courses. By permission only.
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs. I, II, S.**
To be reserved for tutorials, directed and independent readings, directed and independent research, problem reports, and other activities designed to fit the needs of individual students within the major.
- 490 **Apprenticeship/Field Training. 1-3 hrs. I, II.**
Student is placed in a supervised work situation offering the opportunity to perform professional design work. At this time a proper portfolio and resume are produced and presented for graduation. (PR: permission of department)
- 492 **Teaching in the Art Opportunity Program. 1 hr. II.**
Approaches to teaching art at the elementary level; practical experience teaching in the Art Opportunity Program. (PR: ART 113)
- 499 **Senior Capstone Project**
Students document and exhibit their production from courses completed during their senior year in their area's of concentration. The exhibition should result from their academic as well as studio study. (PR: ART 390 for B.F.A. students. Not required of Art Education majors)

ART EDUCATION

(Listed under Art)

BIOLOGICAL SCIENCES (BSC)

- 104 **Introduction to Biology. 4 hrs. I, II, S.**
Fundamentals of biology with emphasis on the unity of life, energetics, genetics, evolution, classification of organisms in the kingdoms of life. Intended for non-science majors. 3 lec-2 lab.
- 105 **Introduction to Biology. 4 hrs. I, II, S.**
Biological principles of structure and function in plants and animals (with emphasis on population growth and ecology systems). Intended for non-science majors. 3 lec-2 lab. (PR: BSC 104, non-major)

- 120 **Principles of Biology. 4 hrs. I, II, S.**
Study of basic biological principles common to all organisms through lecture and laboratory activities. Intended for science majors and pre-professional students. 3 lec-2 lab. (PR: at least 21 on Math ACT, or C or better in MTH 121 or higher)
- 121 **Principles of Biology. 4 hrs. I, II, S.**
A continuation of the study of basic biological principles common to all organisms. Intended for science majors and pre-professional students. 3 lec-2 lab. (PR: BSC 120 with grade of C or better)
- 212 **Invertebrate Zoology. 4 hrs. I, II.**
Classification, structure and relationships of the important animal phyla. 2 lec-4 lab. (PR: BSC 121 with grade of C or better)
- 214 **Vertebrate Zoology. 4 hrs. I.**
A survey of the seven living classes of vertebrates emphasizing aspects of ecology, physiology, natural history and taxonomy (PR: BSC 121 with grade of C or better or 12 hrs. college credit, 100 level or above with minimum GPA of 2.3)
- 227 **Human Anatomy. 4 hrs. I, II, S.**
Principles of gross and microscopic anatomy of human body systems and their development. Open to candidates in BSN program. 3 lec.-2 lab.: ACT composite 19 or higher or 12 hrs. college credit, 100 level or above with minimum GPA of 2.3)
- 228 **Human Physiology. 4 hrs. II, S.**
Basic concepts of human physiology, including an introduction to physiological control mechanisms operating at cellular, tissue, organ, and systems levels. Provides the scientific background for understanding pathophysiology. Open to candidates in BSN program. 3 lec.-3 lab. (PR: BSC 227 with grade of C or better)
- 250 **Microbiology and Human Disease. 4 hrs. I, II, S.**
Introduction to microbiology with emphasis on the role of microorganisms in the disease process. (PR: BSC 227 or equivalent with grade of C or better)
- 300 **Histology. 4 hrs. II.**
Principles of microscopy and microscopic study of vertebrate tissues. 2 lec-4 lab. (PR: BSC 120, 121 or equivalent)
- 301 **Vertebrate Embryology. 4 hrs. I.**
Vertebrate development based chiefly on frog, chick and pig embryos. 2 lec-4 lab (PR: BSC 121 with grade of C or better)
- 302 **General Bacteriology. 4 hrs. I, II.**
Basic microbiological techniques, fundamental principles of microbial action, physiological processes, immunology, serology, disease process. 2 lec.-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 303 **Readings in Immunology. 2 hrs. I, II.**
An introduction to the science of immunology based on selected readings in this discipline. Coverage includes humoral and cell mediated immunity, immune tolerance, transplantation, autoimmunity, and immunity and disease. 2 lec-discussion. (PR: BSC 302)
- 304 **Methods in General Bacteriology.**
A laboratory courses emphasizing basic microbiological techniques, including preparation of culture media, gram staining, isolation and identification of bacteria from diverse environments, and evaluation of antiseptics and disinfectants. (PR or CR: BSC 302)
- 310 **Comparative Vertebrate Anatomy. 4 hrs. I, II.**
Structure, function and relationships of systems of selected vertebrates with an emphasis on embryology and evolution. 2 lec.-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 320 **Principles of Ecology. 4 hrs. I, II, S.**
A fundamental approach to the basic principles underlying the interrelationships of organisms with their biotic and abiotic environments. A variety of aquatic and terrestrial ecosystems will be studied in the field and in the laboratory. 3 lec-3 lab. (PR: BSC 121 with grade of C or better); or equivalent)
- 322 **Principles of Cell Biology. 4 hrs. I, II, S.**
A fundamental approach to the principles of cell biology covering the molecular basis of cellular structure and function, and gene regulation. Explores intercellular interactions, molecular interactions with modern cellular and molecular methods. 3 lec-3 lab. (PR: BSC 120 and 121 with grade of C or better, or equivalent. CHM 355 recommended.)
- 324 **Principles of Genetics. 4 hrs. I, II, S.**
The fundamental principles and mechanisms of inheritance. 3 lec-3 lab. (PR: BSC 120 and 121 with grade of C or better, or equivalent. CHM 355 recommended.)
- 401 **Ichthyology. 4 hrs. II.**
Anatomy, physiology, ecology, zoogeography, economic importance and classification of major groups and representative local species of fishes. 2 lec-4 lab and field. (PR: BSC 121 with grade of C or better; BSC 214 or 310)

- 405 Economic Botany. 3 hrs. I, II.**
Plants used by man for food, ornamental purposes, building materials, textiles and other industrial purposes; economic importance of conservation. No laboratory. (PR: BSC 121 with grade of C or better or BSC 105 with grade of B or better)
- 406 Herpetology. 4 hrs. II (Alternate years).**
Taxonomy, morphology, distribution, life history, and ecology of reptiles and amphibians with a special emphasis on representatives native to West Virginia. 2 lec-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 408 Ornithology. 4 hrs. II (Alternate years).**
An introduction to avian biology: identification, distribution, migration, and breeding activities of birds. 2 lec-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 409 Mammalogy. 4 hrs. I (Alternate years).**
A study of the morphology, evolution and classification, ecology, zoogeography, behavior, and economic importance; survey techniques and recognition of native mammals of West Virginia. 3 lec-3 lab, and field. (PR: BSC 121 with grade of C or better plus an additional 8 hrs. BSC)
- 410 Remote Sensing/GIS Applications. 4 hrs. I.**
A study of the physical systems for collecting remotely sensed data. Statistical/spacial analysis and modeling using image processing/geographic information/spatial computer software systems with earth resources applications. (PR: PHY 203, 204; MTH 225 or permission)
- 411 Digital Image Processing/GIS Model. 4 hrs. II.**
A study of image processing/geographic information/spatial analysis systems, concurrent and parallel image process., 3-D modeling scenarios utilizing geophysical data for computer simulation modeling. (PR: BSC/PS 410 or BSC 410 or IST 420 or permission)
- 413 Principles of Organic Evolution. 3 hrs. II.**
Facts and possible mechanisms underlying the unity and diversity of life with emphasis on Neo-Darwinian concepts of the role of species in evolutionary phenomena. (PR: BSC 121 with grade of C or better or equivalent)
- 414 Entomology. 4 hrs. I.**
Anatomy, classification, life histories and economic importance of representative insects. 2 lec-4 lab. (PR: BSC 120-121 or equivalent)
- 415 Morphology of Plants and Fungi. 4 hrs. I, II, S.**
Characteristics of the major plant groups. Discussion of important steps in the development of plants. 2 lec-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 416 Plant Taxonomy. 4 hrs. I, II, S.**
Identification and classification of seed plants and ferns of eastern United States. Readings in history and principles of taxonomy, rules of nomenclature, and related topics. 2 lec-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 418 Mycology 4 hrs. I. (Alternate years)**
Nature, cause, and control of plant disease. 2 lec-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 420 Plant Physiology. 4 hrs. II. (Alternate years)**
Experimental study of plant life processes to include applicable biophysical and biochemical principles, water relations, molecular biology, stress physiology, and growth and development. 3 lec-3 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 421 Phycology. 4 hrs. II. (Alternate years)**
Morphology, taxonomy, and techniques used in the study of freshwater algae with emphasis upon applications of ecological principles to current water quality problems. 2 lec-4 lab. (PR: BSC 121 with grade of C or better or equivalent)
- 422 Animal Physiology. 4 hrs., I.**
Physiological principles operating in the organ systems of vertebrate animals. 3 lec.-3 lab. (PR: BSC 105 with a grade of B or better or 121 with grade of C or better)
- 424 Animal Parasitology. 4 hrs. I, II, or S.**
Morphology, life histories, classification, and host relationships of common parasites. 2 lec-4 lab. (PR: BSC 121 with grade of C or better)
- 426 Medical Entomology. 4 hrs. I, II, or S.**
Role of certain insects and other arthropods in the transmission of disease organisms and methods of control. 2 lec.-4 lab. (PR: BSC 121 with grade of C or better)
- 430 Plant Ecology. 4 hrs. II.**
The study of plants and their interactions with their environment at different levels of ecological organization: individuals, populations, communities, and ecosystems. Emphasis on quantitative analysis of ecological data. (PR: BSC 121 with grade of C or better)

- 431 **Limnology. 4 hrs. I.**
Study of inland waters; ecological factors affecting lake and stream productivity and various aquatic communities. (PR: BSC 121 with grade of C or better; REC: BSC 212)
- 442 **Advanced Microbiology. 4 hrs. I.**
An advanced treatment of microbiology with emphasis on the molecular aspects of anatomy, taxonomy, and physiology of microorganisms. 2 lec.-4 lab. (PR: BSC 302)
- 445 **Microbial Ecology. 3 hrs. II.**
This course introduces students to the vital roles that microbes play in sustaining life on earth. Includes both theoretical and practical concepts ranging from the origin of life to biodegradation. (PR: BSC 121 with grade of C or better or permission)
- 446 **Microbial Ecology Lab. 2 hrs. II**
A laboratory course emphasizing the recovery, cultivation, enumeration, and identification of bacteria from environmental samples. Also introduces students to molecular-based methods for studying microbial community structure and dynamics. (CR: BSC 445/545 or permission)
- 450 **Molecular Biology. 3 hrs. II.**
Advanced principles in molecular function emphasizing current research using recombinant DNA methodology. (PR: BSC 322 or equivalent)
- 452 **Molecular Biology Lab Techniques. 2 hrs. . II.**
Current techniques in molecular biology with focus on recombinant DNA methodology. (PR: BSC 322 or equivalent; REC: BSC 450 or BMS 600, and BSC 324)
- 460 **Conservation of Forests, Soil, and Wildlife. 3 hrs. I.**
Primarily for students in the biological, general and applied sciences. Includes field work, seminars, and demonstrations on phases of conservation of forest, soil, and wildlife. 2 lec.-4 lab. (PR: BSC 105 or 121)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.. CR/NC**
(PR: Permission)
- 491 **Capstone Experience. 2 hrs.**
An independent study involving a research project or internship. Must be approved by Biological Science Faculty. (PR: Junior/Senior Status)

BUSINESS EDUCATION (BE)

- 305 **Office Machines/Quantitative Applications. 3 hrs. I.**
Designed to develop proficiency of business math applications on calculators, and to provide experience with duplicating and machine transcription machines. (PR: OT 113 or equivalent)
- 325 **Communications for Business and Industry. 3 hrs. I, II.**
Emphasis is placed on the composition of effective business correspondence, writing business reports, making oral presentations, and developing proper procedures and skills necessary for conducting meetings. (PR: OT 113 or equivalent)
- 421 **Office Management. 3 hrs. I, II.**
Principles and practices, approached from the viewpoint of the office manager, through oral and written problems.
- 480-483 **Special Topics. 1-4 hrs.**
Study of an advanced topic not normally covered in other courses. Office Administration majors only, with permission of professor.
- 485-488 **Independent Study. 1-4 hrs.**
- 495H-496H **Readings for Honors in Business Education. 2-4; 2-4 hrs.**
Open only to students of outstanding ability. See Honors Courses.

CHEMISTRY (CHM)

(The Department of Chemistry is approved by the Committee on Professional Training of the American Chemical Society.)

- 190H-191H **Honors in Chemistry. 1; 1 hr.**
Independent study programs for outstanding students. (PR: Permission of the department chairman)
- 203 **General Chemistry I. 3 hrs. I, S.**
An introduction to chemical science, its development, basic concepts and interrelationships with other sciences. Intended primarily for non-science majors and B.A. degree candidates. 3 lec.
- 204 **General Chemistry II. 3 hrs. II, S.**
A continuation of Chemistry 203 with emphasis on introductory organic and biochemistry. 3 lec. (PR: CHM 203)

- 211 Principles of Chemistry I. 3 hrs. I, II, S.**
A study of the properties of materials and their interactions with each other. Development of theories and applications of the principles of energetics, dynamics and structure. Intended primarily for science majors and pre-professional students. 3 lec. (CR: CHM 217; PR: MTH ACT of 18 or better or MTH 120 or equivalent)
- 212 Principles of Chemistry II. 3 hrs. I, II, S.**
A continuation of Chemistry 211 with emphasis on the inorganic chemistry of the representative elements and transition metals. 3 lec. (PR: C or better in CHM 211; CR: CHM 218)
- 215 Environmental Chemistry. 2 hrs. I, S.**
A study of experimental problems in the detection and measurement of common chemicals. Emphasis is on problems of air and water pollution, with some attention to problems in consumer chemistry. One of the three courses 215, 217, 218 which may be selected to meet the two-course laboratory requirement for introductory Chemistry. 2 lab-1 lec.
- 217 Principles of Chemistry Laboratory I. 2 hrs.**
A laboratory course that demonstrates the application of concepts introduced in Chemistry 211. (CR or PR: CHM 211).
- 218 Principles of Chemistry Laboratory II. 2 hrs.**
A laboratory course that demonstrates the application of concepts introduced in Chemistry 212. (CR or PR: CHM 212)
- 223 Computer Applications in Chemistry. 2 hrs.**
Introduction to the use of computers in chemistry. Includes the use of computers for chemical calculations and the interfacing of computers to laboratory equipment. 1 lec. 2 lab. (CR or PR: CHM 212)
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.
- 290H-291H Honors in Chemistry I, II. 1; 1 hr.**
Independent study programs for outstanding students. (PR: Permission of the department chairman)
- 305 Chemical Information Retrieval. 1 hr., I.**
A survey course concerning the use of the chemical literature with emphasis on online computer searching. (PR or CR: CHM 365)
- 307 Introductory Physical Chemistry. 4 hrs. II.**
A brief survey of physical chemistry including the topics of thermodynamics, molecular structure, and kinetics. Intended for students needing a broadly based science background. 3 lec., 2 lab. (PR: CHM 212, MTH 131 or 140)
- 327 Introductory Organic Chemistry. 5 hrs. I.**
A short study of organic chemistry with emphasis on structure, nomenclature, and reactivity. Designed for students who do not require the full-year course in organic chemistry. 3 lec., 3 lab. (PR: CHM 212)
- 331-332 Chemistry Seminar. Credit. I, II.**
A graduation requirement for all juniors seeking the B.S. in Chemistry degree. 1 lec.
- 345 Introduction to Analytical Chemistry. 4 hrs. I, S.**
Introduction to the basic principles of Analytical Chemistry including traditional wet methods and contemporary instrumental methods of chemical analysis. (PR: CHM 212 and 218)
- 355 Organic Chemistry I. 3 hrs. I, II, S.**
A systematic study of organic chemistry including modern structural theory, spectroscopy, and stereochemistry; application of these topics to the study of reactions and their mechanisms and applications to synthesis. 3 lec. (PR: C or better in CHM 212)
- 356 Organic Chemistry II. 3 hrs. I, II, S.**
Continuation of Chemistry 355. 3 lec. (PR: C or better in CHM 355)
- 357 Physical Chemistry I. 4 hrs. I**
A systematic study of physical chemistry. 3 lec.-2 lab. (PR: CHM 212, eight hours of Physics, MTH 230)
- 358 Physical Chemistry II. 4 hrs. II.**
A systematic study of physical chemistry. 3 lec.-2 lab. (PR: CHM 357)
- 361 Introductory Organic Chemistry Lab. 3 hrs. I, II, S.**
An introduction to experimental organic chemistry with emphasis on fundamental techniques and their application to the preparation and identification of organic compounds. 6 lab. (PR or CR: CHM 356)
- 362 Intermediate Organic Chemistry Lab. 3 hrs. I.**
Applications of modern experimental methods to the synthesis and analysis of organic compounds with emphasis on instrumental techniques. 6 lab. (PR: CHM 356 and 361; CR or PR: 305)
- 365 Introductory Biochemistry. 3 hrs. II, S.**
A survey course including introduction to basic biochemical concepts, metabolic pathways, and bioenergetics. 3 lec. (PR: CHM 327 or 356)

- 366 Introductory Biochemistry Laboratory. 2 hrs. II.**
Introduction to basic biochemical laboratory techniques including chromatography, electrophoresis, and enzyme kinetics; methods for identification and characterization of biochemical systems. 4 lab. (PR or CR: CHM 365)
- 390H-391H Honors in Chemistry. 1; 1 hr. I, II, S.**
Independent study programs for outstanding students. (PR: Permission of department chairman)
- 401 Research for Undergraduates. 2 hrs. I, II, S.**
(PR: Permission of instructor and department chair; CHM 345 or 358 or 362 depending on area of interest)
- 402 Research for Undergraduates. 4 hrs. I, II, S.**
Both a formal oral and written report of the results of the research must be presented to the faculty of the Department of Chemistry. (PR: CHM 401)
- 410 Advanced Synthesis and Analysis. 4 hrs.**
Advanced problems in synthesis, separation and analysis with emphasis on modern instrumental methods. 1 lec-6 lab. (PR: CHM 361)
- 422 Spectrophotometric Methods of Analysis. 3 hrs.**
Modern theories and methods of spectrophotometric analysis, including atomic absorption, infrared, UV-visible and colorimetric methods. 1 1/2 lec.-3 lab. (PR: CHM 345 and either 307 or 358)
- 423 Environmental Analytical Chemistry. 4 hrs.**
Sampling and modern instrumental analysis of water, air and sediments according to EPA methodology. May be used to fulfill the American Chemical Society Environmental Chemistry certification. (PR: C or better in CHM 345)
- 426 Chromatographic Methods of Analysis. 3 hrs.**
Modern theories and methods of chemical separations with emphasis on gas and liquid chromatography. (PR: CHM 345 and 356 and either 307 or 358) 2 hr. lec., 2 hr. lab.
- 428 Introduction to Forensic Science Methods. 3 hrs.**
Introduction to crime scene investigation, physical evidence collection, serology and DNA technologies (PCR, RFLP). Discussion of statistical analysis of DNA and managing a DNA database, using CODIS as an example. (PR: CHM 365 and either BSC 322 or 324)
- 430 Introduction to Polymer Chemistry. 3 hrs.**
Properties of macromolecules. Methods of preparation and characterization. Industrial applications and processes. 3 lec. (PR: Permission of instructor of CHM 356 and either 307 or 357)
- 431-432 Chemistry Seminar. Credit I, II.**
A graduation requirement for all seniors enrolled in the B.S. in Chemistry program. 1 lec.
- 440 Thermodynamics. 3 hrs.**
An introduction to chemical thermodynamics and statistical mechanics. 3 lec. (PR: CHM 358)
- 442 Quantum Mechanics. 3 hrs.**
An introductory course in quantum mechanics. 3 lec. (PR: MTH 231)
- 448 Advanced Inorganic Chemistry I. 4 hrs.**
Study of physical properties and periodic relationships of inorganic materials. 3 lec.-2 lab. (PR: CHM 356 and either 307 or 357)
- 449 Advanced Inorganic Chemistry II. 3 hrs.**
A detailed consideration of bonding, structure, reaction rates and equilibrium involving inorganic materials. 3 lec. (PR: CHM 448)
- 450 Industrial Chemistry. 3 hrs.**
Modern industrial processes for making chemicals, with emphasis on petrochemicals. An introduction to the engineering, economic, and environmental aspects of these processes. (PR: Permission of instructor of CHM 356 and either 307 or 357)
- 453 Magnetic Resonance in Chemistry. 3 hrs.**
Applications of analysis by magnetic resonance. Emphasis will be placed on proton and heteronuclear magnetic resonance theory and applications. (2 hrs. lec.-2 hrs. lab.) (PR: CHM 356)
- 460 Molecular Spectroscopy. 3 hrs.**
A study of the emission and absorption of radiant energy and its relation to molecular structure. 3 lec. (PR: CHM 358)
- 462 Nuclear Chemistry and Physics. 3 hrs. II.**
An introduction to the phenomena of nuclear physics and chemistry. 3 lec. (PR: MTH 231)
- 463 Nuclear Chemistry and Physics Laboratory. 2 hrs., II, 4 lab.**
(CR: CHM 462)
- 465 Advanced Organic Chemistry I. 3 hrs. I.**
Studies of the dynamics of organic reactions with emphasis on mechanisms and stereochemistry. 3 lec. (PR: CHM C or better in CHM 356)

- 466 **Advanced Organic Chemistry II. 3 hrs. II.**
A continuation of Chemistry 465 with emphasis on synthetic methods. 3 lec. (PR: CHM 465)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 490 **Chemistry Internship. 1-6 hrs. I, II.**
Supervised chemistry laboratory work. Arrangements must be made in advance with Department Chairman. May be an elective in B.S.. Chemistry program but not B.S. in Chemistry program. (PR: 2 from CHM 307, 345, 361. or 356)
- 491 **Capstone Experience. 2-4 hrs. I, II.**
- 495H-496H **Honors in Chemistry. 3-4; 3-4 hrs. I, II, S.**
Open only to chemistry majors of outstanding ability. See Honors Courses

CLASSICS (CL)

General humanities courses, taught in English, open to all students at the academic level listed.

- 200 **Building English Vocabulary Through Latin and Greek. 3 hrs. I, II.**
Study of Latin and Greek word elements to build skill in English vocabulary, both general and technical (or scientific-medical).
- 230 **Ancient Greek and Roman Epic (taught in English). 3 hrs., I or II.**
Introduction to the genre of ancient epic through reading Homer's Iliad and Odyssey and Vergil's Aeneid (or other ancient epics).
- 231 **Women in Greek and Roman Literature (taught in English) 3 hrs. I or II.**
Thematic study of women in ancient Greek and Roman literature, including writers like Sappho as well as women in literary roles in male writers from Homer to Apuleius.
- 232 **Ancient Greek and Roman Drama. 3 hrs. I or II.**
Taught in English, this is an introduction to Greek and Roman dramatic genres of tragedy and comedy using selected plays of Aeschylus, Sophocles, Euripides, Aristophanes, Seneca, Plautus, and Terence.
- 233 **Greek and Roman Historians. 3 hrs. I, or II.**
Taught in English, this is a thematic study of Greek and Roman historiography by topic as much as by historian, including ancient rhetorical sources on the theory of history.
- 250 **Orientation in Humanities. 3 hrs. I, II.**
An interdisciplinary course to introduce students to the elements of a humanistic education. (Same as Philosophy 250 and Religious Studies 250; PR or CR: ENG 101)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Selected topics not covered in regular course offerings. (PR: Permission of department chairman)
- 319 **Classical Mythology. 3 hrs. I, II.**
Study of the development of myth in ancient Greece and Rome: its place in ancient culture and its survival in the modern world.
- 350 **Basic Humanities. 3 hrs. I or II.**
A structured interdisciplinary study offered by the departments of Classical Studies, Philosophy and Religious Studies in the foundations of Western thought; its myth, literature, religion, philosophy, art. (Same as Philosophy 350 and Religious Studies 350)
- 370 **Classical Archaeology. 3 hrs. I or II.**
Archaeology of ancient Greece and Rome, and their colonies and their imperial domains. (Same as Anthropology 370)
- 435 **Greek Civilization. 3 hrs. II.**
Study of ancient Greek culture, emphasizing parallels with present-day issues.
- 436 **Roman Civilization. 3 hrs. II.**
Study of ancient Roman culture, emphasizing parallels with present-day issues.
- 460 **Ancient Goddess Religions. 3 hrs.**
Study of the mythology and cults of the goddesses of Greece, Asia Minor, Crete and Rome, with a view to discovering cultural contexts.
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Topics like "Values in Ancient Greece/Rome" or "The Cult of the Leader in Ancient Greece/Rome" have recently been offered. Consult chairman for current offerings. (PR: Departmental permission)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 495H-496H **Readings for Honors in Classics. 4; 4 hrs. I, II.**
Open only to students of outstanding ability. See Honors Courses.
- 499 **Humanities Seminar. 3 hrs.**
Designed for majors as the culminating interdisciplinary study in the Basic Humanities program. (Same as Philosophy 499 and Religious Studies 499)

CLINICAL LABORATORY SCIENCES (CLS)

(MLT Associate Degree Program and MDT Bachelor's Degree Program)

- 100 Introduction to Health Professions. 1 hr. CR/NC. I.**
Introduction to health sciences careers and professions, emphasizing programs at Marshall University. Features practitioners involved in health care delivery and educational programs.
- 110 Clinical Hematology. 4 hrs. I, II.**
Theory and practice of clinical laboratory tests of red and white blood cells, as well as blood clotting. 3 lec-3 lab. (PR: BSC 227 or equivalent with minimum "C" and minimum 2-0 GPA)
- 200 Clinical Biochemistry. 4 hrs. I.**
Theory and practice of clinical laboratory testing of serum, plasma, urine, body fluids in disease diagnosis. 3 lec-3 lab. (PR: CHM 211, 213, min. 2.0 GPA, with "C" grade in MTH 120, and permission)
- 210 Clinical Immunohematology. 4 hrs. II.**
Theory of immune mechanisms in the body and applications for diagnostic testing and blood transfusion. 3 lec-3 lab. (PR: CLS 110, 200, and permission)
- 220 Clinical Microbiology. 4 hrs. II.**
A study of bacterial, fungal, and helminth related diseases, including diagnostic approach and techniques. 3 lec-3 lab. (PR: CLS 200, permission).
- 255 Clinical Laboratory Problems. 3 hrs. II.**
Case studies of instrumental and diagnostic problems encountered by the laboratory technician. 3 lec. (PR: CLS 110, 200, permission)
- 270 Clinical Practicum, Hematology. 3 hrs. S.**
Total of 4 weeks (160 hours) of hospital-based practice, performance of diagnostic tests of blood cells, urine, coagulation, and clinical microscopy under supervision. One of four courses, CLS 270-273, taken concurrently. (PR: CLS 255, permission)
- 271 Clinical Practicum, Chemistry. 3 hrs. S.**
Total of 4 weeks (160) hours of hospital-based supervised practice performing diagnostic tests on body fluids using chemical methods. One of four courses, CLS 270-273, taken concurrently. (PR: CLS 255, permission)
- 272 Clinical Practicum, Immunohematology. 3 hrs. S.**
Total of 3 weeks (120 hours) of hospital-based supervised practice performing blood typing, antibody screening and identification, and conduct of pre-transfusion tests. One of four courses, CLS 270-273, taken concurrently. (PR: CLS 255, permission)
- 273 Clinical Practicum, Microbiology. 3 hrs. S.**
Total of 4 weeks (160 hours) of hospital-based supervised practice performing isolation, identification, and susceptibility testing of bacteria, fungi, and parasites. One of four courses, CLS 270-273, taken concurrently. (PR: CLS 255, permission)
- 285-288 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs. I, II.**
(PR: Permission)
- 450 Advanced Clinical Hematology/Microbiology. 4 hrs. I.**
Advanced topics in blood cell disorders, transfusion problems, bleeding disorders; advanced diagnostic procedures in bacteriology, parasitology, virology. 3 lec-3 lab. (PR: CLS 210, CLS 220, and permission)
- 460 Clinical Laboratory Management and Supervision. 3 hrs. I.**
Laboratory personnel and resource management, cost control, cost analysis, lab. marketing, accreditation. 3 lec. (PR: MGT 320 and permission)
- 464 Clinical Laboratory Instrumentation and Information Systems. 3 hrs. I.**
Principles of instrumental electronics and data systems; interpretation of instrumental outputs, troubleshooting, computerized statistical methods. 2 lec-2 lab. (PR: PHY 201-204, CLS 200 and permission)
- 466 Diagnostic Physiology. 3 hrs. I.**
Pathologic aspects of laboratory medicine with case studies, diagnostic problem solving, student projects. 3 lec. (PR: CLS 270-273, permission)
- 468 Clinical Laboratory Research. 2 hrs. II.**
Directed independent research in the hospital laboratory setting during 18-week period. Capstone experience. (PR: CLS 450-466, permission; CR: CLS 471, CLS 491)
- 471 Clinical Practicum. 9 hrs. II.**
A minimum of 450 hours of hospital-based experience in 18 weeks emphasizing supervisory decision making. (PR: CLS 450-466, permission; CR: CLS 468, CLS 491)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission)
- 485-488 Independent Study. 1-4 hrs.**
(PR: Permission)

- 491 **Clinical Specialty Workshops. 3 hrs. II.**
Minimum 150 hours experience in advanced specialty test procedures within 18 weeks. (PR: CLS 450-466, permission: CR: CLS 468, 471)

COMMUNICATION DISORDERS (CD)

- 101 **Introduction to Communication Disorders. 3 hrs.**
Introduction to the field of Communication Disorders for majors. Discussion of the various communication disorders, as well as the roles and responsibilities of the speech-language pathologist.
- 241 **Introduction to Communication Science. 3 hrs.**
A survey of the physical and psychophysical bases of communication with discussion of elementary communication models. (PR: CD 101, and permission of instructor)
- 285-288 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of chair)
- 315 **Computer Networking in Communication Disorders. 3 hrs.**
Introduction to adaptive technology for computers to augment communication skills; evaluation of and authoring of software for diagnosis and treatment of communication disorders. Satisfies computer literacy requirements for majors. (PR: Permission of instructor)
- 325 **Language and Speech Development. 3 hrs.**
Theories of language acquisition; sequential patterns in the acquisition of prelinguistic communication, speech and language in relationship to general child development. (PR: CD 101; PR/CR: CD 241 and permission of instructor)
- 418 **Communication Disorders of School Children. 3 hrs.**
A survey of the causes, symptoms, and treatment of communication disorders encountered in the classroom. Not open to CD majors.
- 420 **Voice and Fluency Disorders. 3 hrs.**
Introduction to voice and fluency disorders; etiologies and symptoms; principles of assessment and treatment. (PR: CD 429, 439 and permission of instructor)
- 422 **Articulation and Phonological Disorders. 3 hrs.**
Introduction to disorders of articulation and phonology; etiologies and symptoms; principles of assessment and treatment. (PR: CD 429, 439 and permission of instructor; CR: CD 422L)
- 422L **Field Experience: Speech and Language. 1 hr.**
Experience with preschool age children: planning and implementing speech and language stimulation activities. (PR: CD 429, 439 and permission of instructor; CR: CD 422)
- 424 **Diagnostic Processes with Communication Disorders. 3 hrs.**
Examination of assessment procedures for differential diagnosis of various communication disorders; a study of symptom complexes; interpretation of diagnostic data. (PR: CD 422, 422L, 425, 420, 468, 460, 430 and permission of instructor; CR: CD 424L)
- 424L **Diagnostic Processes Laboratory. 1 hr.**
Observation and practice in evaluating individuals with communication disorders. (PR/CR: CD 426, 422L, 426L and permission of instructor.; CR: CD 424)
- 425 **Developmental Language Disorders. 3 hrs.**
Introduction to theoretical bases of developmental language disorders; etiologies and symptoms; principles of assessment and treatment. (PR: CD 325, 429, 439 and permission of instructor)
- 426 **Therapeutic Procedures I. 3 hrs.**
Examination of therapeutic procedures relative to developmental speech disorders. Capstone experience. (PR: CD 422, 422L, 425, 420, 468, 460, 430 and permission of instructor; CR: CD 426L)
- Observation of individuals with communication disorders and introduction to analysis of the clinical process. (PR: CD 422, 422L, 425, 420, 468, 460, 430 and permission of instructor; CR: CD 426)
- 427 **Therapeutic Procedures II. 3 hrs.**
Examination of therapeutic procedures relative to speech and language disorders. Investigation into the clinician's role in case management as well as behavior management techniques. Capstone experience. (PR: CD 426, 422L, 425 and permission of instructor; CR: CD 427L.)
- 427L **Therapeutic Procedures Laboratory II. 1 hr. CR/NC**
Observation and in-depth analysis of the clinical process. (PR: CD 426), and permission of instructor; CR: CD 427)
- 429 **Anatomy and Physiology of the Speech and Hearing Mechanism. 3 hrs.**
Introduction to the anatomy and physiology of the speech and hearing mechanism and the neurological system. (PR/CR: CD 241, 325 and permission of instructor)

- 430 Acquired Communication Disorders. 3 hrs.**
Introduction to acquired disorders; etiologies and symptoms; principles of assessment and treatment. Emphasis on communication disorders resulting from CVA, traumatic brain injury, the dementias, and other neurological disorders. (PR: CD 429, 439, permission of instructor)
- 439 Phonetics. 3 hrs.**
Introduction to articulatory phonetics; study of the International Phonetic Alphabet and practice in broad transcription of normal and disordered speech; discussion of social dialects. (PR/CR: CD 241, 325 and permission of instructor)
- 460 Basic Audiology. 3 hrs.**
Introduction to hearing disorders; examination of the auditory system, psychophysical processes and preferred practice and procedures for assessment. Includes laboratory. (PR: CD 325, 429, 439, and permission of instructor)
- 463 Aural Rehabilitation. 3 hrs.**
Examination of various intervention strategies appropriate for individuals with hearing impairments; techniques for assessing degree of handicap. (PR: CD 460 and permission of instructor)
- 468 Introduction to Clinical Principles. 3 hrs.**
Examination of the principles and processes of identification, diagnosis and treatment of communication disorders and differences. (PR: CD 325, 429, 439 and permission of instructor)
- 470 Clinical Practicum. 1 hr.**
Supervised clinical practicum in the Marshall University Speech and Hearing Center. (PR: CD 426, 426L and permission of instructor)
- 472 Clinical Practicum with School Children. 6 hrs. CR/NC**
Supervised clinical practice with school-aged children; fulfills student teaching requirements for West Virginia Certification as a Speech Language Pathologist. (PR: CD 426, 468; PR or CR: CD 424 and admission to Teacher Education and permission of instructor)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of chair)
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of chair)
- 495H-496H Readings for Honors in Communication Disorders. 4; 4 hrs.**
Open only to CD majors of outstanding ability. (PR: Permission of chair)

COMMUNICATION STUDIES (CMM)

- 103 Fundamentals of Speech-Communication. 3 hrs.**
A course designed to enhance the development of critical thinking skills and their application to verbal and nonverbal interaction in interpersonal and public communication contexts.
- 104H Honors in Speech Communication. 3 hrs.**
An accelerated course for selected freshmen and sophomores in fundamentals of communication, concepts and skills in verbal/nonverbal communication and listening. Not open to juniors and seniors. (Substitute for CMM 103) (PR: ACT score 26)
- 202 Introduction to Public Speaking. 3 hrs.**
Source credibility, lines of reasoning, psychological appeals, attention factors, methods of topic and audience analysis, style, and the application of this basic theory to the practice of various forms of public address. (PR: CMM 103, 104H, 207, or 305)
- 207 Business and Professional Communication. 3 hrs.**
A study of the communication demands and skills relevant to the student's future role as a business or professional person.
- 213 Fundamentals of Interpersonal Communication. 3 hrs.**
Introduction to principles and practices related to productive interpersonal communication. Emphasizes competence in using verbal and nonverbal message systems to promote effective communication in social and task relationships.
- 239 Development and Appreciation of Film to 1930. 3 hrs.**
The historical development of the motion picture as an art form from its first development to 1930. Analysis of the technical, social, economic and cultural factors which have influenced the medium.
- 240 Voice and Diction. 3 hrs.**
Theory and practice of speech production and improvement. (PR: CMM 103)
- 255 Introduction to Computer-Mediated Communication. 3 hrs.**
Use and implications of telecomputing for messaging, resource finding, and self-directed discovery learning.
- 270-271 Intercollegiate Debate. 1; 1 hr.**
(PR: Permission of instructor)

- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of department chair)
- 297-298 **Instructional Television Course. 1-4 hrs.**
A course based upon Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the department.
- 303 **Introduction to Communication Theory. 3 hrs.**
Analysis of the process of communication and its constituent elements, with emphasis upon traditional and contemporary theories, their validation, and their use as a tool in diagnosis and remediation of communication problems. (PR: CMM 103, 104H, 207, or 213)
- 305 **Principles of Communication. 3 hrs.**
Beginning course, open to juniors and seniors who have not had CMM 103 or 202.
- 307 **Communication in Social Movements. 3 hrs.**
Investigation of the functions, ethics, responsibilities and social impact of oral communication in periods of social unrest. (PR: CMM 103, 104H, 207, or 213)
- 308 **Persuasive Communication. 3 hrs.**
Introduction to the understanding, practice and analysis of persuasion. Behavioral and rhetorical theories of persuasion will be examined and applied to contemporary persuasive communications. (PR: CMM 103, 104H, 207, or 305)
- 310 **Argumentation and Debate. 3 hrs.**
Basic principles of argument; practice in discussion and debate. Recommended but not a prerequisite for intercollegiate debating. (PR: CMM 103, 104H, 207, or 305)
- 311 **Language and Communication. 3 hrs.**
This course explores how language works in human discourse by examining the game of languages: its players, strategies, and hidden rules.
- 315 **Group Communication. 3 hrs.**
Study of group communication processes, including problem solving, systems of group communication analysis and evaluation, in task oriented groups. (PR: CMM 103, 104H, 207, or 305)
- 316 **Legal Communication. 3 hrs.**
The theory and practice of legal communication techniques. The course will examine interviewing skills, negotiation skills, argument preparation skills, presentation skills, and cross examination skills. Recommended for pre-law students. (PR: CMM 103, 104H, 207, or 305)
- 319 **Superior-subordinate Communication. 3 hrs.**
Survey of principles underlying communication between superiors and subordinates in organizations. Emphasis placed upon communication strategies regarding role definition, performance feedback, development and maintenance of relationships, conflict management, leadership, decision making. (PR: CMM 103, 104H, 207, or 305)
- 320 **Oral Interpretation of Literature. 3 hrs.**
The fundamentals of reading, analyzing, and interpreting literature.
- 322 **Intercultural Communication. 3 hrs.**
A study of the barriers to communication across cultures and of strategies for addressing these problems. (PR: CMM 103, 104H, 207, or 305)
- 345 **Listening and Feedback. 3 hrs.**
A study of listening/feedback behavior as an integral part of the communication process, development of listening/feedback skills, and an awareness of barriers to effective listening and feedback. (PR: CMM 103, 104H, 207, or 305)
- 370-371 **Intercollegiate Forensics I; 1 hr.**
Continuation of CMM 270-271. (PR: Permission of instructor)
- 401 **Organizational Communication. 3 hrs.**
Investigation of information flow in organizations with emphasis on identifying communication problems. (PR: CMM 303)
- 402 **Rhetorical Theory. 3 hrs.**
An exploration of theories of rhetoric from the Greek philosophers to the present. This course will examine the strategic use of symbols in persuasive discourse.
- 406 **Interviewing. 3 hrs.**
Skill development in the question-answer-response process as it applies to a variety of interviewing situations.
- 408 **Leadership and Group Communication. 3 hrs.**
A study of the variables affecting, and affected by, communication process in small groups, with particular emphasis upon leadership variables. (PR: CMM 315)
- 409 **Theories of Persuasion and Change. 3 hrs.**
Study of the relationship between persuasion and social change, including theories of attitude and behavioral change and contemporary theories of persuasion.

- 411 **Communication Study and Research. 3 hrs.**
Introduction to the advanced study of theory and research areas with emphasis on communication research methods and reporting. (PR: Senior majors in Communication Studies; CMM 303)
- 413 **Theories of Interpersonal Communication. 3 hrs.**
A survey and analysis of theories related to interpersonal communication in relationships. Emphasis is on the communication processes and contingencies underlying relationship development, maintenance, and disengagement in various interpersonal contexts. (PR: CMM 213)
- 420 **Communication and Conflict. 3 hrs.**
An exploration of the theory, research, and practice of communication in understanding and negotiating interpersonal conflict.
- 441 **Development and Appreciation of Film Since 1930. 3 hrs.**
Study of important directions in modern film, including style, genre, and the relationship to contemporary society. A variety of films will be viewed for analysis.
- 450 **Direction of Speech Activities. 3 hrs.**
Direction of extracurricular speech activities: assemblies, forensic events, etc.
- 456 **Computer-Mediated Communication. 3 hrs.**
This course explores the impact of computer-mediated communication on human organization.
- 474 **Health Communication. 3 hrs.**
Explores communication demands of healthcare and health promotion, examines communication controversies in the modern health care system, and examines communication strategies to resolve health care problems. (PR: Junior status or permission)
- 476 **Communication for Classroom Teachers. 3 hrs.**
Knowledge and utilization of interpersonal communication skills in all teaching-learning environments.
- 478 **Senior Seminar. 3 hrs.**
Capstone experience. The development, organization, revision and presentation of major projects that serve to demonstrate the student's competence in the discipline. (PR: CMM 411)
- 480-483 **Special Topics in Communication Studies. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of department chair)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of department chair)
- 490 **Internship. 1-4 hrs.**
(PR: Permission of department chair)
- 495H-496H **Readings for Honors in Communication Studies. 4; 4 hrs.**
Open only to speech majors of outstanding ability. See Honors Courses. (PR: Permission of department chair)
- 497-498 **Instructional Television Course. 1-4 hrs.**
A course based upon Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the department.

COMPUTER SCIENCE AND SOFTWARE DEVELOPMENT (CSD)

- 101 **Computers and Data Processing. 3 hrs. I, II, S.**
Computer literacy. Introduction to fundamental concepts and skills of computing. Includes terminology, control statements, program execution, disk handling. Hands-on experience in word processing, spread sheets, databases, electronic mail.
- 222 **Computer Organization and Assembly Language Programming. 3 hrs. II.**
Introduction to PC architecture; memory architecture and management. Data representation, I/O devices. Overview of software systems: assembler, linker, debugger. (PR: CSD 212; CR: PHY 213)
- 235 **Introduction to World Wide Web (Web) Computing. 3 hrs.**
Techniques and issues involved with developing documents and programs for use on the Web. Topics include: networking basics, multimedia, hypertext document production, installing, maintaining, and securing a Web server. (PR: CSD 101)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of instructor)
- 313 **Introduction to Systems and Software Engineering. 3 hrs. I.**
The software development and maintenance process, software life cycle, software within a larger system; requirements analysis and specification; system engineering approaches; automated tools; requirements analysis/specification team project. (PR: CSD 240)
- 322 **Computer Architecture. 3 hrs. I.**
Introduction to microprocessor; design alternatives, microprogramming, bus structure, memory organizations, serial and parallel port design, alternative computer architecture. (PR: CSD 222, CSD 240)

- 325 Introduction to Programming Languages. 3 hrs. I.**
Comparative evaluation and use of several languages: syntax and semantics—including specification; compilation and software engineering issues: control, data, module approaches. Imperative and functional languages; concurrency, logic, object-oriented approaches. (PR: CSD 222, CSD 240)
- 333 Software Engineering. 3 hrs. II.**
Review of requirements determination. Functional and object-oriented design; automated tools. Real-time, reliability, software reuse. Implementation, integration, testing, maintenance. Verification and validation, configuration management. Team project, large system. (PR: CSD 313)
- 338 Operating Systems. 3 hrs. II.**
Process management, device and memory management, security, networking, distributed operating systems. Emphasis on the Unix operating system. Experimental projects using the C programming language. (PR: CSD 222, CSD 240)
- 442 Communication Networks and Distributed Systems. 3 hrs. II.**
Network structures, architectures, topology. Layers, protocols, interfaces, local area networks. Coverage of current networks. Distributed processing concepts; architectural trade-offs, distributed databases. Operating system and application software issues. Project participation. (PR: CSD 322)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of Instructor)
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of instructor)
- 495 Senior Team Project Sequence. First Semester. 3 hrs. I.**
With CSD 496, constitutes a yearlong capstone team project, carrying out an entire system and software engineering life cycle for a project of realistic size and complexity. Capstone Experience (PR: CSD 333)
- 496 Senior Team Project Sequence. Second Semester. 3 hrs. II.**
A continuation of the project begun in CSD 495. CSD 495 and CSD 496 should be taken in consecutive semesters of the same academic year. Capstone Experience (PR: CSD 495)

COUNSELING (CR)

- 100 Career Planning for Undecided Students. 1 hr.**
Designed for undecided college students. Helps explore career options and majors. Topics include interest testing, career information, decision-making skills, and job finding strategies. Course does not count toward graduation.
- 260 Peer Counseling. 3 hrs.**
Theory, practice, and intervention of peer helping relationships. Demonstration and practice of basic helper skills for resident advisers. Does not satisfy requirements for core courses nor restrictive electives.
- 261 Introduction to Group Guidance. 3 hrs.**
A Counselor Leadership training course focusing upon a systematic approach to selecting a leadership style. Specific areas include leadership theory, how to conduct groups, delegation, and goal setting. Not for C&R majors.
- 262 Alcohol Counseling by Peers. 1 hr.**
History and practice of alcohol prevention and intervention by peer helpers. Designed to meet the needs of resident advisers. Does not satisfy requirements for core courses nor restricted electives.
- 263 AIDS Awareness. 1 hr.**
Course designed to increase awareness of Human Immunodeficiency Virus and Acquired Immune Deficiency Syndrome, including: the virus, psychosocial aspects, legal and religious issues, prevention, treatment.
- 280-281 Special Topics. 1-4; 1-4 hrs.**
(PR: Permission of department chairman)
- 306 Introduction to Counseling & Rehabilitation. 3 hrs.**
Introduction to the fields of counseling, various mental, physical and social disabilities, careers in Counseling and Rehabilitation, Counseling and Rehabilitation services and orientation processes. (CR: CR 370)
- 320 Community Resources. 3 hrs.**
Study of available resources in the community and their utilization in providing rehabilitation services.
- 370 Introductory Practicum in Counseling. 3 hrs.**
Orientation to helping service agencies and practice in developing interviewing skills under professional supervision. A forty-five hour practical experience involving active contact under supervision with handicapped persons enables students to experientially explore their own abilities, to try the helping role, and to get acquainted with clients and helping agencies. (CR: CR 306)

- 415 **Occupational and Career Development. 3 hrs.**
Study of career choice theory, career change, counseling approaches in career selection and resources to assist in career choice.
- 416 **Job Placement. 3 hrs.**
Study of techniques for diagnostic interviewing, work adjustment, job development, and job placement. The course offers practical and theoretical ways to understand and carry out the placement of handicapped individuals in employment.
- 425 **Counseling Theories and Techniques. 3 hrs.**
Principles and practices of the interviewing relationship in helping service settings. (PR: CR 306, 370, CR: CR 470)
- 430 **Case Development: Process and Management. 3 hrs.** Study of systematic development of casework to include case finding, follow-up provision of services, case recording and time management. (PR: CR 406, 414, 415, 416, 420 or permission of instructor)
- 433 **Research in Counseling and Rehabilitation. 3 hrs.**
A seminar study of the problems in counseling/rehabilitating special disability groups (mentally retarded, mentally ill, alcoholic, public offender, disadvantaged) as well as research into these and other unmet needs in counseling/rehabilitation today. (PR: CR 306, 425 or permission of instructor)
- 435 **Group Process and Analysis. 3 hrs.**
Study and practice of dynamics involved in task and therapeutic groups: a thorough analysis of group process. (PR: Permission of instructor)
- 445 **Manual Communication. 3 hrs.**
Psychological characteristics of hearing impaired and techniques of manual communication.
- 449 **Internship Seminar. 2 hrs. S.**
Group review and synthesis of internship activities, counseling approaches, and special problem areas. The course offers an opportunity to analyze and process the experiential activities of the internships. (PR: CR 306, 320, 370, 406, 425, 430, 433, 435, 440, 446, 448, 470 and permission of instructor, CR: CR 490)
- 454 **Advanced Manual Communication. 3 hrs.**
Advanced course in the grammar, syntax and idioms of American Sign Language and a comprehensive overview of the effect of hearing impairment. Emphasis will be upon communicating in ASL. (PR: CR 445 or 545)
- 455 **Crisis Intervention. 3 hrs.**
This course is directed to anyone who at some time has felt inadequate in responding effectively to people in crisis. Topics will include situational and developmental crises.
- 456 **Death and Dying. 3 hrs.**
Includes three areas of emphasis: To enable the student to come to grips with personal attitudes toward death and dying; to explore attitudes of society toward death; and to develop skills in managing the crisis of death, terminal illness and bereavement.
- 460-463 **Professional Development. 1-4; 1-4; 1-4; 1-4 hrs.**
To meet needs of school, student personnel, mental health, and other workers. Credit may be used for certificate renewal and salary upgrading, but not in degree programs; titles vary. (CR/NC)
- 470 **Advanced Practicum in Counseling. 3 hrs.**
Practical experiences in counseling interviews under professional supervision. (CR: CR 425, 448)
- 473 **Hypnosis: Implications and Applications for Counselors. 3 hrs.**
An introduction to hypnosis and its application in a counseling framework. Emphasis will be upon the Milton H. Erickson model by hypnosis. (PR: CR 425 or 614, or special permission)
- 474 **Multicultural Perspectives in Counseling. 3 hrs.**
Recognize and use appropriate resources for effective counseling of people of different cultural, ethnic, social, class, racial, geographic, or other backgrounds. Learn when counseling is appropriate and in what form.
- 475 **Counseling in Chemical Use and Abuse. 3 hrs.**
Course topics will include historical, medical, psychological, family dynamics of the disease process, and treatment modalities which enhance the likelihood of successful counseling with the dependent person and indirect victims. (PR: Permission of instructor)
- 476 **Counseling With Parents. 3 hrs.**
Consideration of effective parent counseling primarily from an Adlerian point of view. Techniques for counselor intervention via lecture, demonstration and laboratory experiences.
- 477 **Stress Management Counseling. 3 hrs.**
Provides beginning counselors and others with comprehensive information and strategies for successful management of stress and its consequences. Students explore theoretical and practical alternatives in counseling the stressed individual.
- 478 **Counseling with the Elderly. 3 hrs.**
Counseling techniques and theories applied to problems of the elderly.

- 479 Pharmacology in Counseling. 3 hrs.**
Provide basic understanding of the role of therapeutic drugs in the treatment of psychiatric disorders, familiarize with most commonly prescribed drugs, side effects, and adverse reactions in specific mental illnesses. (PR: CR 306, 370)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of department chairman)
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of department chairman)
- 490 Counseling Internship. 10 hrs. S.**
Participation in counseling process with a variety of individuals under supervision of cooperating agencies. (PR: CR 306, 320, 370, 406, 425, 430, 433, 435, 440, 446, 448, 470. Senior standing, majors only and overall 2.0 average and permission of instructor. CR: CR 449)
- 491-494 Counseling Workshop. 1-4; 1-4; 1-4; 1-4 hrs.**
A practical, participatory course designed for advanced students and professionals in the counseling field or related areas.
- 495II-496H Readings for Honors in Counseling. 1-3; 1-3 hrs.**
(PR: Permission of department chairman). See Honors Courses.
- 497 Family Counseling. 3 hrs.**
Introductory course in current theory and practice in family counseling. Theoretical material on communication and structural approaches to family counseling. Reading, lecture and experiential exercises.
- 498 Introduction to Marriage Counseling. 3 hrs.**
Covers the many dimensions marriage counselors deal with, including premarital counseling; the marriage contract (legal and extralegal contracts); marital decision making; divorce counseling; sexual dysfunction; financial counseling; spouse beating; alternatives to marriage; and relationships among the elderly.
- 499 Principles and Practices of Counseling. 3 hrs.**
The objectives, principles, and practices of counseling. (Not open to undergraduate C&R majors)

CRIMINAL JUSTICE (CJ)

- 211 Introduction to Law Enforcement. 3 hrs.**
Basic course dealing with agencies involved in administration of justice; history and organization of local, state, and federal agencies; courts, trial, jails, and prisons; probation and parole.
- 231 Introduction to Corrections. 3 hrs.**
Basic course in the American correctional system; study of the history of corrections, philosophy of punishment and correction, correctional institutions, programs, and services, and contemporary issues and problems.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 301 Advanced Legal Research. 3 hrs.**
Gives the student additional experience in legal research and introduces the skills required in drafting legal documents. Capstone Experience. (PR: LAS 211)
- 311 Police Administration I. 3 hrs.**
First level supervision of employee morale and discipline; selection, training, placement, promotion; techniques of leadership and decision making.
- 312 Criminal Investigation. 3 hrs.**
Investigation methodology, relations of the detective with other police divisions; modus operandi; sources of information; surveillance, interrogation, follow-up procedures. (PR: CJ 211)
- 321 Criminal Justice Administration. 3 hrs.**
A survey course of the criminal justice system, including the structure, functions, and decision processes of those organizations that manage the problem of crime: the police, courts, and corrections; focus on the legal foundations of the processing of offender from arrest to sentencing.
- 322 Criminal Law. 3 hrs.**
History and development of criminal law, elements of a crime, parties to a crime, types of offenses. (PR: CJ 321)
- 323 Criminal Procedure. 3 hrs.**
Admissibility of evidence and confessions, recent civil rights decisions, reconciling individual rights and community interest in law and order. (PR: CJ 321)
- 331 Probation and Parole. 3 hrs.**
Supervision of offenders in the community, including history, philosophy, legal foundations, strategies, professional roles and contemporary models, programs, and services. (PR: CJ 231)
- 402 Seminar in Crime Prevention. 3 hrs.**
Techniques for crime prevention analyzed from two orientations: crime prevention by environmental engineering and crime prevention by behavior modification. (PR: CJ 211)

- 404 **Theoretical Criminology. 3 hrs.**
A critical analysis of the major criminological theories and their empirical foundations. Current theory and research receive greater emphasis than historical development. Capstone Experience
- 410 **Police Administration II. 3 hrs.**
Functions and activities of police agencies. Police department organizations, responsibilities of upper level administrators. Current administrative experimentation on law enforcement agencies.
- 412 **Community Relations. 3 hrs.**
Law enforcement and the community; relation to schools, public education functions of law enforcement personnel; community attitudes. (PR: CJ 211)
- 413 **Business and Industry Security. 3 hrs.**
Selection, training and staffing of a security force; security devices available; techniques of internal security; ground security; security techniques applicable to personnel selection; legal problems. (PR: CJ 211)
- 421 **Corrections and the Law. 3 hrs.**
Review of criminal law principles and theory as related to corrections. (PR: CJ 231)
- 422 **Law of Evidence. 3 hrs.**
Leading rules and principles of exclusion and selection; burden of proof, nature and effect of presumptions; proof of authenticity and contents of writings; examinations, competency and privilege of witnesses. (PR: CJ 321)
- 425 **Juvenile Justice Administration. 3 hrs.**
Study of the historical development, legal foundations, and present institutions, programs, and services in the juvenile justice system. (PR: CJ 321)
- 431 **Criminal Rehabilitation. 3 hrs.**
The historical, legal, and philosophical foundations of criminal rehabilitation; contemporary approaches to intervention, professional roles, and interpersonal skill development. (PR: CJ 231)
- 432 **Correctional Institutions. 3 hrs.**
Analysis of the theory of organizations and administration of correctional institutions; principles of institutional corrections. (PR: CJ 231)
- 433 **Correctional Administration. 3 hrs.**
Objectives of correctional institutions; records; personnel, program development, security; educational programs. (PR: CJ 231)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Specialized courses of contemporary interest. (PR: Consent of the instructor)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
This course permits the student to undertake supervised research (field or library) in any area where there is no appropriate course. (PR: Consent of the instructor)
- 490 **Internship. 1-6 hrs.**
The placement of an individual into a criminal justice agency (police, probation, courts, jails) to observe and participate in its operation. Grading is CR/NC only. (PR: Consent of the instructor)
- 495H-496H **Readings for Honors in Criminal Justice. 2-4; 2-4 hrs.**
Open to criminal justice majors of outstanding ability. Study may deal with any aspect of criminal justice. Wide reading and comprehensive understanding of the subject are required. (PR: Consent of department chairman.) See Honors Courses.

CURRICULUM AND INSTRUCTION (CI)

NOTE: The prerequisites ATED 4, ATED 5, and ATED 6 refer to different levels of Admission to Teacher Education. Contact the Associate Dean of Education and Human Services for additional information.

- 101 **Mathematics Education: Mathematics for Elementary Teachers, I. 3 hrs. I, II, S.**
Study of sets, logic, numeration systems, number systems, and number theory using an inquiry, laboratory oriented approach. (PR: MTH 121 or MTH 123 or MTH 130A, MTH 130E)
- 102 **Introduction to Computers in the Classroom. 1 hr. I, II, S.**
The introduction of selection and evaluation techniques of computer courseware and hardware for classrooms K-12 with consideration for CAI, CMI and specific skills for K-12 students.
- 201 **Mathematics Education: Mathematics for Elementary Teachers, II. 3 hrs. I, II, S.**
Study of elementary mathematics including structure of the real number system, statistics, probability, informal and transformational geometry, and basic algebraic operations with emphasis on problem solving and teacher strategies. (PR: CI 101 and MTH 121)
- 203 **Children's Literature. 3 hrs. I, II, S.**
Types of poetry and prose appropriate for elementary school pupils, with emphasis on methods of presentation. May not be used as elective to meet requirements of English major in College of Liberal Arts.
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**

297-298 Instructional Television Course. 1-4 hrs.

A course based upon an Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the division.

300 Mathematics Education: Teaching Elementary School Mathematics. 3 hrs. I, II, S.

Investigation of techniques and approaches to helping children learn mathematics with special emphasis on the use of manipulative materials in a laboratory setting. (PR: CI 201)

303 Literature for Adolescents. 3 hrs.

A study of the various types of literature appropriate to the needs, concerns, and interests of the adolescent. (PR: ENG 102, six hours of literature)

307 Science Education: Science in the Elementary School. 2 hrs. I, II, S.

Practical application of modern methods and media in helping children learn more about the earth, physical, and biological sciences. (PR: Eight hours of biological or physical science)

310 Special Needs in Early Childhood Education. 3 hrs.

Emphasis will be given to enhancing the success of diverse learners through intervention strategies, family involvement, and interdisciplinary service delivery.

320 Special Education: Survey of Exceptional Children. 3 hrs. I, II.

An introduction to the study of children who deviate from the average in mental, physical, and emotional characteristics, including a study of the characteristics of such children and the adaptation of educational procedures to their abilities and disabilities.

321 Early Childhood Curriculum and Methods. 3 hrs.

Study of factors shaping curriculum and exploration and assessment of appropriate curriculum for young children in transition from pre-operational to concrete operational stages of development. Field experience included. (PR: Admission to Teacher Education)

342 Literature and Language Arts. 3 hrs. I, II, S.

A unified method for developing basic reading-language principles derived from innovative and practical classroom experiences and approaches that include application of latest research relevant to reading-language behavior.

343 Introduction to Teaching Reading: Early Childhood Education and Middle Childhood Education. 3 hrs. I, II.

Presenting modern techniques and practices in the teaching of reading. (CR: CI 446)

345 Critical Reading, Writing, and Thinking. 3 hrs.

This course examines strategies for learning from text, studying different types of textual materials, monitoring learning, and integrating oral and written discourse. (PR: Admission to Teacher Education)

367 Organization for Instruction in Early Childhood Education. 3 hrs. I, II.

An overview of the development of early childhood education, related research, pre-primary program models, elementary school organizational patterns, program planning and techniques of working with parents. (PR: EDF 319 and FCS 303)

370 Social Studies Methods in Elementary Schools. 2 hrs. I, II, S.

An introduction to materials and methods for teaching social studies in elementary schools including goals, processes, strategies and evaluation.

401 Middle Childhood Curriculum. 3 hrs. I, II, S.

Study of methods appropriate for teaching in the middle childhood grades, and production and utilization of materials and resources in these grades. (PR: ATED 4)

403 Methods and Materials of Teaching in the Middle Childhood Grades. 3 hrs. I, II, S.

Study of methods appropriate for teaching in the middle childhood grades, and production and utilization of materials and resources in these grades. Clinical experience included. (PR or CR: ATED 4)

405 Elementary Education: Supervised Student Teaching. 4-12 hrs. I, II.

All-day teaching under supervision in cooperating schools; periodic seminars, conducted by University faculty, accompany student teaching. (PR: ATED 6)

410 Early Childhood Education: Supervised Student Teaching. 4-6 hrs. I, II.

All-day kindergarten teaching under supervision in cooperating schools; periodic seminars, conducted by University faculty, accompany student teaching. (PR: ATED 6)

415 Integrated Methods and Materials: Secondary Education. 3 hrs.

General secondary/middle school course with emphasis on instructional standards and objectives, methods, and materials of the disciplines. A clinical experience provides observation and teaching. (PR: ATED 5)

417 Comprehensive Classroom Discipline Techniques. 3 hrs. I, II, S.

Identification of common classroom discipline problems and techniques for dealing with behavioral incidents in school settings K-12.

- 418 **Classroom Motivation. 1-3 hrs. I, II, S.**
Classroom motivation with an emphasis on theoretical constructs and practical applications for teachers of students from early childhood through adolescence.
- 420 **Special Education: Introduction to the Resource Room. 3 hrs. I, II.**
Examination of procedures needed for implementation of the Resource Room model for mildly handicapped children. The course includes a review of the Mainstreaming movement, interpersonal relations, and skills necessary for maintaining the resource room. (PR or CR: CI 320)
- 421 **Special Education: Children with Exceptionalities. 3 hrs. I, II, S.**
Behavioral characteristics of children with exceptional development, dynamics of family-community interaction, and attitudes towards exceptional conditions. Implications for amelioration and educational planning. (Not for Special Ed majors) (PR: ATED 4)
- 423 **Special Education: Introduction to Learning Disabilities. 3 hrs. I, II.**
An integrated, concise overview of specific learning disabilities; definitions, etiology; observable and identifiable symptoms and implications for amelioration. (PR: CI 320)
- 424 **Special Education: Introduction to Emotional Disturbances. 3 hrs. I, II.**
Characteristics of emotional-social disturbances in children; dysfunction in behavior, academic achievement, and social relationships; etiology and educational implications are presented. (PR: CI 320)
- 426 **Introduction to the Gifted. 3 hrs. I, S.**
An overview of giftedness in children; definitions, etiology, observable characteristics, and implications for educational agencies. (PR: CI 320)
- 427 **Introduction to Autism. 3 hrs.**
This is a lecture-discussion course designed to survey current autism research, definitions, medical issues, differential diagnosis, treatment and educational methods for autistic children, youth, and adults. (PR: Permission of instructor)
- 429 **Introduction to Physically Handicapped. 3 hrs. I, S.**
An introduction to the characteristics and needs of crippled and other health-impaired children. The medical aspects of physically handicapping conditions are considered. (PR: CI 320; CR: Field experience)
- 431 **Education of Physically Handicapped. 3 hrs. II, S.**
Principles and current trends in the teaching of crippled and other health impaired children. Curriculum development for teaching physically handicapped children as well as various methods and materials used in their education. (PR: CI 320 and admission to teacher education.)
- 432 **Curriculum and Methods for the Severely and Multiply Handicapped. 3 hrs. I, S.**
A review of curriculum development and methods used to teach severely and multiply handicapped children. Evaluation techniques and adaptation of materials and equipment are presented. (PR: CI 429 and 433; CR: Field experience)
- 433 **Special Education: Introduction to Mental Retardation. 3 hrs. I, S.**
Acquaints teachers with the characteristics and needs of the mentally retarded child. The status of the mentally retarded in our society and the impact of mental retardation on education. (PR: CI 320; CR: Field experience)
- 434 **Student Teaching: Physically Handicapped. 4-6 hrs. I, II.**
All-day supervised teaching in special classes in cooperating public schools and/or hospital settings; periodic seminars conducted by University faculty accompany student teaching. (PR: CI 320, 429, 431)
- 435 **General Special Education Programming. 3 hrs.**
Address the educational/curricular needs of students with mild learning problems in the categorical areas of mental retardation, behavior disorders, and specific learning disabilities.
- 439 **Assessment in Special Education. 3 hrs.**
Educational assessment and academic diagnostic evaluation for remediation/amelioration. Provides an understanding of teacher assessment and its implication for programming for exceptional children.
- 440 **Special Education: Student Teaching with Mentally Retarded Children. 4-6 hrs. I, II.**
All-day supervised teaching in special classes in cooperating schools; periodic seminars conducted by University faculty accompany student teaching. (PR: ATED 6)
- 442 **Instructional and Classroom Management: Elementary Education.**
This course allows elementary education students to critically examine a variety of classroom management strategies and educational issues that impact instruction. (PR: ATED 4)
- 446 **Reading Education: Individual Assessment and Prescription Language Instruction. 3 hrs. I, II.**
Study of reading-language difficulties, diagnostic devices and techniques, and preventive and prescriptive methods and materials. (CR: CI 343)
- 447 **Integrated Reading, Language Arts, and Social Studies Methods: Elementary Education. 3 hrs.**
General elementary education course with emphasis on instruction standards and objectives, methods, and materials for Reading, Language Arts, and Social Studies. (PR: ATED 5)

- 448 **Integrated Math and Science Methods: Elementary Education. 3 hrs.**
General elementary education course with emphasis on instructional standards and objectives, methods, and materials for math and science.
- 449 **Instructional and Classroom Management: Secondary Education. 3 hrs. I, S.**
Classroom management with emphasis on practical techniques for dealing with management problems in secondary and middle school settings. (PR: ATED 4)
- 450 **Secondary Education: Supervised Student Teaching. 4-12 hrs. I, II.**
All-day teaching under supervision in cooperating schools; periodic seminars conducted by University faculty accompany student teaching. (PR: ATED 6)
- 452 **Middle Childhood Education: Supervised Student Teaching. 4-6 hrs. I, II.**
All-day student teaching in cooperating middle schools; periodic seminars conducted by University faculty accompany student teaching. (PR: ATED 6)
- 453 **Special Education: Curriculum and Methods for the Mentally Retarded. 3 hrs. I, II.**
Principles and current trends in curriculum development are reviewed and evaluated toward the development of specific curriculums for the mentally retarded. Methods and materials are presented in relation to this development. (PR: CI 320)
- 454 **Working with Families of Exceptional Students. 3 hrs.**
Principles and information designed to give the student an understanding of the needs and rights of families of exceptional children and techniques to involve families successfully in their children's education.
- 459 **Multicultural Influences in Education: Techniques and Strategies. 3 hrs. I, S.**
Multicultural education with an emphasis on methods and materials for teaching students from diverse cultural backgrounds.
- 460-464 **Professional Development: 1-3 hrs.**
Courses designed to meet the specific inservice needs of public school personnel. Credit may be used for certificate renewal and salary upgrading but not in degree programs. CR/NC grading.
- 470 **Level II Clinical Experience. (Corequisite with the courses designated; no credit hours)**
A Level II Clinical Experience teaching in a secondary public school. An opportunity to put theory into classroom practice. (PR: ATED 5; CR: CI 415)
- 471 **Level II Clinical Experience. (Corequisite for courses listed, no credit)**
A Level II Clinical Experience teaching in an elementary school. An opportunity to put theory into classroom practice. (PR: ATED 5; CR: CI 447)
- 472 **Level II Clinical Experience.**
A Level II Clinical Experience teaching in an elementary or secondary public school. An opportunity to put theory into classroom practice. For music majors only. (PR: ATED 5; CR: EDF 319)
- 480-483 **Special Topics. 1-4; hrs. I, II, S.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
Permission of chairman. Requires 2.5 GPA, limit of 6 hours to be used in professional education as a specialization.
- 495H-496H **Readings for Honors in Education. 1-3; 1-3 hrs.**
- 497-498 **Instructional Television Course. 1-4 hrs.**
A course based upon an Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the division.

CYTOTECHNOLOGY (CYT)

- (Prerequisite: Admission is subject to approval by the Admissions Committee of the School of Cytotechnology.)
- 438 **Cytological Methodology. 3 hrs. I.**
Routine methods in cytology (specimen processing, staining, record keeping). Special methods (filtration, concentrations). Clinical microscopy (routine and special methods: light, phase, dark field).
- 439 **Elementary Cytology. 3 hrs. I.**
Fundamentals of cell structure, embryology, microbiology, and mycology as related to cytodagnosis; characteristics of benign and malignant cells.
- 440 **Genital Cytology. 6 hrs. I.**
Cytology of the female genital tract in health and disease. The study of cells in normal, benign, and malignant stages of development.
- 441 **Cytology of the Respiratory Tract. 3 hrs. II.**
Cytology of the respiratory epithelium in health and disease. Study of the cell in normal conditions, in benign and malignant pathological conditions.
- 442 **Cytology of the Body Cavities. 3 hrs. II.**
Cytology of the pericardial, pleural, and abdominal cavities. Study of primary and metastatic tumors.

- 443 **Cytology of the Urinary Tract. 3 hrs. II.**
Cell changes resulting from benign diseases and malignant tumors of the breast.
- 444 **Cytology of the Breast. 3 hrs. II.**
Cell changes resulting from benign diseases and malignant tumors of the breast.
- 445 **Cytology of the Gastro-Intestinal Tract. 3 hrs. S.**
Cytology of the alimentary tract in health and disease..
- 446 **Research in Cytotechnology. 1 hr. II.**
Directed independent cytodagnostic research in the hospital setting. Capstone experience.
- 447 **Advanced Methods in Cytology. 4 hrs. S.**
Methods and procedures of tissue culture, chromosome analysis, and microphotography. Study of chromosome anomalies including Turner's, Down's, and Klinefelter's Syndrome. Study of pure mosaic anomalies.

DANCE (DAN)

- 101 **Introduction to Dance. 3 hrs.**
Introduction to dance forms, principles of dance techniques, and role of dance in society.
- 205 **Dance for the Musical Theatre. 3 hrs.**
Introduction to various dance forms and styles necessary for musical theatre. Training in rhythm and coordination with emphasis on elementary techniques and routines.
- 210 **Tap Dance. 2 hrs.**
Technique, styles, and rhythmic structures of tap dance for the theatre. Emphasis on steps, movement, and routines. Course may be repeated for total of four hours credit. 2 lec.-2 lab.
- 230 **Ballet Technique. 2 hrs.**
Classical ballet technique, exercise, routine, and drill for the dancer. Course may be repeated for a total of eight hours credit. 2 lec.-2 lab.
- 270 **Dance Practicum. 1 hr.**
Opportunity to study and perform concert dance. (PR: Permission of instructor; may be repeated for a total of 4 hours credit)
- 280-283 **Special Topics in Dance. 1-4; 1-4; 1-4; 1-4 hrs.**
Program of study not normally covered in other courses. Topics vary from semester to semester. (PR: Permission of department chairman)
- 301 **Dance for Athletes. 3 hrs.**
A course in Ballet and Modern Dance designed specifically for the student-athlete involved in intercollegiate competition.
- 316 **Modern Jazz Dance. 2 hrs.**
Techniques, styles, and rhythmic structures of modern jazz dance. Emphasis on increasing personal expression and dance movement repertoire. Course may be repeated for total of six hours credit. 2 lec.-2 lab.
- 320 **Modern Dance Technique. 2 hrs.**
Principles, movement, and performance techniques in modern dance. Course may be repeated for total of four hours credit. 2 lec.-2 lab

DIETETICS (DTS)

- 320 **Intermediate Nutrition. 3 hrs.**
Scientific principles of human nutrition; food sources of nutrients; planning and evaluating diets for healthy individuals. (PR: FCS 202, 210; CHM 211, 212, 217, 218; BSC 120)
- 403 **Advanced Nutrition. 3 hrs.**
Metabolism of food nutrients as related to nutritional requirements of man. Reports of current research and other topics to add depth and perspective in nutrition. (PR: CHM 365 or concurrent: BSC 228; FCS 210))
- 404 **Diet Therapy. 3 hrs.**
Present day concepts of the relation of nutrition and diet to the prevention and treatment of disease. (PR: FCS 210; CHM 204 or 212; BSC 228; and for Dietetics majors FCS 403; CHM 365)
- 408 **Nutrition in Cardiac Disease. 3 hrs. II.**
Role of nutrition in cardiac rehabilitation. Teaching methods in working with families to improve patient compliance. (PR: FCS 210)
- 409 **Nutrition in the Community. 3 hrs.**
Identification of nutritional needs of a community and of programs that service these needs. Field experiences include surveys, nutrition education, observation and participation in health care delivery. (PR: FCS 210, 306, 404 or concurrent)

- 413 **Experimental Foods. 3 hrs.**
Experimental study of chemical and physical factors affecting food preparation. (PR: FCS 110, 203; CHM 365)
- 469 **Medical Nutrition Therapy I. 3 hrs.**
Principles of medical nutrition therapy in clinical primary care. Utilization of case studies to develop the ability to critically analyze assessment data and determine care plans. (PR: FCS 203, 403; BSC 228; CHM 365; Major Code 4013)
- 470 **Medical Nutrition Therapy II. 3 hrs.**
Introduction to nutritional care delivery in a hospital environment through application of nutrition principles in patient assessment. Interviewing, instruction, and documentation of normal and disease-related cases. (PR: FCS 403, 404; BSC 228; CHM 365; senior standing; permission)

ECONOMICS (ECN)

- 100 **Current Economic Problems and Controversies. 3 hrs.**
Offers a rudimentary conception of economic theory, contemporary issues and problems in economics by approaching from an issue and problem standpoint. (Not open to Business students who have completed Economics 250, 253)
- 150 **The United States in a Global Economy. 3 hrs.**
A study of the importance of trade to economic systems. Examines forces behind the globalization of the world economy and how national economies adjust to these events. (Not open to Business students who have completed ECN 253)
- 200 **Survey of Economics. 3 hrs.**
Major emphasis given to microeconomic topics such as supply and demand, market structure, and international trade. Macroeconomic concepts and aggregate supply-aggregate demand model are examined. (Not open to students in the Lewis College of Business or to students who have completed ECN 250)
- 250 **Principles of Microeconomics. 3 hrs.**
Principles of scarcity, opportunity cost, and supply and demand are developed along with price and wage determination in the marketplace. International trade and policy problems are also examined. (Not open to students who have completed ECN 200)
- 250H **Principles of Microeconomics Honors. 3 hrs.**
An accelerated course for specially selected freshmen and sophomores. Will substitute for ECN 250. (PR: GPA of 3.0)
- 253 **Principles of Macroeconomics. 3 hrs.**
Emphasis on macroeconomic models that explain the behavior of output, employment, and the price level in open and closed economies. Other topics include monetary and fiscal policies and economic growth. (PR: ECN 200 or 250)
- 253H **Principles of Macroeconomics Honors. 3 hrs.**
An accelerated course for specially selected freshmen and sophomores. Will substitute for ECN 253. (Prerequisite ECN 200, or 250 and a GPA of 3.0)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 310 **Money and Banking. 3 hrs. I, II, S.**
Money, credit and credit institutions in the United States; monetary, fiscal, and banking functions of the Federal Reserve System. (PR: ECN 250, ECN 253)
- 326 **Intermediate Macroeconomic Analysis. 3 hrs. I, II.**
National income accounting; macro-economic theories of output determination, employment, inflation, and growth; monetary and fiscal policies. (PR: ECN 250, ECN 253)
- 328 **Intermediate Microeconomic Analysis. 3 hrs.**
Micro-economic theories of the production and pricing of goods and services, payments to the factors of production. ((PR: ECN 250, ECN 253 and MTH 203)
- 332 **American Capitalism. 3 hrs.**
Analysis of American Capitalism in terms of how interacting economic, political and class systems allocate resources and outputs. Includes empirical evaluation of conservative, liberal and radical views. (PR: ECN 200 or 250 and 253)
- 340 **Global Macroeconomic Issues. 3 hrs.**
Current topics in international monetary relations, and how countries use macroeconomic policy to influence their performance in the global economy, and how global events influence country performance. Emphasis upon applications. (PR: ECN 250, ECN 253)
- 342 **Economic Development of the United States. 3 hrs.**
History of the economy; political-economic determinants of growth patterns; the evolution of corporations, unions, and other institutions. (PR: ECN 200 or 250 and 253)

- 405 **Environmental Economics. 3 hrs.**
An application of basic economic theory to a consideration of a wide range of environmental problems including pollution, natural resource exhaustion, population and economic growth. (PR: ECN 200 or 250)
- 408 **Comparative Economic Systems. 3 hrs.**
Marxism, capitalism, communism, fascism and socialism considered as theories, movements and actual political economies. (PR: ECN 200 or 250 and 253)
- 415 **Regional Economics. 3 hrs.**
A study of location theory and regional development within a framework of economic theory. (PR: ECN 200 or 250 and 253)
- 420 **International Economics. 3 hrs.**
Movement of goods and balance of payments among nations; exchange rates; exchange controls and tariffs; problems and policies. (PR: ECN 250, ECN 253)
- 423 **Introduction to Econometrics. 3 hrs.**
Combines economic theory with real data to obtain quantitative results for purposes of explanation and prediction. The development of useful economic models applicable to present day world problems. (PR: ECN 250, ECN 253, MGT 218 and MTH 203)
- 440 **History of Economic Thought. 3 hrs.**
Economic theories and ideas from the earliest economists to those of Marshall and Keynes. (PR: ECN 200 or 250 and 253)
- 450 **Public Finance. 3 hrs.**
Analysis of governmental activities pertaining to raising of revenue and expenditure of monies; analysis of public debt and fiscal programs at all levels of government. (PR: ECN 250, ECN 253)
- 456 **Labor Economics. 3 hrs.**
Theoretical and empirical analysis of labor markets, wage determination, hours of work, unemployment and inflation, unions and collective bargaining and related subjects in their social and legal contexts. (PR: ECN 200 or 250 and 253)
- 460 **Economics of Developing Countries. 3 hrs. II.**
Introduction to developing nations in the world economy. Focus on their economic characteristics, current economic problems, and policy issues. Interactions between the world economy and country performance. (PR: ECN 250, ECN 253)
- 466 **Senior Thesis I: Research Methods and Skills. 2 hrs.**
Focus on relationship between theory, reality and empirical research; development of research skills; written and oral presentation; group work. Development of thesis topic and bibliography. Capstone experience. (PR: Senior standing)
- 467 **Senior Thesis II: Project Work and Writing. 2 hrs.**
Development of thesis topic via presentations, peer criticism, written revisions. Communications skills enhancement via oral presentation practice and guidance. Completion of written thesis. Capstone experience. (PR: ECN 466)
- 475 **Economics of Education. 3 hrs.**
The educational system is analyzed through the use of microeconomics. Economic variables related to student achievement and school performance will be examined. Suggested reforms are reviewed. (PR: ECN 200 or 250)
- 480-483 **Seminar in Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Members of the department may teach, when necessary, any economics subject not listed among the current course offerings.
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
A research project conducted by a qualified student under guidance of a member of the department; involves gathering of data, interpretation, and presentation of findings in a written report.
- 490 **Internship. 3-12 hrs. (CR/NC)**
A supervised internship in which the student works for a business firm/agency to gain practical experience in the student's major. The program of work and study will be defined in advance and the student's performance will be evaluated. (PR: Permission of Dean)
- 495H-496H **Readings for Honors in Economics. 4; 4 hrs. I, II.**
Open only to economics majors of outstanding ability. (See I Honors Courses)

EDUCATIONAL FOUNDATIONS (EDF)

- 218 **Child and Adolescent Development in Schools. 3 hrs.**
A basic course in the study of children's emotional, social, mental, and physical development. Field experience required. (PR: Sophomore standing, CR: 270)

- 270-272 **Level I Clinical Experience. (Corequisite with Educational Foundations 218; no credit hours)**
A public school Clinical Experience in elementary, secondary and middle schools. An opportunity to work with faculty, staff and students in a teaching/learning environment. (CR: EDF 218)
- 280-283 **Special Topics. 1-4 hrs.**
- 319 **Applications of Learning Theory. 3 hrs.**
A study of the psychological principles which are the foundation for learning and teaching. (PR: ATED 4)
- 402 **Psychology of the Middle Childhood Student. 3 hrs.**
Study of developmental principles relating to the physical, cognitive, social and moral development of the middle childhood student (10-14 years old).
- 406 **Foundations of Education. 3 hrs. I, II, S.**
A survey of the historical, philosophical and sociological foundations of American education with emphasis upon current educational problems and issues. (PR: Junior standing)
- 415 **History of Modern Education. 3 hrs.**
Our debt to the ancient Hebrews, Greeks, and Romans. Emphasis also is placed upon the movements since the beginning of the Renaissance. (PR: Junior standing)
- 417 **Statistical Methods. 3 hrs.**
A foundation course in descriptive and inferential statistics as applied in education and the social sciences. (PR: Junior standing)
- 435 **Tests and Measurements. 3 hrs.**
History, philosophy and elementary statistical methods for testing, measuring and evaluating pupil behavior are studied. (PR: Junior standing)
- 475 **Schools in a Diverse Society. 3 hrs.**
Study of social, historical and philosophical foundations of U.S. schooling. Provides a basis for examining and critiquing student teaching experiences. Contributes to capstone experience. (PR: ATED 4)
- 480-483 **Special Topics. 1-4 hrs.**
- 485-488 **Independent Study. 1-4 hrs.**
- 495H-496H **Readings for Honors in Foundations of Education. 1-3; 1-3 hrs.**

ENGINEERING:

ELECTRICAL ENGINEERING (EE)

- 201 **Circuits I. 4 hrs. I.**
Fundamental concepts. Basic circuit laws. Principles of electrical measurements. Introduction to network theory. Computer applications. 3 lec-3 lab. (PR or CR: MTH 231)
- 202 **Circuits II. 4 hrs. II.**
Continuation of Circuits I. Sinusoidal steadystate network theorems. Fourier methods. Laplace transforms. Computer applications. 3 lec-3 lab. (PR: EE 201. PR or CR: MTH 335)
- 204 **Introductory Digital Logic Design. 3 hrs. I.**
Digital Systems, Number Systems; Boolean Switching Algebra; Logic Design; Sequential Networks; Digital Subsystems. (PR: CSD 203 or CSI) 205; CR: MTH 131)

ENGINEERING:

ENGINEERING MECHANICS (EM)

- 213 **Statics. 3 hrs. I.**
Particle and rigid body mechanics for static force systems. Computer applications. 3 lec. (PR: EG 107; PR or CR: MTH 230)
- 214 **Dynamics. 3 hrs. II.**
Laws of motion, work and energy, impulse and momentum, relative motion. Computer applications. 3 lec. (PR: EM 213; PR or CR: MTH 231)
- 215 **Engineering Materials. 3 hrs. I.**
Properties and testing of engineering materials. Computer applications. 2 lec-3 lab. (PR or CR: EM 213)
- 216 **Mechanics of Deformable Bodies. 4 hrs. II.**
Strength of materials, shear and moment diagrams, stresses in shafts, beams and columns; combined stresses, deflections; computer applications. 4 lec. (PR: EM 213; PR or CR: MTH 231)
- 218 **Fluid Mechanics. 4 hrs. II.**
Principles of hydrostatics and hydrodynamics; computer applications. 3 lec-3 lab. (PR or CR: EM 214 and MTH 231)

ENGINEERING:

GENERAL ENGINEERING (EG)

- 101 Engineering Graphics. 3 hrs. I, II.**
Orthographic projection; conventional representations and sections. Introduction to descriptive geometry. Introduction to computer-aided graphics. 2 lec-4 lab.
- 106 Computer Aided Drafting and Design for Engineers and Scientists. 3 hrs. I, II.**
Principles of computer aided drafting and design for engineers and scientists using microcomputers. Use of graphic pads and plotters. 1 lec.-3 lab. (PR: EG 101 or permission of instructor)
- 107 Engineering Computations. 2 hrs. I, II.**
Use of electronic calculators, format for engineering calculations; significant figures and dimensional analysis; graphs; computer applications. 1 lec.-2 lab. (PR or CR: MT11 122 or 131)
- 108 Engineering Design. 2 hrs. II.**
Principles of elementary engineering investigations and design. Computer applications. 2 lec. (PR: EG 107)
- 221 Engineering Economy. 3 hrs. I.**
Economic selection of machines, structures and processes. Computer applications. 3 lec. (PR: EG 107)
- 285-288 Independent Study. 1-4; 1-4; 1-4; 1-4. I, II.**
(PR: Permission of instructor)
- 290 Internship in Engineering. 1-4 hrs.**
Supervised off-campus activities which provide professional experience in different fields of engineering. (PR: Permission)

ENGLISH (ENG)

Advanced placement in English is granted on the basis of the Educational Testing Service (ETS) Advanced Placement Test scores. See section entitled "Advanced Placement" of this catalog for details. Students with enhanced ACT scores of 34 or better should notify the Director of Writing who will then arrange for credit in ENG 101-102 to be assigned to the students' records. Students with enhanced ACT Verbal scores of 18-27 should enroll in ENG 101. Students with ACT Verbal scores of 28-33 should enroll in ENG 201H.

- 101 English Composition I. 3 hrs.**
Introduction to academic writing with emphasis on writing as a multi-stage process, critical thinking, and fundamental research strategies and skills. (PR: ACT Verbal 18-27. Students with scores 14-17 should first take COM 095; those with scores 0-13 should first take COM 094)
- 102 English Composition II. 3 hrs.**
Academic writing with an emphasis on research related writing and higher levels of critical thinking and reading. (Not open to juniors and seniors. PR: English 101 or equivalent)
- 201H English Composition Honors. 3 hrs. I, II.**
An accelerated course in English composition. Completion of 201H with a C or better satisfies the university requirement in freshman composition. Students completing the course are awarded three additional hours of credit toward graduation. (PR: Enhanced ACT English score of 28-33)
- 280-283 Special Topics. 1-4 hrs.**
- 302 Research Intensive Writing. 3 hrs.**
An upper-division research intensive writing course emphasizing research strategies, critical reading and thinking, and multi-stage writing processes in a variety of academic disciplines. (PR: English 101 or equivalent, and junior or above status.)
- 303 Appalachian Fiction and Poetry. 3 hrs.**
The study of short fiction, novels, and poetry of literary merit, reflecting the intellectual, emotional and aesthetic experience of Appalachia, including works by Dickey, Arnow, Berry, Smith, Mason and others. (PR: ENG 102 or 302, or 201H)
- 306 Introduction to Drama. 3 hrs.**
Study of drama as a literary type from the earliest periods to 1870, with emphasis on the development and analysis of form, structure, and language. (PR: ENG 102 or 302 or 201H)
- 307 Modern Drama. 3 hrs.**
British and American plays since 1870, with their backgrounds in foreign literatures. (PR: ENG 102 or 302 or 201H)
- 308 Contemporary Drama. 3 hrs.**
British and American plays since 1945. (PR: ENG 102 or 302 or 201H)
- 309 Literature of Fantasy. 3 hrs.**
Study of different forms, conventions, and styles in fantastic literature, such as in legend, fairy tale, horror story, heroic fantasy, nonsense, and romance. (PR: ENG 102 or 302 or 201H)

- 310 Biography. 3 hrs.**
British, American, and world literature as seen through selected major biographies. The study of biography as a literary type. (PR: ENG 102 or 302 or 201H)
- 311 Science Fiction. 3 hrs. I, II.**
Study of science fiction in its background, themes, types, analyses, and appreciation. (PR: ENG 102 or 302 or 201H)
- 313 Introduction to Poetry. 3 hrs.**
Theory, prosody, analysis, and principal types, forms, and themes; selected examples through literary periods and cultures. (PR: ENG 102 or 302 or 201H)
- 315 Introduction to Novel. 3 hrs.**
An introduction to the basic elements of the novel, such as forms and techniques, through careful reading of selected novels and criticism concerning them. (PR: ENG 102 or 302 or 201H)
- 317 English Literature to the Romantic Period. 3 hrs.**
English Literature from Beowulf through Pope. (PR: ENG 102 or 302 or 201H)
- 319 English Literature from the Romantics to the Present. 3 hrs.**
English Literature from the Romantics to the present. (PR: 102 or 302 or 201H)
- 320 The Political Novel. 3 hrs.**
Studies in English and American novels relating significantly to political themes. (PR: ENG 102 or 302 or 201H)
- 321 American Literature to 1860. 3 hrs.**
American Literature from the Colonial, Eighteenth Century, Federal and Romantic Periods. (PR: English 102 or 302 or 201H)
- 323 American Literature, 1860 to the Present. 3 hrs.**
American Literature from the late Nineteenth Century to the present. Not for majors. (PR: ENG 102 or 302 or 201H)
- 329 Twentieth Century Novel. 3 hrs.**
Criticism and analysis of principal British and American novels since 1900. (PR: ENG 102 or 302 or 201H)
- 331 Introduction to Short Story. 3 hrs. I, II, S.**
Criticism and analysis of representative short stories, primarily British and American. (PR: ENG 102 or 302 or 201H)
- 340 Introduction to African-American Literature. 3 hrs.**
A survey of major writers and types of literature. (PR: ENG 102 or 302 or 201H)
- 341 Introduction to Ethnic Literature of the U.S. 3 hrs.**
An examination of selected groups, writers, and types of literature from a cultural theory perspective. (PR: ENG 102 or 302 or 201H)
- 344 Film and Fiction. 3 hrs.**
The relationship between literature and cinema; analysis of literary masterpieces and the films derived from them. (PR: ENG 102 or 302 or 201H)
- 350 Junior Seminar in English. 3 hrs.**
First of two capstone courses for majors. Develops knowledge and abilities needed by English majors through study of American literature and literary critical theory, independent research, and portfolio. (PR: 15 hours in major)
- 354 Scientific and Technical Writing. 3 hrs.**
Types and styles of written reports required in science, government, industry, and medicine. Practical applications adapted to the needs of the individual student. (PR: ENG 102 or 302 or 201H)
- 360 Introduction to Creative Writing. 3 hrs.**
An introduction to writing of fiction and poetry. (PR: ENG 102 or 302 or 201H)
- 377 Creative Writing: Poetry. 3 hrs.**
Practice in writing poetry. (PR: ENG 360 or permission of instructor)
- 378 Creative Writing: Fiction. 3 hrs.**
Practice in writing fiction. (PR: ENG 360 or permission of instructor)
- 402 Composition and Rhetoric for Teachers. 3 hrs.**
Study of rhetorical invention and models of the composing process, with intensive practice in writing. (PR: ENG 102 or 302 or 201H)
- 405 History of the English Language. 3 hrs.**
The phonology, spelling, grammar, syntax, and vocabulary of previous language periods as background to Modern English. (PR: ENG 102 or 302 or 201H)
- 408 Advanced Expository Writing. 3 hrs.**
Reports, theses, briefs, abstracts and other expository types. Adapted to the needs of the individual student. (PR: ENG 102 or 302 or 201H)

- 409 **Milton. 3 hrs.**
Biographical and critical study, including Milton's English poetry and prose, and his literary and intellectual milieu. (PR: ENG 102 or 302 or 2011H)
- 410 **Shakespeare's Comedies, Tragicomedies, and Romances. 3 hrs.**
Intensive study of Shakespeare's comedies, tragicomedies, and late romances. Also includes the Sonnets and Venus and Adonis. (PR: ENG 102 or 302 or 201H)
- 411 **Chaucer. 3 hrs.**
The poetry of Chaucer, chiefly the Canterbury Tales, in the light of medieval tradition and critical analysis. (PR: ENG 102 or 302 or 201H)
- 412 **Shakespeare's Histories and Tragedies. 3 hrs.**
Intensive study of Shakespeare's Histories and Tragedies. (PR: ENG 102 or 201H or 302)
- 413 **English Novel to 1800. 3 hrs.**
Defoe, Richardson, Fielding, Smollett, and Sterne, with supporting study of their most important predecessors and contemporaries. (PR: ENG 102 or 302 or 201H)
- 414 **Nineteenth Century English Novel. 3 hrs.**
Austen, Scott, the Brontës, Dickens, Thackeray, Hardy and others. (PR: ENG 102 or 302 or 2011H)
- 415 **Victorian Poetry. 3 hrs.**
Tennyson, Browning, Arnold and others. (PR: ENG 102 or 302 or 2011H)
- 417 **English Drama to 1642. 3 hrs.**
Non-Shakespearean English drama from its beginning to the closing of the theatres. (PR: ENG 102 or 302 or 201H)
- 420 **Senior Seminar in Literature. 3 hrs. II.**
Advanced study of forms and movements. Individual research required. Limited to English majors with senior class standing. Capstone experience. (PR: 27 hours in major and ENG 350)
- 421 **American Literature to 1830. 3 hrs.**
Alternate Years. Study of American literature of the Puritan, Colonial, and Federal periods, including such authors as Jonathan Edwards, Edward Taylor, Benjamin Franklin, Phillis Wheatley, Washington Irving, and William Cullen Bryant. (PR: ENG 102 or 302 or 2011H)
- 422 **American Literature, 1830-1865. 3 hrs.**
Alternate Years. American literature of the Romantic Period, including such authors as Emerson, Poe, Melville, Hawthorne, Whitman, and lesser figures of the period. (PR: ENG 102 or 302 or 2011H)
- 423 **American Literature, 1865-1914. 3 hrs.**
Alternate Years. American literature of the Realistic and Naturalistic periods, including such authors as Howells, Twain, James, Dreiser, Dickinson, and Frost. (PR: ENG 102 or 302 or 2011H)
- 425 **Southern Writers. 3 hrs.**
The study of selected writers of the American South from the beginnings to the present with special attention on writers after 1920. (PR: ENG 102 or 302 or 2011H)
- 428 **International Literature. 3 hrs.**
Readings in contemporary literature from the non-Anglo-European world. Texts will be taken from Asian, African, South American, Australian, and other authors. No North American or Western European works. (PR: ENG 102 or 302 or 201H)
- 433 **Contemporary English Poetry. 3 hrs.**
Principal poetry since the Victorian period. (PR: ENG 102 or 302 or 2011H)
- 434 **Contemporary American Poetry. 3 hrs.**
Principal poetry since 1900. (PR: ENG 102 or 302 or 2011H)
- 436 **Medieval English Literature. 3 hrs.**
Old English elegiac and heroic poetry; Middle English lyrics and romances: the Ricardian and Malory. (PR: ENG 102 or 302 or 201H)
- 437 **Tudor Literature: Poetry and Prose of the 16th Century. 3 hrs.**
Survey includes works by More, Skelton, Wyatt, Sidney, Spenser, Nashe, Marlowe, Raleigh, Lyly, and Shakespeare, excluding drama. (PR: ENG 102 or 302 or 201H)
- 438 **17th Century Literature: Poetry and Prose. 3 hrs.**
Survey includes Donne and the Metaphysical poets, the Cavalier lyricists, Bacon, Browne, Herbert, Jonson, Burton, Walton, Hobbes, and Bunyan. (PR: ENG 102 or 302 or 2011H)
- 446 **Drama of the Restoration and 18th Century. 3 hrs.**
Trends, movements, and dramatic types in the English theatre of this period. (PR: ENG 102 or 302 or 2011H)
- 447 **English Romantic Poets. 3 hrs.**
Emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. (PR: ENG 102 or 302 or 2011H)

- 450 **Western World Literature to the Renaissance. 3 hrs. I.**
Major works (excluding English), with emphasis on Homer, the Greek Drama, Virgil, Dante, and Cervantes. (PR: ENG 102 or 302 or 201H)
- 451 **Western World Literature Since the Renaissance. 3 hrs. II.**
Major works (excluding English and American), with emphasis on Racine, Moliere, Goethe and principal continental fiction. (PR: ENG 102 or 302 or 201H)
- 455 **Literary Criticism. 3 hrs.**
Historical study, with application of principles. (PR: ENG 102 or 302 or 201H)
- 458 **Contemporary Fiction: Form and Theory. 3 hrs.**
Readings in contemporary fiction addressing the work in terms of formal and theoretical concerns. Cutting-edge texts that challenge our notions of genre, form, theory, and practice. (PR: ENG 102 or 302 or 201H).
- 462 **Restoration and Eighteenth Century English Poetry and Prose. 3 hrs.**
Includes works by Dryden, Swift, Pope, Johnson, Boswell, and Wollstonecraft. Emphasis on satire, biography, and literary criticism. (PR: ENG 102 or 302 or 201H)
- 465 **Literature of War. 3 hrs.**
Examines the literary responses to an individual war and discusses the artistic, cultural, and historical contexts of those responses.
- 475 **Introduction to Linguistics. 3 hrs. I, II.**
The structural and descriptive approach to study of the English language. (PR: ENG 102 or 302 or 201H)
- 476 **Modern Grammar. 3 hrs.**
A descriptive analysis of the structure of present day American English, utilizing the basic theory of generative transformational grammar. (PR: ENG 102 or 302 or 201H)
- 478 **Language, Society, and Self: An Introduction to Sociolinguistics. 3 hrs.**
Sociolinguistics is the study of the effects of language in society, relevant to discourse practices, language attitudes, variations, shifts, and changes. (PR: ENG 102 or 302 or 201H)
- 480-483 **Special Topics. 1-3 hrs. each.**
(PR: ENG 102 or 302 or 201H)
- 485-488 **Independent Study. 1-4 hrs. each.**
(PR: Permission of chair)
- 491 **Creative Writing: Poetry Workshop. 3 hrs.**
A practical and intensive class in exploring the varieties of creative expression; exercises on the creating of verse in different forms and styles. (PR: ENG 377 or permission of instructor)
- 492 **Creative Writing: Fiction Workshop. 3 hrs.**
Offers students a forum for presentation, discussion, and refinement of their work, either short stories or novels. (PR: ENG 378 or permission of instructor)
- 495H-496H **Readings for Honors in English. 2-4; 2-4 hrs. I, II.**
Open only to English majors of outstanding ability. Possible study areas include world literature, works of individual authors, etc. See Honors Courses. (PR: Permission of chair)

ENVIRONMENTAL SCIENCE (ES)

- 100 **Introduction to Environmental Science. 3 Hrs.**
A multi-disciplinary introduction to the Earth's environmental system to provide an understanding of global change and sustainability, and mutual interaction of the geosphere, biosphere, and humans.
- 200 **Environmental Science Seminar I. 2 hrs.**
This seminar will link the classroom materials with the reality of the workplace. Students will integrate multi-disciplinary information and knowledge through class discussions, writing projects, and presentations. (PR: ES 100)
- 280-283 **Special Topics. 1-4 hrs.**
Occasional offerings of current topics in environmental science, providing important supplementary material for participating students. (PR: Permission of instructor)
- 300 **Environmental Science Seminar II. 2 hrs.**
This second seminar will further link the classroom materials with industrial and environmental protection issues. Students will evaluate case studies representing different environmental perspectives. (PR: ES 200)
- 480-483 **Special Topics. 1-4 hrs.**
Occasional offerings of current topics in environmental science, providing important supplementary material for participating students. (PR: Permission of instructor)
- 485-488 **Independent Study. 1-4 hrs.**
An approved study of special interest concerning environmental science, under the supervision of a faculty member. (PR: Permission of instructor)

- 499 **Capstone Project. 1-6 hrs.**
An individualized environmental science capstone project, which will be planned and carried out under the supervision of a faculty member. (PR: Permission of instructor and minimum of junior standing)

FAMILY CONSUMER SCIENCES (FCS)

- 112 **Clothing Construction. 2 hrs.**
Basic principles of clothing construction.
- 160 **Overview of the Fashion Industry. 3 hrs.**
Fashion theories and cycles are studied in relation to the textile and apparel industries. Fashion designers, international and national fashion markets, raw materials, fashion production, distribution and selling are analyzed.
- 201 **Family Consumer Sciences the Profession. 1 hr.**
Overview of the Family Consumer Sciences profession, its specialities, and the career path in Family Consumer Sciences. Focus is on professional growth and integration of specialties with a family focus.
- 202a **Food Sciences Principles. 2 or 3 hrs.**
Principles of food selection, preparation and preservation (PR: FCS majors only.).
- 203 **Meal Management. 3 hrs.**
Problems involved in planning, preparing and serving nutritionally adequate meals. Emphasis on management of time, money and energy. (PR: FCS 110, 210)
- 210 **Nutrition. 3 hrs. I, II.**
Principles of human nutrition and their application in planning and evaluating dietaries for individuals and families.
- 212 **Textiles. 2 or 3 hrs.**
Natural and man-made textile fibers, methods of fabrication, and finishes as related to the selection, use and care of clothing and household textiles.
- 213 **Advanced Clothing Construction. 2 or 3 hrs.**
Experiments in construction techniques, fabrics and design compatibility. (PR: FCS 112 or an acceptable score on clothing construction pretest)
- 259 **Visual Merchandising. 3 hrs.**
Use of elements and principles of design to manipulate materials—props, background, lighting, mannequins, fabrics and signing—for three dimensional display. Includes business/commercial, retail and institutional display.
- 270 **Fashion Merchandising Practicum. 3 hrs.**
Involves application of coursework — processes, theories, systems, — at the post-sophomore level in the area of apparel or accessories retailing. (PR: Must have completed 15 hours of FCS coursework for placement)
- 280-283 **Special Topics. 1-4 hrs.**
- 303 **Child Development. 3 hrs.**
Care and guidance of young children two through five years in relation to their physical, emotional, mental and social development. Observation and participation in nursery school required.
- 305 **Family Consumer Sciences Education: Clinical Experience I. 1 hr. II.**
Develops competence in using presentation skills in teaching by means of micro-teaching and conferences. Use of audio-visual equipment and graphics. (PR: EDF 218. CR: EDF 319)
- 306 **Family Consumer Sciences Instructional Methods. 1 or 3 hrs.**
Professional role: objectives: methods, materials, evaluations; planning educative programs for varied learners in various settings. (PR: For Education majors only. EDF 319 and FCS 305. CR: For Education majors only CI 470)
- 314a **Socio-psychological Aspects of Clothing. 3 hrs.**
Psychological, sociological, economic and aesthetic aspects of clothing selection. (PR: FCS majors only. Others by permission.)
- 314b **Socio-psychological Aspects of Clothing. 1 hr.**
Psychological, sociological, economic and aesthetic aspects of clothing selection. (PR: FCS majors only. Others by permission)
- 349 **Evaluation of Ready-To-Wear. 3 hrs.**
Evaluation of ready-to-wear apparel from budget through couture price-point clothing. Analysis of construction, production and design for profitability and quality. (PR: FCS 112)
- 351 **Housing. 2 or 3 hrs.**
Influence of family needs, social and economic trends, and physical environment on housing; analysis of building materials and space utilization in housing.

- 354 **Home Furnishings. 2 or 3 hrs.**
Application of art elements and principles of design in selection, arrangement and use of furnishings and interiors of homes. (PR: ART 112 or consent of instructor)
- 358 **Family Resource Management. 3 hrs.**
Identification of management concepts with emphasis on principles and interrelationships within framework of the family.
- 359 **Merchandising: Processes and Procedures. 3 hrs.**
This course encompasses costing, markup, pricing, inventory, merchandise planning and control, direct and indirect cost. (PR: MTH 121 or higher)
- 401 **Maternal and Child Nutrition. 3 hrs.**
Nutritional requirements during prenatal and early growth periods; surveys of nutritional status. (PR: FCS 210 ; CHM 204 or 212; BSC 228)
- 402 **Foods of the World. 3 hrs.**
Characteristics and cultural aspects of the foods of the world.
- 405 **Quantity Food Production. 3 hrs.**
Basic principles of quantity food selection, preparation and service. Laboratory application in local food institutions. (PR: FCS 110 and FCS 203 or consent of instructor)
- 406 **The Vocational Home Economics Program. 2 or 3 hrs.**
Vocational home economics at the secondary, post secondary and adult levels with emphasis on types and organization of programs, legislation, and groups served. (PR: EDF 319 and FCS 306)
- 407 **Food Service Systems Management. 3 hrs.**
Administration of food service in institutions. (PR: MGT 320 and FCS 203)
- 410 **Nutrition in Aging. 3 hrs.**
Nutritional needs of the elderly and diseases responding to nutritional therapy. Government food programs for the elderly. (PR: FCS 210; BSC 228; CHM 204 or 212).
- 414 **Problems in Fashion Merchandising. 3 hrs.**
This course uses case studies and experiences of students to orient them to problem-solving in the areas related to retailing. (PR: FCS 160, 259, 270, 314 and 359)
- 415 **Family Relationships. 3 hrs.**
Relationships in the family during its life cycle, with some consideration of family life in other cultures.
- 416 **Prenatal and Infant Care. 3 hrs.**
Prenatal and postnatal care of the mother, development of the fetus and care of the infant throughout the first three years.
- 417 **Evolution of Fashion. 3 hrs.**
Fashion from Ancient Egypt to the present day. Includes influences of social, political and economic conditions on fashion as it has evolved. (PR: HST 101, 102 or 103 and ART 112 and 214)
- 419 **Tailoring. 3 hrs.**
Contemporary methods of custom tailoring with emphasis on suitable fabrics and construction processes for particular styles. (PR: FCS 213 or consent of instructor)
- 420 **Household Equipment. 2 hrs.**
Principles underlying the selection, use and care of household equipment.
- 427 **Family Resource Management Laboratory. 3 hrs.**
Home management laboratory to develop competencies in decision making, activity analyses, use of limited resources, and work simplification through individual and group analysis. (PR: FCS 358)
- 428 **Cooperative Education in Family Consumer Sciences Programs. 3 hrs.**
Principles of planning cooperative occupational education programs in FCS—emphasis on roles and responsibilities and coordination of in-/out-of-school experiences. (PR: FCS 305, 306, and PR: or CR: 406)
- 431 **Guidance of the Young Child: Practicum. 3 hrs.**
Techniques of guidance of young children with emphasis on adult-child interaction. Laboratory observation required. (PR: FCS 303 or permission)
- 432 **Parenting. 3 hrs.**
Examination of current challenges, problems, and issues in the field; analysis of effective strategies for parenting.
- 435 **Administration of Day Care Centers. 3 hrs.**
Instruction and practice in the development of day centers for three and four year old children and administration of programs in these centers. Laboratory participation required. (PR: FCS 303)
- 444 **Consumer Education. 2 or 3 hrs.**
Analysis of economic factors related to provision of consumer goods and services, investigations of sources of consumer information, and means of providing economic security for families.
- 450 **Family Consumer Sciences Education: Student Teaching in Family Consumer Sciences. 4-12 hrs.**
Directed teaching in an approved vocational Family Consumer Sciences program in a cooperating middle/secondary and/or vocational-technical school (PR: FCS 306, PR or CR: FCS 406)

- 459 **Fashion Buying. 3 hrs.**
Organization of retail firms, procurement of merchandise for different types of stores, planning and managing the merchandise assortment, the buyer's responsibilities in marketing, selling, promotion. Human resources are analyzed. (PR: FCS 160, 270 and 359)
- 460-463 **Professional Development. 1-4 hrs.**
Courses and activities designed to meet specific inservice needs of public school personnel. Credit may be used for certificate renewal and salary upgrading, if approved, but not in degree programs. CR/NC grading.
- 466 **Career Assessment Seminar in Family Consumer Sciences. 3 hrs.**
Synthesizes previous work and education experiences applicable to Family Consumer Sciences related occupations. Includes individual assessment of competencies for teaching occupational cluster. Emphasizes planning for further development. (PR: Previous work experience required)
- 471 **Family Consumer Sciences Practicum. 1-3 hrs.**
Involves application of coursework—processes, theories, systems—at the junior level—in the functional flow of an operation related to the student's area of study. (PR: 15 hours of FCS coursework and permission from major advisor/program director)
- 472 **Family Consumer Sciences Practicum. 1-4 hrs.**
Involves application of coursework—processes, theories, systems—at the senior level—in the management of resources within an operation related to the student's area of study. (PR: Permission)
- 480-483 **Special Topics. 1-4 hrs.**
Independent study in a selected area of Family Consumer Sciences. May not be used to replace any listed course.
- 485-488 **Independent Study. 1-4 hrs.**
- 490 **Fashion Merchandising Internship. 3 hrs.**
Faculty supervised, off-campus contractual work-study arrangements with clothing/textiles related retail businesses. Must have completed 21 hours of Family Consumer Sciences coursework and 15 hours of business coursework before placement. (PR: FCS 270)
- 491-494 **Workshop. 2-3 hrs.**
Workshop in selected areas of Family Consumer Sciences. Usually, credit for not more than two workshops may be applied toward the degree. (PR: Senior standing)
- 495H-496H **Readings for Honors in Family Consumer Sciences. 1-3; 1-3 hrs.**

FINANCE (FIN)

- 201 **Personal Finance. 3 hrs. I, II, S.**
To assist the consumer in management of personal financial affairs. Topics are consumerism, insurance, savings instruments, banking, personal expenditures and budgeting, personal taxes, house buying, introduction to investments, and estate planning. (Not open to Business majors with junior or senior standing.)
- 280 **Special Topics. 1-4 hrs.**
- 323 **Principles of Business Finance. 3 hrs. I, II, S.**
Business finance from viewpoints of business manager; use of financial statements, tools, and concepts for measuring and planning for profitability and liquidity. (PR: MGT 218, ACC 216)
- 325 **Commercial Banking. 3 hrs. II.**
Bank structure; asset and liability management; management of reserves; liquidity management; credit analysis and loan administration; costs and pricing of bank services; analysis of bank performance and capital adequacy; evolution of the "financial supermarket." (PR: FIN 323)
- 330 **Real Estate Finance. 3 hrs.**
A broad study of the principles of real estate media in relation to the instruments, investments, leasing, brokerage, management, development and appraisal. (PR: FIN 323)
- 343 **Corporate Financial Management. 3 hrs.**
Application of financial principles to corporate business problems. Computer analysis will be utilized where appropriate. (PR: FIN 323)
- 356 **Financial Management of Health Care Organizations. 3 hrs.**
Management of working capital, evaluation of financial data, capital budgeting, the capitalism process, and the study of third party reimbursement systems. (PR: FIN 323)
- 370 **Principles of Investment. 3 hrs. I, II.**
A study of risks and returns of investment media in relation to the primary investment objectives of the investors. (PR: FIN 323)
- 415 **Case Studies in Banking. 3 hrs.**
National and international banking cases involving problems of management of the money position, loans and investment portfolio, and capital adequacy. Simulates actual bank operations and analysis of bank performance. Capstone experience. (PR: FIN 325)

- 425 Security Analysis and Portfolio Management. 3 hrs.**
Analytical procedures for valuing various financial securities and techniques for the creation and maintenance of portfolios. (PR: FIN 323)
- 435 Money Markets and Capital Formation. 3 hrs. II.**
Study of federal monetary theory and practices, as well as federal fiscal policies. More emphasis will be placed on the activities of financial institutions than on single businesses or on individual investors. Included in the capital market area is the study in some depth of the operations of registered securities exchanges and the over-the-counter market. (PR: FIN 323)
- 440 International Finance. 3 hrs.**
International financing techniques and the role of finance in multinational organizations. (PR: FIN 323)
- 470 Advanced Financial Analysis and Planning. 3 hrs.**
Financial planning, working capital management, capital budgeting, dividend policy and comprehensive problems. Capstone Experience. (PR: FIN 370)
- 480 Special Topics. 1-4 hrs.**
Study of an advanced topic not normally covered in other courses. Finance majors only, with permission of department chairman.
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 490 Internship. 3-12 hrs. (CR/NC)**
A supervised internship in which the student works for a business firm/agency to gain practical experience in the student's major. The program of work and study will be defined in advance and the student's performance will be evaluated. (PR: Permission of Dean)

FINE ARTS (FA)

- 101 Introduction to the Arts. 3 hrs. I. II. III.**
An introduction to art, music and theatre which explores the relationships and distinctions among the arts.

FRENCH (FRN)

- 101-102 Elementary French. 3; 3 hrs. I, II, S.**
Pronunciation, conversation, reading, and composition with emphasis on aural/oral development. (PR for 102, French 101 or one unit credit of high school French or departmental examination)
- 161R-162R Elementary French Reading Approach. 3; 3 hrs. I, II.**
Emphasis on rapid development of reading and comprehension skills through the recognition of patterns based on the act of reading French itself and intensive word study. Taught in English. Not open to majors. (PR for 162R: FRN 161R)
- 203 Intermediate French. 3 hrs. I, II, S.**
Continuation on the intermediate level of the basic language skills: pronunciation, conversation, reading, and composition with emphasis on aural/oral development. (PR for 203: FRN 102 or two units of high school French or departmental examination)
- 204 Intermediate French. 3 hrs. I, II, S.** Development of practical conversational skills, reading for comprehension, and directed composition.
- 240 French Society and Life. 3 hrs. I or II.**
Selected topics relating to culture and life in the French-speaking countries. Lectures, readings, and discussions in English.
- 263R Intermediate French Reading Approach. 3 hrs. I.**
Emphasis on rapid development of reading skills in magazines, newspapers, and journals accompanied by review of verb systems and advanced grammatical principles. Not open to majors. (PR for 263R: FRN 162R)
- 264R Intermediate French Reading Approach. 3 hrs. II.**
Emphasis on reading for comprehension in short stories, periodicals, and technical journals according to student interest. Not open to majors. (PR for 264R: FRN 263R)
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: FRN 204)
- 310-311 Advanced Conversation. 3; 3 hrs.**
Pronunciation, phonetics, oral practice. Emphasis is on oral skills with vocabulary building and refinement of pronunciation. (PR for 310: FRN 204 or four units of high school French. PR for 311: French 204).
- 314 Studies in Language Laboratory Techniques. 3 hrs.**
Training in the use of laboratory equipment. Clinical practice in the use of laboratory facilities. 2 hour lab to be arranged. Open to education majors only. (PR: FRN 204)

- 315-316 Advanced Grammar and Composition. 3; 3 hrs.**
Study of idioms, grammatical structure, and syntax with emphasis on free composition, use of language laboratory, and formal study of the art of translation from English to French. (PR for 315-316: FRN 204.)
- 317-318 Survey of French Literature. 3; 3 hrs.**
A study of important literary movements, representative authors and their works from the Middle Ages to present. (PR: FRN 204)
- 401 Seventeenth Century French Theater. 3 hrs.**
Study of representative plays by the classical dramatists Corneille, Moliere, and Racine. This course is conducted entirely in French. (PR: FRN 204)
- 402 Eighteenth Century French Literature. 3 hrs.**
Study of representative works by the philosophers, Montesquieu, Rousseau, Voltaire, and Diderot. The course will be conducted in French. (PR: FRN 204)
- 403 Nineteenth Century French Novel. 3 hrs.**
A study of major novels chosen to illustrate the romantic, realistic, and naturalistic literary movements. This course will be conducted in French. (PR: FRN 204)
- 404 Twentieth Century French Novel. 3 hrs.**
A study of representative 20th century French novels. The course will be taught in French. (PR: FRN 204)
- 405-406 French Civilization and Culture. 3; 3 hrs.**
French Culture from prehistoric to modern times with emphasis on contemporary life and French institutions. This course is conducted in French, and full language credit is given. Capstone experience. (PR for FRN 405 or 406: FRN 204)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs. I, II.**
A course for advanced students sufficiently prepared to do constructive work in phases of the language or literature of interest to them. (PR: FRN 204 or permission)
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: FRN 204)
- 495H-496H Readings for Honors in French. 2-4; 2-4 hrs. I, II.**
Open only to French major of outstanding ability. See Honors Courses.

GEOGRAPHY (GEO)

- 100 Cultural Geography. 3 hrs. I, II.**
A survey of major countries of the world in a regional context with emphasis on cultural elements that are significant to man.
- 101 Physical Geography. 4 hrs. I, II.**
Systematic survey of earth-sun relationships, land-surface form, climate, soils, water, natural vegetation, and other natural content as a background for human geography. 3 lec-2 lab.
- 203 Economic Geography. 3 hrs. I, II, S.**
World geography with units built around specific products of agriculture, manufacturing, and mining, as related to human numbers, soil, climate, geology, and other factors of natural environment.
- 206 Geography of West Virginia. 3 hrs.**
Transportation, population, mining, industry, and agriculture as related to climate, soils, land forms, and other natural environmental items.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 302 Geography of Europe. 3 hrs.**
Relationship between man's activities and natural environment studied by countries, with attention given to inter-relation of countries.
- 305 Geography of North America. 3 hrs.**
Natural regional divisions emphasizing major economic activities and environmental factors with chief emphasis given to the United States.
- 309 Geography of South America. 3 hrs.**
A study of settlement, transportation, manufacturing, geopolitics, and natural resources of South American countries.
- 314 Geography of Middle East. 3 hrs.**
A geographical study of agriculture, transportation, manufacturing, settlement, geopolitics, and natural resources of the Middle Eastern countries.
- 315 Geography of Africa. 3 hrs.**
Low latitude and lower middle latitude regions given relationship approach with national and sectional problems stressed.
- 317 World Geography Problems. 3 hrs. I, II, S.**

Agriculture, industry, mining and transportation studied on global basis. Physical geography introduced and regional climatic approach clarified.

320 Conservation of Natural Resources. 3 hrs. I, II.

A study of the critical resources approached from the historic, geographical, ecological, and recreational viewpoints.

401 Historical Geography of the United States. 3 hrs.

Study of coastal settlements, the population spread through Appalachia and the Mississippi Basin and the development of intermountain and Pacific Coast centers.

402 Geography of Appalachia. 3 hrs.

A study of settlement, transportation, manufacturing, agriculture and resource potential.

403 Geography of Asia. 3 hrs.

Special attention given activities and environment in representative continental countries and nearby islands.

405 Political Geography. 3 hrs.

A systematic and regional survey of world political problems and international relations stressing studies of the United States, Europe, and the Soviet Union.

408 Geography of Mexico and Central America. 3 hrs.

A geographical study of agriculture, transportation, settlement, geopolitics, and natural resources.

410 Urban Geography. 3 hrs.

Study of city function, patterns, past and current problems confronting the city including planning, zoning, housing, and urban renewal.

412 Geography of Russia and CIS. 3 hrs.

Geographical appraisal of cultural, political, and economic aspects of Russia and the Commonwealth of Independent States.

414 Methods and Techniques of Regional Planning. 3 hrs.

Introductory planning with emphasis on methods, techniques, tools and principles necessary to accomplish objective regional planning.

415 Regional Planning and Development. 3 hrs.

The philosophy, theories, and principles involved in planning of urban and rural areas. (PR: GEO 414 or permission of instructor)

416 Urban and Rural Land Use. 3 hrs.

A study of the principles and techniques of urban-rural land use, and the problems and issues encountered in the practice of land use.

417 Coal Industries Studies: Past & Present. 3 hrs.

An interdisciplinary study for all facets of the coal industry within a historic perspective. Emphasis is placed upon coal industry of West Virginia and the tri-state region.

418 Geography for Teachers. 3 hrs.

A study of elements of geography most essential for effective teaching of geographic content in professional education and the social studies.

420 Field Geography of West Virginia. 3 hrs.

Representative areas in lumbering, mining, agriculture, and industry studied through field methods. Capstone experience.

425 Climatology. 3 hrs.

A study of elements of weather and climate, methods of climatic classification, and distribution and characteristics of world climate regions.

429 Cartography. 3 hrs.

Understanding principles and developing skills in the use of cartographic drafting equipment and in map making.

430 Cartography and Geographic Information Systems. 3 hrs.

Introduction to computer use in mapping and geographic information systems.

480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.

485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.

495H-496H Reading for Honors in Geography. 4; 4 hrs. I, II.

See Honors Courses.

GEOLOGY (GLY)

110 General Geology. 3 hrs. I, II, S.

A beginning level geology course which surveys elements of earth materials, processes, structures and history. Designed primarily for the non-science major. Prospective majors must maintain at least a B average to use Geology 110 as a prerequisite for other geology courses. 3 lec. (CR: GLY 210I.) Recommended follow-up courses are Geology 201 and 211L.

- 150 **Introductory Oceanography. 3 hrs. I, S.**
Origin of the seas and ocean basins. Processes of marine sedimentation and seawater chemistry. Dynamics of air/sea interaction, circulation, waves and tides. Description of coastal and other marine environments. 3 lec. (CR: GLY 150L)
- 150L **Introductory Oceanography Laboratory. 1 hr.**
A complementary laboratory to Introductory Oceanography, GLY 150. A series of exercises relating to bathymetry, acoustic profiling, marine charts, properties of seawater, sea floor sediments, currents, waves and tides. (PR or CR: GLY 150)
- 160 **Energy and Mineral Resources of the Earth. 3 hrs.**
A survey of mineral and energy resources (metals, industrial rocks and minerals, fossil and nuclear fuels, water, and soils), their geologic context, and environmental impact of their extraction and consumption.
- 200 **Physical Geology. 3 hrs. I, II.**
An elementary but comprehensive physical geology course that deals with the earth's origin, composition, structures, tectonics and processes. Intended primarily for, but not limited to, the science major. 3 lec. (CR: GLY 210L) Recommended follow-up courses are Geology 201 and 211L.
- 201 **Historical Geology. 3 hrs. II.**
Chronological history and development of the earth, sequence of the geologic ages and rock formations, development and evolution of life as revealed by fossils. (PR: GLY 110 or 200. CR: GLY 211L)
- 210L **Earth Materials Laboratory. 1 hr. I, II, S.**
An introduction to laboratory and materials as applied to the identification, classification, recovery and uses of earth resources. 2 lab. (CR: GLY 110 or 200)
- 211L **Historical Geology Laboratory. 1 hr. II.**
Reconstruction of events in earth history based on physical characteristics and arrangement of rock layers and their fossil content. 2 hr. lab. (PR: 210L; CR: GLY 201)
- 212 **Geological Field Mapping. 2 hrs. I.**
An introduction to geologic mapping and map interpretation, preparations of topographic and geologic cross sections. 2 lab. (Field work). (PR: GLY 110, 200 or 201. Required of majors)
- 313 **Structural Geology. 4 hrs. I, Alternate years (even numbers)**
Analysis, classification and origin of depositional and deformational structures common to all classes of rocks, their structural history, relationships, and stresses which caused them. 3 lec.-2 lab. (PR: GLY 200).
- 314 **Mineralogy. 4 hrs. I, Alternate years (odd numbers)**
Identification, classification, origin, occurrences, and economic uses of minerals and their crystallographic forms. 3 lec-2 lab. (PR: GLY 110 or 200, CHM 211, 212 and appropriate labs)
- 325 **Stratigraphy and Sedimentation. 4 hrs. I, Alternate years (even numbers)**
Formation, organization, sequence, and correlation of sedimentary rocks: study of the origin, transportation and deposition of rock-forming sediments. 3 lec-2 lab. (PR: GLY 201)
- 410 **Big Bend Field Excursion. 2 hrs.**
Field trip to Big Bend National Park, Texas to study the structure, stratigraphy, igneous geology, metamorphic geology, paleontology and natural history of this national park. (PR: 12 hours of geology)
- 418 **Invertebrate Paleontology. 4 hrs. I, Alternate years (even numbers).**
Taxonomy, morphology, and paleoecology of body and trace fossils representing the major invertebrate phyla; analysis and interpretation of faunal assemblages; evolution and extinction of species. (PR: GLY 201)
- 421 **Petrology. 4 hrs. I, Alternate years (even numbers)**
Identification and classification of igneous, and metamorphic rocks, their origin and occurrence; their geologic and economic importance. 3 lec-2 lab. (PR: GLY 200. GLY 314 or consent)
- 422 **Economic Geology. 4 hrs. II, Alternate years (even numbers)**
Origin, distribution and economics of the metallic and non-metallic ore deposits. 3 lec-2 lab. (PR: GLY 201, 314, or consent).
- 423 **Sedimentary Petrography. 4 hrs. I, Alternate years (odd numbers)**
Megascopic and microscopic identification and a depositional and post depositional interpretation of the sedimentary rocks. 3 lec-2 lab. (PR: GLY 201 and 314)
- 455 **Hydrogeology. 3 hrs. I, Alternate years (odd numbers)**
The properties of water, the hydrologic cycle with emphasis on surface and groundwater processes, the uses, needs and problems associated with water resources. 3 lec. (PR: GLY 110 or 200; CR: GLY 455L for majors, elective for non-majors)
- 455L **Hydrogeology Laboratory. 1 hr. I, Alternate years (odd numbers)**
A two-hour laboratory of practical hydrogeologic problem solving. For non-majors, elective. (CR: Geology 455 for majors)

- 456 Environmental Geology. 3 hrs. II, Alternate years (even numbers)**
Through lecture and demonstration, the interactions of man and the earth, dealing with natural resources, natural hazards, cultural and urban geology and future planning. (PR: GLY 200)
- 456L Environmental Geology Laboratory. 1 hr.**
A laboratory to complement GLY 456, Environmental Geology, dealing with current solutions to environmental problems through real life exercises. (PR: GLY 200, 210L, 451, 451L.)
- 457 Engineering Geology. 3 hrs. I., Alternate years (even numbers).**
A course for geology majors employing geological principles and methods to solve geotechnical engineering problems. (PR: GLY 200, 210L, 451 and 451L., or by permission of the instructor)
- 485-488 Independent Study. 1-4 hrs.**
- 491-492 Capstone Experience. 2-4 hrs.**
An independent study involving a research project or internship; must be approved by geology faculty.

GERMAN (GER)

- 101 Elementary German I. 3 hrs.**
Pronunciation, conversation, reading, and composition with an emphasis on aural/oral development.
- 102 Elementary German II. 3 hrs.**
Pronunciation, conversation, reading, and composition with an emphasis on aural/oral development. (PR: GER 101 or 1 unit of high school German or department exam.)
- 203 Intermediate German. II. 3 hrs. I, II, S.**
Continuation on the intermediate level of the basic language skills; pronunciation, conversation, reading, and composition with emphasis on aural/oral development. (PR for 203: GER 102 or two units of high school German or departmental examination)
- 204 Intermediate German. 3 hrs. I, II.**
Completion on the intermediate level of the basic language skills; pronunciation, conversation, reading, and composition with emphasis on aural/oral development. (PR for 204: GER 203 or three units of high school German or departmental examination)
- 240 German Society and Life. 3 hrs. I or II.**
Study of selected topics relating to culture and life in the German speaking countries. Lectures, readings, and discussions in English. No prerequisite.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: GER 204)
- 301 Drama of the 19th and 20th Centuries. 3 hrs.**
A survey of literary trends and main authors. Reading and comprehension of selected dramas of the period. (PR: GER 234)
- 302 Prose of the 19th and 20th Centuries. 3 hrs.**
A survey of literary trends and main authors. Reading and comprehension of selected stories and discussion of novels. (PR: GER 204)
- 314 Studies in Language Laboratory Techniques. 3 hrs. II.**
Training in the use of laboratory equipment. Clinical practice in the use of laboratory facilities. Two hour lab to be arranged. Open to education majors only. (PR: GER 204)
- 315-316 Advanced Grammar and Composition. 3; 3 hrs.**
Study of idioms, grammatical structure, and syntax with emphasis on free composition, use of language laboratory, and formal study of the art of translation from English to German. (PR for 315: GER 204. PR for 316: GER 315 or consent of instructor)
- 405-406 German Civilization and Culture. 3; 3 hrs. I, II.**
German culture from prehistoric times to present-day divided Germany. Lectures, reports, discussions, representative readings in English and German. Capstone experience. (PR: GER 204).
- 417-418 Survey of German Literature. 3; 3 hrs.**
A study of important literary movements, representative authors and their works from the Middle Ages to the present. (PR for 417 or 418: GER 204)
- 419-420 German Literature of the Classical Age. 3; 3 hrs.**
German literature of the classical age, stressing Goethe, Schiller, and romanticism. (PR: for 419: GER 204 and at least one literature course and consent of instructor)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs. I, II.**
(PR for GER 480-483: GER 204 and permission of instructor.)
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: GER 234 and permission of instructor.)
- 495H-496H Readings for Honors in German. 2-4; 2-4 hrs. I, II.**
Open only to German majors with outstanding ability. See Honors Courses.

GREEK (GRK)

- 201-202 Ancient Greek First Year. 3; 3 hrs. I, II.**
(PR for GRK 202: GRK 201)
- 301-302 Ancient Intermediate Greek. 3; 3 hrs. I, II.**
Varied readings including selections from Homer's Iliad. Dialogues of Plato and the New Testament.
(PR: GRK 202 for 301; GRK 301 for 302).
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**

HEALTH EDUCATION (HE)

- 220 Personal Health I. 3 hrs. I.**
A survey course that focuses upon wellness promotion and prevention of various health problems.
- 221 Personal Health II. 3 hrs. I, II.**
An examination of the health content areas of mental/emotional health, substance use/abuse, and human sexuality/family life education.
- 222 First Aid. 3 hrs. I, II, S.**
First aid, safety and survival education for home and community situations.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 321 The School Health Program. 3 hrs. I, II, S.**
A consideration of the comprehensive school health program, including a special focus upon health services and health instruction. (PR: EDF 218)
- 325 School and Community Health. 3 hrs. II.**
An examination of some of the specific relationships between school and community health programs, including the roles and interaction of public, professional, private and voluntary health agencies with the school. (PR: HE 220, 221, 321)
- 426 Curriculum in Health Education. 3 hrs. I.**
A study of principles, objectives, and procedures in curriculum development for middle and secondary school programs including historical and philosophical perspectives, and comparing current curricula. (PR: HE 220, 221, 321, 325)
- 430 Health Issues in Physical Education and Athletics.. 3 hrs.**
Survey of current health issues such as sanitation, contagious diseases, substance abuse, ergogenic aids, and diet/nutrition in PE and athletics. (PR: HE 221, PE 201, PE 215, PE 435)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Health education majors only, with permission of department chairman.
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**

HISTORY (HST)

- 101 The Great Civilizations to 1300. 3 hrs. I, II.**
Comparative study of the origin and course of major civilizations focusing on the Middle East, India, China, and the West.
- 102 The World and the Rise of the West, 1300 to the Mid-19th Century. 3 hrs. I, II.**
An interdisciplinary analysis of the foundations of Western development.
- 103 The Twentieth Century World. 3 hrs. I, II.**
Major world developments and trends from the 19th century to the present and their implications for the future.
- 103H Twentieth Century World - Honors. 3 hrs.**
Survey for superior students of world developments and trends from the 19th century to the present and their implications for the future. (PR: 3.0 GPA perm.)
- 125 American Business History. 3 hrs.**
A survey of the development of the major financial, commercial, manufacturing, and transportation enterprises which transformed the United States from an agricultural to a leading industrial nation.
- 200 Sophomore History Methods Workshop. 3 hrs.**
An introduction to the most fundamental methods of the discipline. Students will learn to use library resources, practice document interpretation skills, and identify and evaluate historical arguments.
- 202 History of Medicine. 3 hrs.**
A survey of the major developments in the theory and practice of medicine from the Renaissance to the 20th century.
- 205 English History to 1642. 3 hrs. I.**
A political and social survey of England. Emphasis is placed on the development of the English Parliament.
- 206 English History Since 1642. 3 hrs. II.**
A continuation of English History 205. Special attention is given to the development of ministerial government and to the growth and decline of the British Empire.

- 208 **History of Third World. 3 hrs.**
A comparative survey of selected Third World countries focusing on imperialism, colonialism and present developmental efforts.
- 219 **Ancient History. 3 hrs.**
A survey of the ancient Near East, Greece, and Rome with emphasis on Greek and Roman civilization from Mycenaean times through the Roman Empire of the 5th Century.
- 221 **War in Modern Times. 3 hrs.**
Emphasis upon trends in military thought and practices in western civilization. Special attention to the two world wars of the Twentieth Century.
- 223 **The Rise and Fall of Nazi Germany. 3 hrs.**
A study of the origins, course, and collapse of the Third Reich. Some attention will be given to pre-Nazi period.
- 230 **American History to 1877. 3 hrs. I, II, S.**
A general survey from the discovery in 1492 through the period of Reconstruction.
- 230H **American History to 1877 - Honors. 3 hrs.**
A survey of American history to 1877 for the superior student. (PR: 3.0 GPA)
- 231 **American History Since 1877. 3 hrs. I, II, S.**
A general survey since Reconstruction.
- 231H **American History Since 1877 - Honors. 3 hrs.**
A general survey since Reconstruction for the superior student. (PR: 3.0 GPA)
- 250 **Women in United States History. 3 hrs.**
A study of the public and private contributions of women in the shaping of the United States from the Colonial period to the present.
- 260 **Rise of Islam, 570-1750. 3 hrs.**
A study of the Middle Eastern region from pre-Islamic Arabia to the pinnacle of Ottoman imperial control. Emphasis is placed on cultural, social, and political developments.
- 261 **The Modern Middle East. 3 hrs.**
A survey of the modern Middle East with emphasis on the historical background of current controversial issues confronting the region.
- 280-283 **Special Topics. 1-4; 1-4; 1-4 hrs.**
Selected topics not covered in regular course offerings.
- 301 **Latin America: Discovery to Independence. 3 hrs.** Emphasis is on conditions which influenced the development of Latin America and eventually led to the independence movement.
- 302 **Latin America: Independence to the Present. 3 hrs.**
Emphasis is on the political, economic and social institutions of Argentina, Brazil, Chile and Mexico.
- 303 **The American Military Experience. 3 hrs. I.**
Examines the American military tradition from the colonial period to the present with particular emphasis on the Twentieth Century.
- 304 **Spanish History Since 1475. 3 hrs.**
A survey of Spain's historical development emphasizing her rise and decline as a world power, the impact of persistent internal conflict, the Franco dictatorship and the transition to democracy.
- 312 **African-American History, 1619 to Present. 3 hrs.**
A survey of African-American History from African and West Indian origins to the present.
- 317 **History of U.S. Immigration. 3 hrs.**
A study of America's unprecedented "melting-pot" heritage via the personal and collective experiences of immigrant groups and how they fared socially, economically and politically in the 19th and 20th centuries.
- 323 **Religion in America. 3 hrs.**
The rise and development of religion and of religious thinking in America. (Same as Religious Studies 323)
- 333 **American Colonial History. 3 hrs.**
A study of the historical development of the English colonies in America.
- 342 **American Legal History. 3 hrs.**
Historical development of American law in areas ranging from slavery and racial discrimination to civil liberties and crime and punishment.
- 345 **History of Mentalities. 3 hrs.**
This course provides an introduction to the literature and methods of the history of mentalities which is the study of the world views and activities of ordinary, largely inarticulate peoples.
- 350 **American Labor History. 3 hrs.**
The history of the American labor movement.
- 377 **China in the 20th Century. 3 hrs.**
Traces China's history from the turbulent close of the dynastic era at the end of the 19th century through the present Communist period.

- 378 **The Emergence of Modern Asia. 3 hrs.**
A selective look at Modern Asia, focusing on Japan, China, Korea, Taiwan, Vietnam and Indonesia and American interaction with the Asian nations.
- 400 **Senior Seminar. 3 hrs. II.**
A capstone course for History majors. Survey of literature and practical experience in methods and sources of history through bibliographical study and research papers. Capstone experience. (PR: HST 200, Senior standing or by permission.)
- 402 **American Intellectual History 1865 to Present. 3 hrs.**
A critical examination of intellectual, creative, and literary movements in the modern era.
- 403 **American Urban History. 3 hrs.**
Study of the political, economic, social, and intellectual impact of the city upon American history, and the impact of history upon the growth of American urbanization.
- 404 **American Diplomacy, 1789-1900. 3 hrs.**
American foreign policy from colonial times to 1900 emphasizing the gradual development of the United States and its achievement of membership in the family of nations.
- 405 **American Diplomacy, 1900 To Present. 3 hrs.**
American foreign relations in the 20th century. The gradual retreat from isolation in the period between World War I and World War II and modern American involvement in international commitments are stressed.
- 406 **Tudor and Stuart England, 1450-1688. 3 hrs.**
A history of England under the Tudors and Stuarts, focusing primarily on demographic, social, cultural, and political developments.
- 409 **American Revolution. 3 hrs.**
A varied view of the American Revolution and its impact on the American people.
- 410 **Conquering the Continent: America's Frontier Experience. 3 hrs.**
A survey of the American frontier experience with particular emphasis on the fate of the American Indian, the environment and the character of the American-created culture.
- 411 **American Social and Cultural History 1607 to Present. 3 hrs.**
A study of the changes and continuities in American Social Cultural History from 1607 to present.
- 413 **History of the Old South, 1492-1860. 3 hrs.**
A study of the political, economic, social, and cultural conditions in the South that led to the development of the South as a distinct section in the United States.
- 414 **Civil War and Reconstruction. 3 hrs.**
A discussion of the economic, political, social, and cultural differences leading to the Civil War, the war itself, and an analysis of the political and economic importance of Reconstruction.
- 415 **History of the New South, 1877 to the Present. 3 hrs.**
A study of the political, economic, social, and cultural changes in the South after Reconstruction, which explains conditions in the contemporary South.
- 416 **American Social Movements. 3 hrs.**
A study of the social movements which have influenced the course of American History. Includes abolition, women's rights, Progressivism, civil rights.
- 421 **The Era of the Renaissance and Reformation. 3 hrs.**
The impact of the Renaissance upon esthetic, economic and political developments especially in the 15th and 16th centuries. The decline of Catholicism and the growth of the Protestant movement, and the influence of the two movements upon each other are stressed.
- 422 **The French Revolution and the Napoleonic Era. 3 hrs.**
Society and government in Europe before the French Revolution and the influence of the enlightenment; ideas and changes introduced by the revolution and Napoleon and their effect on the institutions and economy of Europe.
- 423 **US Latin-American Relations. 3 hrs.**
An appraisal of political, economic, and cultural relations of the U.S. and Latin America in a historical context with emphasis on the period since 1945.
- 424 **U.S. Science and Technology. 3 hrs.**
A study of the development and impact of science and technology in the U.S. with special emphasis on the modern period.
- 425 **European History, 1814-1914. 3 hrs.**
A century of European political, economic, and social history and its relationship to and influence upon the history of other world areas is noted. The impact of imperialistic rivalry is emphasized.
- 426 **European History, 1914 to Present. 3 hrs.**
The impact of World War I upon Europe, the era between two world wars, the search for world peace, and World War II and its aftermath are major topics of consideration.
- 428 **Intellectual and Cultural History of Modern Europe. 3 hrs.**
A survey of the main events in European thought and culture in the 19th and 20th centuries.

- 429 **Russia to 1917. 3 hrs.**
A survey of Russian history to 1917 which examines Russia before the Russians, Kievan Russia, Appanage Russia, Muscovite Russia, and Imperial Russia.
- 430 **Soviet Russia. 3 hrs.**
A continuation of History 429 which examines the development of Soviet Russia from its beginnings to the present. Emphasis is placed upon political and economic changes in the Soviet system and on Communist expansion in Europe and Asia.
- 431 **America in the Gilded Age. 3 hrs.**
A study of America's transformation from a rural, agrarian nation into an urban, industrial world power; the final destruction of the American Indian; the settlement of the West; and the farmers' revolt.
- 432 **America Matures 1900-1945. 3 hrs.**
An examination of the social, political, and economic trends in the United States in the first half of the 20th century, emphasizing social upheavals, conflicts, and reform movements at home and abroad.
- 433 **In Our Time - America Since 1945. 3 hrs.**
A study of America since World War II, focusing mainly on domestic politics, foreign affairs, the civil rights movement, the rise of minorities, and the fragmentation of American society.
- 434 **The American Experience in Vietnam. 3 hrs.**
A study of the origin and escalation of American involvement in Vietnam, the domestic impact of the war within the United States and the collapse of the South Vietnamese government.
- 435 **Modern Japan. 3 hrs.**
Begins with an overview of nineteenth century Japan and stresses the twentieth century rise of Japan to the position of world power.
- 440 **West Virginia History. 3 hrs.**
An interdisciplinary study of the state, its people and its institutions within the national context. (PR: HIST 230 and 231)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Consent of department chair).
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Consent of department chair).
- 495H-496H **Readings for Honors in History. 4; 4 hrs. I, II.**
Open to history majors of outstanding ability. Study may deal with any field of history. Wide reading and comprehensive understanding of the era are required. (PR: Consent of department chair) See Honors Courses.

INSTRUCTIONAL TECHNOLOGY AND LIBRARY SCIENCE (ITL)

- 115 **Introduction to Library Skills. 1 hr. I, II.**
Prepares students to use the University Library, to become familiar with basic reference sources, and to utilize bibliographic tools and data bases in search strategies. Not open to library science majors.
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 350 **Instructional Technology and Computing. 3 hrs.**
Critical examination and skill development using commercial, noncommercial, and computer-generated media. Emphasis is placed on its application to teaching and learning.
- 365 **Orientation to Instructional Technology. 1 hr. I, II, S.**
Utilization of basic audiovisual equipment and production of simple graphic aids.
- 370 **Practicum (Field Work). 1-4 hrs.**
Practical experience in libraries, audiovisual centers, media centers, or related areas adapted to the student's background, experiences, and future occupational and professional goals.
- 401 **History of Libraries and Informational Retrieval Systems. 3 hrs.**
Study of the development of libraries and information-storage technology, from early times to the present, with emphasis on the impact of computer-based systems.
- 415 **Reference & Bibliography. 3 hrs.**
Study of the basic reference sources for elementary and secondary school libraries. Emphasis on materials evaluation, the reference interview, search strategies, and the impact of new technologies.
- 420 **Cataloging. 3 hrs.**
Fundamentals of cataloging and classification, applying AACR2, the Dewey Decimal system, and related aids to the organization of library materials. Implications of new technology for technical services will be addressed.
- 425 **Library Organization and Administration. 3 hrs.**
Principles of administration for elementary and secondary school library-media centers and public libraries, including personnel, facilities, budgets, program planning and evaluation, publicity and public relations, audiovisual equipment and materials, computer hardware and software, and methods and materials for teaching library skills.

- 445 **Techniques for Storytelling. 3 hrs.**
Techniques for storytelling intended primarily for public librarians and public school librarians.
- 450 **Library Practice (Field Work). 4-6 hrs. (C/NC)**
Practical experience in the application of techniques of library service, adapted as far as possible to the student's needs. (PR: ITL 415, 420, and 425. CR: CI 450. except for students in a Comprehensive Subject Specialization or the Elementary Education program) NOTE: Students must file an application for permission to enroll in Library Practice. Applicants follow the same procedure as prescribed for Student Teaching.
- 465 **Utilization of Instructional Technology. 3 hrs.**
Utilization of instructional media materials, equipment and techniques.
- 466 **Production of Instructional Materials. 3 hrs.**
Basic techniques in making slides, photographs, dry and wet mountings, transparencies, posters and similar graphic instructional materials.
- 467 **Basic Media Skills Development for Instructional Design. 3 hrs.**
Basic techniques in producing and using a variety of audiovisual aids, i.e., photography, scripting, developing logos, audio-recording, and layout design of manuals. This course also prepares one to produce a slide-tape presentation
- 468 **Computer Graphics in Instructional Technology. 3 hrs.**
A basic course designed to assist the student in becoming familiar with a variety of software graphics packages.
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission)
- 491-494 **Workshop in Instructional Technology. 1-4; 1-4; 1-4; 1-4 hrs.**
- 495H-496H **Readings for Honors in Instructional Technology. 1-3; 1-3 hrs.**

INTEGRATED SCIENCE AND TECHNOLOGY (IST)

- 101 **Fundamentals of Communication. 4 hrs.**
Introduction to the nature and importance of written and oral communication in the scientific and technical arenas. Emphasis upon improving information collection, basic technical writing, oral presentations, and group communication skills. (CR: IST 120)
- 111 **Living Systems. 4 hrs.**
Issues of current importance related to growth in human population and the depletion of biological resources, and the remedies that science and technology may provide. Related data analysis and prediction.
- 112 **Chemistry in the Environment. 4 hrs.**
Introduction to the basic concepts of chemical science and atmospheric, organic, and nuclear chemistry. Energy relationships and chemistry of modern materials will also be presented. Related laboratory experiments.
- 120 **Connections I. 2 hrs.**
An introduction to the connections between science, technology, and the ethical, legal, and political arenas that influence the role, nature, and perceptions of science and technology in contemporary society. (CR: IST 101)
- 130 **Analytical Methods I. 4 hrs.**
Discrete mathematics, calculus, and statistics for IST majors. Elementary algebraic and transcendental functions, derivatives, integrals, and series. Modeling, guess, refinement, and technological tools. Applications to the physical sciences.
- 131 **Analytical Methods II. 4 hrs.**
Continuation of IST 130. (PR: IST 130)
- 160 **Instrumentation I. 3 hrs.**
Introduces the students to modern data gathering methods and programming for the Internet. The course covers programming, graphic programming interface packages, and problem solving methods.
- 201 **Advanced Communications. 4 hrs.**
Advanced work in written and oral communications. Emphasis upon critical use of argument, advanced technical writing, multimedia presentations, group discussions, advanced research methods, and adapting messages to various audiences. (PR: IS 101, CR: IST 220)
- 211 **Modern Production. 3 hrs.**
This course introduces the student to manufacturing terminology, automation, and impact of related technologies. Discrete, service, and continuous process manufacturing will be addressed. Chemistry and statistics concepts pertinent to manufacturing. (PR: IST 112)

- 212 Energy. 3 hrs.**
The course introduces the student to the properties and the interfaces of biological and physical systems with emphasis upon energy concepts, production, and distribution in both systems. (PR: IST 211)
- 220 Connections II. 2 hrs.**
Further examination of the nature and impact of science and technology in our contemporary world. Case studies analysis to highlight the controversies surrounding the role of science and technology in society. (PR: IST 120; CR: IST 201)
- 230 Analytical Methods III. 3 hrs.**
Concepts of linear algebra, multi-variable calculus, and differential equations with applications to physical science, information technology, business, economics, classical and modern optics, and audio technology. (PR: IST 131)
- 231 Analytical Methods IV. 3 hrs.**
Continuation of IST 230. (PR: IST 230)
- 260 Instrumentation II. 3 hrs.**
The course introduces students to modern data gathering methods, laboratory instrumentation, and programming. This course is a continuation of IST 160. (PR: IST 160)
- 280-283 Special Topics. 1-4 hrs.**
(PR: Mathematics course above MTH 120 excluding MTH 400 and MTH 401).
- 301 Public Service Experience. 1 hr.**
At least 30 contact hours in a public service/volunteer experience with a group, organization, or agency that offers a service to the general public. (Advisor permission required).
- 320 Nature of Environmental Problems. 3 hrs.**
The effects of human activity on ecological, political, and cultural systems are examined. Particular attention is given to present human population growth, industrial activities, and energy availability. (PR: IST 231 and 260)
- 321 Resolution of Environmental Problems. 3 hrs.**
Students examine case studies of current environmental problems and propose methods of remediation. Cultural, political, economic, as well as ecological and physiographic factors are considered.
- 322 Environmental Assessment: Terrestrial Systems. 4 hrs.**
Use of scientific procedure and current technology to characterize and quantify sensitive elements of terrestrial ecosystems and to assess human impact on those systems. (PR: IST 231 and 260)
- 323 Environmental Assessment: Aquatic Systems. 4 hrs.**
Use of scientific procedures and current technology to characterize and quantify sensitive elements of aquatic ecosystems and to assess human impact on those systems. (PR: IST 231 and 260)
- 330 Knowledge Engineering Fundamentals. 3 hrs.**
The course examines the nature of knowledge and the principles and processes underlying its capture and organization. Technological and industrial applications are employed to develop skills using knowledge management tools. (PR: IST 211 and 230)
- 331 Intelligent Information Systems. 3 hrs.**
Emphasis on automated decision support technology, its use, and construction. Several technologies will be examined in the context of their application for systems modeling by managers and technologists. (PR: IST 330)
- 340 Double Helix: Issues in DNA Technology. 4 hrs.**
The course deals with DNA and genes, the code of life, which we receive from our parents. It tells how humans recently learned about DNA and have started to manipulate it. (PR: IST 111 or equivalent)
- 341 It's All in Your Genes: Issues in Human Genetics. 4 hrs.**
Gene cloning, genetic testing, gene engineering, DNA fingerprinting. What does human heredity hold from the past, and what does it have in store for the future? (PR: IST 111 or equivalent)
- 350 Manufacturing Systems. 3 hrs.**
Various manufacturing systems used within organizations are introduced. Methods of manufacturing are presented along with various technologies employed. Design for manufacturing, material management, quality considerations, etc. are treated. (PR: IST 211)
- 351 Automation in Manufacturing. 3 hrs.**
A study of the methods of automation used in manufacturing. Computer Aided Design (CAD), Computer Assisted Manufacturing (CAM), and Computer Integrated Manufacturing (CIM) are studied including robotics and flexible manufacturing concepts. (PR: IST 350)
- 420 Remote Sensing with GIS Applications. 4 hrs.**
A study of the physical systems for collecting remotely sensed data. Statistical/spatial analysis and modeling using large processing/geographic information/spatial computer software systems with earth resources applications. (PR: IST 231 and 260)

- 421 Digital Image Processing and Computer Simulation Modeling. 4 hrs.**
A study of image processing/geographic information/spatial analysis systems, concurrent and parallel image processing 3-D modeling scenarios utilizing geophysical data for computer simulation modeling. (PR: IST 420)
- 422 Geochemical Systems. 3 hrs.**
Examination of the geological and chemical relationship between geologic structure and water chemistry. Focus on the difference between carbonate and non-carbonate systems and mineral cycles of nitrogen, phosphorus and sulfur.
- 423 Field Sampling and Modeling. 3 hrs.**
Students will utilize current methods to gather data from aquatic and terrestrial systems and use computer interfaces to develop predictive models.
- 424 Environmental Risk Assessment. 3 hrs.**
Environmental risk assessments determine if containment releases pose unacceptable risk to human health and environment. This course will present a broad-based introduction to human health risk assessment for environmental contamination. (PR: IST 231 and 260)
- 425 Impact Assessment Documentation. 3 hrs.**
Use of current concepts in conservation biology to examine the impacts of habitat perturbations on people and species of concern. (PR: IST 231 and 260)
- 430 Electronic Commerce. 3 hrs.**
This course examines electronic commerce with group decision making and collaborative applications through the Internet. Develop applications that retrieve and store information in distributed databases. (PR: IST 231 and 260; CR: IST 432)
- 431 Systems Engineering. 4 hrs.**
Practical aspects of building information systems including engineering methods and managerial issues. Specifically, introduction to software development life cycle, verification and validation of the developed, system, and process maturity model. (PR: IST 231 and 260)
- 432 Database Information Management. 3 hrs.**
To understand the logical and physical design of data stored and retrieved from a relational database. Exposure to distributed databases, database administration and structured query language will also be done. (PR: IST 231 and 260)
- 433 Network Communications. 3 hrs.**
To understand the fundamentals of data communication as it relates to protocols, security, and new technologies. Implement local area network concepts such as designing, maintaining, and managing a computer network. (PR: IST 231 and 260)
- 440 Integrated Genetic Systems. 4 hrs.**
Discusses basic structures and mechanisms of genetic information storage and transmission in all existing systems, from viruses to humans. Provides necessary theoretical background for the understanding of DNA technology. (PR: IST 340 or 341)
- 441 Integrated Metabolic Systems. 4 hrs.**
Discusses basic molecules, processes, and mechanisms responsible for the activity of all living systems, and the methods of their analysis. Provides necessary theoretical background for the understanding of industrial biotechnology. (PR: IST 340 or 341)
- 442 Medical Biotechnology. 3 hrs.**
Discusses modern achievements of medical biotechnology: genetic testing, gene therapy, cloning, new drugs and vaccines produced via engineered organisms. Includes real case studies and media analysis. (PR: IST 440 or 441)
- 443 Industrial Biotechnology. 3 hrs.**
Discusses modern achievements and techniques of industrial (non-medical) biotechnology, such as genetically engineered foods and microbes used in food, chemical, and environmental industries. Includes real case studies and media analysis. (PR: IST 440 or 441)
- 450 Manufacturing Processes. 3 hrs.**
A study of the basic processes used in manufacturing parts such as machining, grinding, casting, and sheet metal fabrication. Methods for producing plastics and composites will also be presented. (PR: IST 211)
- 451 Materials Science in Manufacturing. 3 hrs.**
A study of materials used in the fabrication of products and their physical properties. Stress, strain, thermal and electrical properties, etc., will be studied for metals, plastics, ceramics, and composites. (PR: IST 350)
- 452 Process Capability, Control, and Monitoring. 3 hrs.**
A study of the methodologies used to determine the capabilities of manufacturing operations and processes and the variety of controls that are used to control and monitor them. (PR: IST 350)

- 453 **Design for Manufacturability. 3 hrs.**
A study of the techniques used to simultaneously enhance both design and manufacturing operations. Included in the techniques are CAD/CAM, quality function deployment, Taguchi methods, and value analysis. (PR: IST 351)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: permission)
- 490 **Senior Project I. 3 hrs.**
Senior Capstone Experience. (PR: permission)
- 491 **Senior Project II. 3 hrs.**
Senior Capstone Experience. (PR: permission)
- 495H-496H **Honors in Integrated Science and Technology. 3-4; 3-4 hrs.**

INTEGRATED SCIENCES (ISC)

- 200 **Energy: from photosynthesis to steam engines. 4 hrs.**
Relationships between present and historic levels of energy consumption and human population growth are examined. Issues compare energy use and technology of class members to comparable populations in developing countries. (PR: MTH 121 or higher, except MTH 400 and MTH 401)
- 201 **Biotechnology. 4 hrs.**
Biotechnology explores scientific, political, economic, and ethical aspects of recombinant DNA technology and genetically altered organisms. Class projects include DNA manipulation and analysis, forensic studies, and Internet exploration. (PR: MTH 121 or higher, except MTH 400 and MTH 401)
- 202 **Freshwaters of the World. 4 hrs.**
The course discusses the physics, chemistry, geology, and biology of freshwaters, its importance for all living things, and the need for conservation and pollution-prevention of this invaluable resource. (PR: MTH 121 or higher, except MTH 400 and MTH 401)
- 203 **Doing Science: The Central Paradigms. 4 hrs.**
Students will investigate the nature of science by studying several of its central theories and other issues. Students will gather and interpret evidence and research original and secondary sources. (PR: MTH 121 or higher, except MTH 400 and MTH 401)
- 204 **Global Warming. 4 hrs.**
Model the social, economic, and scientific data using algebra as it relates to global warming. (PR: MTH 121 or higher except MTH 400 or MTH 401)
- 205 **Who-done-it: Introduction to Forensic Science. 4 hrs.**
The relationship between scientific process and crime solutions will be examined. Particular attention will be given to use of DNA technology and probability theory in criminal justice system. (PR: MTH 121 or higher, except MTH 400 and MTH 401)
- 206 **Living in Space.**
A space science courses that explores NASA-directed research. Students will compare "ground-based" investigations in plant science, physics, geology, human behavior and physiology with the results from space flight experiments. (PR MTH 121 or higher, except MTH 400 and MTH 401)
- 207 **Coal Science.**
Examines the importance of coal to industrialized nations and the operation of the John Amos power plant. There is an assessment of the impact of mining activities on the environment. (PR: MTH 121 or higher, except MTH 400 and MTH 401)

JAPANESE (JPN)

- 101 **Elementary Japanese I. 3 hrs.**
Pronunciation, conversation, reading and composition with emphasis on aural/oral development. This includes katakana, hiragana, and Chinese characters, used in context.
- 102 **Elementary Japanese II. 3 hrs.**
Pronunciation, conversation, reading and composition with emphasis on aural/oral development. This includes katakana, hiragana and Chinese characters, used in context. (PR: JPN 101)
- 203 **Intermediate Japanese III. 3 hrs.**
Continuation on the intermediate level of the basic skills: pronunciation, conversation, reading, and composition with emphasis on aural/oral development. More work on katakana, hiragana and Chinese characters, used in context. (PR: JPN 102)
- 204 **Intermediate Japanese IV. 3 hrs.**
Development of practical conversational skills, reading for comprehension, and directed compositions. (PR: JPN 203).

JOURNALISM AND MASS COMMUNICATIONS (JMC)

- 100 Fundamentals of Journalistic Writing and Editing. 3 hrs. I, II.**
Preparatory course designed to develop writing and editing skills specifically as they relate to professional journalistic/mass communications techniques and practices. Required of students scoring less than 77 on school-administered language-skills test. Does not count toward graduation.
- 101 Survey of Journalism and Mass Communications. 3 hrs. I.**
Examines important facets of mass communications, including newspaper, magazine, broadcast journalism, radio-television, advertising, and public relations. Designed to provide a critical overview of the mass media. Includes guest speakers.
- 102 Information Gathering and Research for the Mass Media. 3 hrs. I.**
Information and research techniques used by media professionals, including academic, community and political sources. Course covers interviewing, formal research and computer-assisted information gathering. (PR: JMC 101)
- 201 Writing for the Mass Media. 3 hrs. I, II, S.**
Techniques of journalistic and mass communications writing designed to develop the basic writing skills for the print and broadcast media. (PR: Keyboarding proficiency, JMC 101, and passage of JMC Language Skills Exam or JMC 100 with at least a C)
- 231 Introduction to Audio Production. 3 hrs. II.**
Fundamentals of audio production, including operation of audio equipment, microphone techniques, tape editing and audio production. Laboratory work at WMUL-FM is required. (PR: JMC 101)
- 240 Basic Broadcast News. 3 hrs. I, II.**
Introduction to techniques of radio and television news broadcasting, news room organization and operation, history and ethics of broadcast journalism. (PR: Keyboarding proficiency, JMC 101)
- 241 Graphics of Communication. 3 hrs. I, II, S.**
Creative and practical aspects of typography, layout and design of printed communication. (PR: Keyboarding proficiency)
- 245 Fundamentals of Advertising. 3 hrs. II.**
Organization of mass media advertising departments and their relationships to advertising agencies and media representatives. An examination of the practices and problems of the three areas. (PR: Sophomore standing)
- 272-273 Practice in Radio. 1 hr. I, II, S.**
Staff responsibility on campus broadcast facilities, WMUL-FM. (PR: Written permission before registration and the satisfactory completion of one year of service on WMUL)
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs. I, II, S.**
- 301 Advanced News Reporting. 3 hrs. I, II.**
Practice in gathering and writing news for the newspaper. Emphasis is placed on beat assignment reporting, interviewing techniques, and some specialized reporting. A laboratory class in which students write for The Parthenon, the university student newspaper. (PR: JMC 102, 201)
- 302 Newspaper Editing and Design. 3 hrs. I, II.**
Advanced course in newspaper copy editing, headline writing and design. Laboratory instruction and experience on the university newspaper, The Parthenon. (PR: JMC 241 and 301)
- 304 In-depth Reporting. 3 hrs. I.**
Study and practice of research methods and writing techniques for in-depth reporting on topical issues. (PR: JMC 301)
- 330 Fundamentals of Public Relations. 3 hrs. I, II, S.**
Public relations practices and techniques used by business, educational, industrial, governmental, and social organizations.
- 331 Radio-Television Announcing and Newscasting. 3 hrs. I, II.**
Specialized training in the interpretive skills of announcing and newscasting. (PR: JMC 101)
- 332 Introduction to Video Production. 3 hrs. I, II.**
Introduction to the fundamentals of video production, dealing with cameras, microphones, lighting, staging, field production, editing, post production. (PR: JMC 101)
- 334 Advanced Audio. 3 hrs. I.**
Advanced theory and practice in audio production, with equal emphasis on writing and performance techniques for the documentary, public affairs, feature, and/or dramatic program. Laboratory work at WMUL-FM is required. (PR: JMC 231, JMC 331)
- 350 Television Reporting. 3 hrs. I.**
Practice in compiling, writing, and producing news for broadcasting. (PR: JMC 240, 301 or permission)
- 351 Television News Production. 3 hrs. II.**
Examination of and practice in using skills required by the broadcast journalist; writing, taping, editing and announcing. Class makes use of university broadcast facilities and WPBY-TV as available. Capstone experience (PR: JMC 350)

- 360 Photojournalism I. 3 hrs. I, II, S.**
Methods of taking photographs for newspapers and magazines and picture editing. Laboratory work in developing and printing required. Enrollment limited to 15.
- 372-373 Practice in Radio or Television. 1 or 2 hrs. I, II, S.**
Staff responsibility on campus broadcast facilities WMUL-FM or WPBY-TV. Capstone experience (PR: Written permission before registration)
- 382 Advertising Copywriting. 3 hrs. I**
Practice in obtaining material and writing copy for advertisements in all media. (PR: JMC 221; JMC 245 or MKT 341)
- 383 Advertising Layout and Design. 3 hrs. II.**
Principles and practices in layout and design of advertising for all media. (PR: JMC 241; JMC 245 or MKT 341)
- 385 Advertising Media Planning. 3 hrs. I.**
Planning and practice in allocating advertising budgets in the mass media to effectively reach the target audiences at the most reasonable cost. (PR: JMC 245 or MKT 341)
- 400 Photojournalism II. 3 hrs.**
A course in advanced techniques for newspaper and magazine photography, concentrating on creation, design and use of photo essays and picture stories. (PR: JMC 360 or ART 315)
- 402 Law of Mass Communications. 3 hrs. I, II, S.**
Legal aspects of mass communications as they apply to the professional journalist. (PR: Junior standing)
- 404 History of American Journalism and Mass Communications . 3 hrs. II.**
The development of the press in the United States, the contributions of American journalists, the rise of radio and television, and the relation of communications developments to political, economic and social trends in America.
- 408 Advertising Research. 3 hrs. I.**
Lectures, readings, discussions and projects relating to research used in campaign preparation and syndicated media resources. Students may select areas of special interest.
- 410 Magazine Editorial Practices. 3 hrs. I.**
Study of the organization and functions of the magazine editorial department, with practice in planning magazine content, laying out pages and establishing production procedures. (PR: JMC 241)
- 414 Reporting Public Affairs. 3 hrs. II.**
Instruction in reporting local, state, and federal government; politics, finance, and labor; social and environmental issues and other areas, with emphasis on background and interpretation. Course includes field trips and guest speakers. (PR: JMC 301)
- 425 Advertising Campaigns. 3 hrs. II.**
Students function as an advertising agency to plan, to prepare, and to present local and national advertising campaigns. Problems of the advertiser and the agency are considered. Capstone experience (PR: JMC 382, 383, 385)
- 428 Supervision of School Publications. 3 hrs.**
A comprehensive study of advising and producing school publications, with emphasis on methods for teachers of journalism. (PR: Permission)
- 430 Magazine Article Writing. 3 hrs. I.**
Fundamentals of researching and writing the popular, factual magazine article; techniques of selling articles to magazines (PR: Junior standing)
- 432 Corporate and Instructional Video. 3 hrs. S.**
Development of the use of video communication and instruction in business, agencies, and education. Production and utilization of video units for specific objectives.
- 433 Radio-Television Programming. 3 hrs. II.**
Principles of programming, including audience analysis, production, purchase, and scheduling of various formats. (PR: JMC 101)
- 434 Advanced Video. 3 hrs. II.**
Development of the elements necessary for the production of detailed video projects. Students study the creation and production of public affairs, educational and creative video programming. (PR: JMC 332)
- 435 Radio-Television Law and Regulation. 3 hrs. II.**
Development and current status of the legal structure of broadcasting in the United States. (PR: JMC 101)
- 436 International Communications. 3 hrs.**
Development of various systems of mass communications and comparison with the United States.
- 437 Public Relations Writing. 3 hrs. I.**
Theory and practice of various writing challenges encountered by public relations practitioners. Some consideration of publications design. (PR: JMC 201, 241 and 330)

- 438 **Public Relations Case Studies. 3 hrs. I.**
Examination of the handling of public relations problems and opportunities by business, educational, governmental, and social organizations, with particular emphasis on public relations analysis and problem solving. (PR: JMC 330)
- 439 **Public Relations Campaign Management . 3 hrs. II.**
Applying the four-step public relations process to an organization's program or campaign. Includes execution of public opinion research and development of original communication tools. Competitive agency model generally used. Capstone experience (PR: JMC 437 and 438)
- 440 **Mass Communication Ethics. 3 hrs. I, II, S.**
Study of basic concepts underlying contemporary American mass communications operations and practices and how those concepts affect professional ethics in the field. Examination of ethical conflicts encountered and application of ethical principles when determining solutions. Capstone experience (PR: senior standing)
- 445 **Advertising in Modern Society. 3 hrs.**
An examination of current issues and problems affecting the advertising industry and a study of advertising's impact on and responsibility to society. (PR: Junior standing)
- 450 **Contemporary Issues in Radio and Television. 3 hrs. II.**
An examination of the current political, social, economic and legal issues affecting the decision making process in the newsrooms and programming centers of the electronic media. (PR: Junior standing)
- 455 **Women, Minorities and the Mass Media. 3 hrs. I.**
A seminar that explores the portrayals and participation of women and people of color in the mass media.
- 470 **Professional Practicum. 1-4 hrs. I, II, S.**
Instruction to assist students in meeting career expectations. Short-term courses designed to bridge instructional programs and practices of professional journalism. Students may participate in supervised publications work in reporting, editing and advertising. (PR: JMC 301, 302, or permission of instructor)
- 490 **Journalism and Mass Communications Internship I. 1-3 hrs. I, II, S.**
Supervised journalistic or mass communications work with professional media including newspapers, magazines, radio, television, advertising, and public relations departments and agencies. Conferences with instructor for guidance and evaluation. Advance arrangements must be made through the JMC internship director. Capstone experience.
- 491 **Journalism and Mass Communications Internship II. 1-3 hrs. I, II, S.**
Supervised journalistic or mass communications work with professional media including newspapers, magazines, radio, television, advertising and public relations departments or agencies. Advance arrangements must be made through the JMC internship director. Student must have completed a previous internship. Can't be used in hours required for graduation.
- 495H-496H **Reading for Honors in Journalism and Mass Communications. 4; 4 hrs. I, II.**

LATIN (LAT)

- 101-102 **First Year Latin. 3; 3 hrs. I, II.**
(PR for Latin 102; LAT 101)
- 203-204 **Intermediate Latin. 3; 3 hrs. I, II.**
Varied readings including selections from Cicero's Orations and Vergil's Aeneid I-VI. (PR for Latin 203; LAT 102 or equivalent; PR for Latin 204; LAT 203 or equivalent)
- 240 **Elements of Prose Composition. 3 hrs.**
(PR: LAT 204 or 3 units of high school Latin)
- 280-283 **Special Topics. 1-4; 1-4; 1-4 hrs.**
- 303 **Caesar's Commentaries. 3 hrs.**
A close reading in Latin of the commentaries of Julius Caesar. (PR: Latin 204 or equivalent)
- 304 **Readings in Vergil. 3 hrs.**
Introduction to the poetry of Vergil, especially Vergil's Aeneid, and to the culture and the ideology of the Augustan principate. (PR: Latin 204 or equivalent).
- 305 **Cicero: Speeches. 3 hrs.**
A close reading in Latin of one of the political or court speeches of Cicero. (PR: Latin 204 or permission)
- 306 **Horace: Odes, Epodes, Epistles. 3 hrs.**
- 308 **Catullus. 3 hrs.**
A close reading in Latin of the poetry of Catullus with consideration of its literary antecedents and its importance to Roman Literature. (PR: Latin 204 or permission)

- 309 **Livy's History of Rome. 3 hrs.**
- 311 **Readings in Ovid. 3 hrs.**
Close reading in Latin of selections from Ovid's erotic and epic poetry. (PR: Latin 204 or permission)
- 403 **Roman Comedy. 3 hrs.**
- 404 **Roman Elegy: Propertius and Tibullus. 3 hrs.**
Close readings in Latin of selections from the elegies of Propertius and Tibullus. (PR: Latin 204 or permission)
- 408 **Roman Epistolary Literature: Cicero and Pliny. 3 hrs.**
A unique look at Roman life, public and private, through a close reading in Latin of the correspondence of Cicero and Pliny the Younger. (PR: Latin 204 or permission)
- 409 **Roman Satire: Horace, Martial, Juvenal. 3 hrs.**
Close readings in Latin of selections from the satires of Horace and Juvenal and the epigrams of Martial. (PR: Latin 204 or permission)
- 410 **Tacitus (selections from): Annals, Agricola. 3 hrs.**
- 480-483 **Special Topics in Latin. 1-4; 1-4; 1-4; 1-4 hrs. I, II.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
Non-Latin majors may enroll in Latin Independent Study courses for one hour credit to meet general requirements in literature. For such students instruction and readings will be entirely in English. Consult chairman for current offerings.
- 495H-496H **Honors in Latin. 4; 4 hrs. I, II.**
Open only to Latin majors of outstanding ability. See Honors Courses.
- 499 **Capstone Experience. I, II. 0 hrs.**
A graduation requirement (completion of senior portfolio) required of all seniors in Latin A.B. program enrolled in final required advanced Latin course, LAT 404, 408, 409, 410. (CR: LAT 404, 408, 409, or 410; PR: 15 hrs. Latin above LAT 204)

LEGAL ENVIRONMENT (LE)

- 207 **Legal Environment of Business. 3 hrs.**
Law and the judicial system. The relationship of law, government, ethics and the consumer of business enterprise. The study of contracts, torts, government regulation of business, environmental and consumer protection.
- 308 **Commercial Law. 3 hrs.**
A continuation of Accounting 207. Emphasizes in-depth case study of the law of commercial paper, business organizations, security, and real and personal property. (PR: LE 207)
- 309 **Consumer Protection. 3 hrs.**
An in-depth study of current consumer protection problems facing the consumer and businessman. Emphasis will be placed on current Federal and State statutes including the U.C.C., F.T.C.A., C.C.P.A. and W.V.C.C.P.A. (PR: LE 207)
- 351 **Legal Aspects of Health Care Organizations. 3 hrs.**
A survey of basic legal problems facing a hospital administrator. The study also includes constitutional and administrative law issues dealing with medicaid and medicare and regional planning. (PR: LE 207 and MGT 350)
- 409 **Corporate Process. 3 hrs.**
Review of taxation of business enterprises, private methods of corporate controls regulation of securities, business acquisitions, pricing, compensation plans, relations with employees, administrative agency procedures and business in financial difficulty. (PR: LE 207; FIN 323).

MANAGEMENT (MGT)

- 100 **Introduction to Business. 3 hrs.**
Career exploration and preparation. Emphasis on modern supervisory management techniques in various business fields.
- 150 **Diversity Issues in Business. 3 hrs.**
A study of risks, challenges, and opportunities of attracting and developing a diverse workforce and consumer base.
- 218 **Business Statistics. 3 hrs.**
Application of statistical techniques in business and economics. Topics include measures of central tendency and dispersion, theory of distributions, sampling distributions, estimation, hypotheses testing, correlation and regression analysis. (PR: MTH 123)

- 320 Principles of Management. 3 hrs. I, II, S.**
A comprehensive survey of the fundamental principles of management applicable to all forms of organizations. The course provides the student with a basis for thinking about complex business situations in the framework of analysis of the management process. Some case analysis of management problems used.
- 320H Principles of Management Honors. 4 hrs.**
An accelerated course for specially selected juniors. (PR: ACC 215 and 216; ECN 250 and 253)
- 350 Health Care Organizations and Management. 3 hrs.**
A study of the structure and function of several components of Health Care Organizations and their interrelationships.
- 354 Health Care Services and Facilities Management. 3 hrs.**
A study of planning and organizing of medical services and support departments and buildings, facilities, and equipment management.
- 360 Introduction to Small Business Management. 3 hrs.**
The management of small business emphasizes how they are started and financed, how they produce and market their products and services and how they manage their human resources.
- 418 Statistical Analysis and Survey Design. 3 hrs.**
Methods of constructing designs for survey investigation; methods of estimation, and questionnaire design; nonparametric methods; experimental design; factorial experiment; regression and correlation; multivariate analysis. (PR: MGT 218)
- 419 Business and Society. 3 hrs.**
An examination of the manager's social and environmental responsibilities to his employees, customers, and the general public, and other external factors which management must be cognizant of in modern society.
- 420 Operations Management. 3 hrs.**
Management of operation systems including system design, implementation and control. Analysis of the system in the areas of product, process, material quality, and facilities management. Topics include breakeven analysis, inventory models, transportation models, network analysis. Capstone experience (PR: MGT 218)
- 422 Human Behavior in Organizations. 3 hrs.**
Problems, methods, and analysis of various theories of behavior within organizations for purposes of integration and generalization. Emphasis will be upon the identification and investigation of the schools of thought concerning the behavioral sciences. (PR: MGT 320)
- 423 Organizational Change. 3 hrs.**
An examination of the dynamics of change within organizations. The course will examine the cause of resistance to change and purposeful methodologies for implementing change including behavioral, technological, and structural in an attempt to describe a holistic approach. Capstone Course (PR: MGT 320)
- 424 Personnel Management. 3 hrs.**
A study of basic methodology, organizational structure, and techniques of manpower management involved in recruitment, selection, training, wage and salary administration, and personnel assessment.
- 425 Industrial Relations. 3 hrs.**
A managerial perspective of the relationships between organized labor and management. Topics include: union organization and recognition, collective bargaining processes, grievance procedures, and current trends in labor-management relations.
- 426 Management Science. 3 hrs.**
Quantitative approaches to management decision making. Topics include decision theory, linear programming, transportation and assignment models, inventory systems PERT and CPM network analysis models, queuing theory, simulation and game theory.
- 450 Business Research. 2 hrs.**
Under the direction of an advisor, the student makes a study of a topic related to his field of specialization and submits a written report.
- 454 Trends in Health Care Delivery. 3 hrs.**
Discussion of trends in Health Care Delivery in the United States and related public policies and their implications to society.
- 455 Health Care Policy Seminar. 3 hrs.**
An integrative discussion course on current problems and future policies and strategies as they are related to facilities planning and utilization, staffing and organization and providing quality health care to community. Capstone course (PR: MGT 320, MKT 340, FIN 323, ACC 216, ECN 253, LE 207, MGT 218, Senior Standing)

- 456 Planning of Health Care Delivery Systems. 3 hrs.**
Application of systems approach to evaluation of current health care services and for future planning decisions.
- 460 Strategic Management. 3 hrs.**
The integrative capstone course concerning theory and practice of top managements' plan to attain outcomes consistent with the organization's mission and goals including strategy formulation, implementation and control. Capstone course. (PR: MGT 320, MKT 340, FIN 323, ACC 216, ECN 253, LE 207, MGT 218, Senior Standing)
- 460H Strategic Management Honors. 4 hrs. II.**
An accelerated course for preselected, exceptional seniors majoring in business administration requiring extensive supervised works. Through case analysis and problem-solving, it will integrate the knowledge acquired in previous courses. Capstone course. (PR: MGT 320, MKT 340, FIN 323, ACC 216, ECN 253, LE 207, MGT 218, Senior Standing)
- 461 Management of Small Business. 3 hrs.**
Managing small enterprises, as opposed to large corporations. In cooperation with the Small Business Administration. Students work as trainee management consultants with small businesses in the area.
- 471 Health Care Practicum I. 4 hrs.**
Field experience in management of Health Care Operations. (PR: Permission of Division Head)
- 472 Health Care Practicum II. 4 hrs.**
Field experience in management of Health Care Organizations. (PR: MGT 471)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Study of an advanced topic not normally covered in other courses. Management majors only, with permission of Division Head.
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 490 Internship. 3-12 hrs. C/NC**
A supervised internship in which the student works for a business firm/agency to gain practical experience in the student's major. The program of work and study will be defined in advance and the student's performance will be evaluated. (PR: Permission of Dean)
- 495H-496H Readings for Honors in Management. 2-4; 2-4 hrs.**
Open only to students of outstanding ability. See Honors Courses.

MANAGEMENT INFORMATION SYSTEMS (MIS)

- 207 Introduction to Programming for Business. 3 hrs.**
An introduction to 4GL Programming in a business context for MIS and other business majors.
- 209 Visual Basic II. 3 Hrs.**
Continuation of Visual Basic I, emphasis is on data structures (databases, queues, sorts, link-lists) and programming in a Windows environment. Programming projects will be oriented toward solving real-world business problems. (PR: MIS 207 or CSD 280 or CSD 119 or CT 115)
- 290 Principles of Management Information Systems. 3 hrs.**
To develop and use decision driven information systems. Emphasis on MIS/DDS applications common to business environments. Importance of communicating effectively with professional systems development groups will also be stressed.
- 310 Business System Analysis and Design. 3 hrs.**
The course covers business application systems development, behavioral considerations in the development process, feasibility assessment, requirement analysis, and communication skills. Emphasis on prototyping and fourth generation languages.
- 330 Applied Business System Analysis and Design. 3 hrs.**
This course extends the concepts and techniques in MIS 310 to enable students to design and implement systems in a business environment. The implementation of a computer application will be required. (PR: MIS 310)
- 340 Database Management Systems. 3 hrs.**
A study of database design, data structures, and database administration in a business environment. File processing with multiple databases will also be taught.
- 410 Business Telecommunication Systems. 3 hrs.**
To understand the applications, concepts and management of telecommunications. Students will be exposed to network components and network operations. Emphasis will be on strategic business applications of telecommunication systems.
- 430 Business Decision Support Systems. 3 hrs.**
A study of decision support systems (DSS) in terms of building and providing end-user support for managerial decision making. Advanced topics will include computer interface design and artificial intelligence.

- 440 **Business Systems Development Project. 3 hrs.**
Continuation of the techniques and concepts learned in MIS 330 and MIS 340 courses. Students will be required to design, develop, and implement an information system. (PR: MIS 209 and MIS 310 and MIS 340)
- 441 **Strategic Management Information Systems. 3 hrs.**
A capstone course for management majors. Emphasis will be on creating and using information systems to give businesses a competitive advantage and provide strategic support for all levels of management. Capstone course (PR: Senior Standing)
- 480-483 **Special Topics. 1-4; 1-4; 1-4. 1-4 hrs.**
Study of an advanced topic not normally covered in other courses. Management Information Systems majors only, with permission of division head.
- 485-488 **Independent Study. 1-4; 1-4; 1-4. 1-4 hrs.**
- 490 **Internship. 3-12 hrs. CR/NC**
A supervised internship in which the student works for a business firm/agency to gain practical experience in the student's major. The program of work and study will be defined in advance and the student's performance will be evaluated. (PR: Permission of dean.)

MARKETING (MKT)

- 231 **Principles of Selling. 3 hrs.**
Elements of successful techniques and salesmanship designed for individuals who must influence or persuade, actuate, or lead other individuals now or in the future.
- 340 **Principles of Marketing. 3 hrs.**
Institutions, channels of distribution, functions, federal regulation, and economics of marketing.
- 341 **Advertising Management. 3 hrs.**
A managerial analysis of the principles and practices of advertising from the viewpoints of the consumer, the firm, the industry, and the economy. Special emphasis is given advertising in relation to its role in the marketing mix. (PR: MKT 340)
- 344 **Retail Management. 3 hrs.**
Management of retail establishments including successful retail merchandising, stock control, buying, pricing, marketing, advertising, promotion, displaying, credit, and selling of goods and/or services. (PR: MKT 340)
- 349 **Principles of Domestic Transportation. 3 hrs. I.**
Introduction to the history, economics, and regulation of U.S. domestic motor, rail, water, air and pipeline transportation. Particular emphasis is placed upon the significance of transportation to the development of the United States and today's economy.
- 350 **Physical Distribution. 3 hrs.**
Introduction to the activities concerned with the efficient movement of products from the source of raw materials supply, through production to the ultimate consumer. These activities include procurement, inventory control, materials handling, transportation, order processing, site determination, warehousing and customer service.
- 351 **Traffic Management. 3 hrs.**
Concerned primarily with the function of buying transportation service. Includes the mechanics of transportation pricing and detailed coverage of services legally includable in the price.
- 371 **International Marketing. 3 hrs.**
Designed to be a student's first exposure to foreign commerce and marketing in particular. Stresses cultural/environmental aspects and the integration of the regular foreign markets in strategic market planning. (PR: MKT 340)
- 414 **Purchasing and Inventory Control. 3 hrs.**
In-depth analysis of procurement function, problems and techniques. Maintenance of proper inventory level, ordering methods, and product management at both the retail and industrial levels.
- 437 **Consumer Behavior. 3 hrs.**
Acquaints the student with individual and group behavior as it pertains to consumer activity. Theories and findings in the behavioral sciences, as well as those set forth by marketing scholars, are examined so as to understand the behavioral patterns of consumers. Cultural, social, and psychological influences are considered, in addition to the traditional economic interpretations. The stress of the course is on incorporating these data into the managing of the marketing effort.
- 440 **Sales Management. 3 hrs.**
Policies and procedures pertaining to product planning and pricing, choice of market, planning sales effort, and the control of sales operations. (PR: MKT 340)
- 442 **Market Research. 3 hrs.**
Scope and importance of market and distribution research; product, package, brand analysis and social impact; consumer, industrial and institutional survey; quantitative and qualitative analysis of market data; situation analysis, sampling, tabulation and presentation methods. (PR: MKT 340)

- 449 Transportation Law and Public Policy. 3 hrs.**
Comprehensive review of the regulation of carriers and transportation in general. Comparison of the principal transportation regulatory acts, functions of the procedure before the several regulatory commissions.
- 450 Carrier Management. 3 hrs.**
Management of transportation carriers including the unique constraints faced by such firms due to the regulatory system, transportation competition, route structures, ownership patterns, pricing and rate making.
- 465 Marketing Management. 3 hrs.**
Capstone integrated study of marketing for decision making. Emphasis on the application of marketing principles and concepts for the purpose of developing, analyzing and modifying marketing plans and strategy. Capstone course. (PR: MKT 340)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Study of an advanced topic not normally covered in other courses. Marketing majors only, with permission of division head.
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 490 Internship. 3-12 hrs. CR/NC**
A supervised internship in which the student works for a business firm/agency to gain practical experience in the student's major. The program of work and study will be defined in advance and the student's performance will be evaluated. This course may not be used as a marketing elective. (PR: Permission of Dean)
- 495H-496H Readings for Honors in Marketing. 2-4; 2-4 hrs.**
Open only to students of outstanding ability. See Honors Courses.

MARKETING EDUCATION (MKE)

- 265 Introduction to Marketing Education. 3 hrs. I.**
The course is planned to give prospective Marketing Education Teacher-Coordinators an overview of the Marketing Education Program: its history and development, its mission, premises, and objectives, and activities of a Marketing Education program and requirements for persons employed in this field.
- 280-283 Special Topics. 1-4 hrs.**
- 301 Curriculum Marketing Education. 3 hrs. I.**
A study of the structure of occupations for the purpose of developing competencies in career development and curriculum development. Students will analyze marketing jobs in terms of specific and related job duties and competencies and will investigate career continuums.
- 460-463 Professional Development. 1-4 hrs. I, II, S.**
Courses and activities designed to meet specific inservice needs of public school personnel. Credit may be used for certificate renewal and salary upgrading if approved, but not in degree programs. Identifying course titles will vary. CR/NC grading.
- 480-483 Special Topics. 1-4 hrs.**
- 485-488 Independent Study. 1-4 hrs.**

MATHEMATICS (MTH)

- 121 Concepts and Applications of Mathematics. 3 hrs.**
A course for non-majors that develops quantitative reasoning skills. Topics include logical thinking, problem solving strategies, linear modeling, beginning statistics and probability, exponential and logarithmic modeling, financial and geometry concepts. (PR: MAT 097 or Math ACT 19 or above)
- 122 Plane Trigonometry. 3 hrs. I, II, S.**
A study of the trigonometric functions, graphs of the trigonometric functions, identities, equations, inverse trigonometric functions, vectors, complex numbers, and applications. (PR or CR: MTH 127 or 123 or at least 21 on Mathematics ACT)
- 123 Selected Topics in College Algebra. 3 hrs.**
Solve equations and inequalities, solve systems of linear equations, study of functions (including exponential and logarithmic functions), matrices, basic probability and statistics. Applications mostly in business and economics. (PR: MAT 097 or equivalent, or Mathematics ACT at least 19)
- 127 College Algebra - Expanded Version. 5 hrs.**
A brief but careful review of the main techniques of algebra. Polynomial, rational, exponential, and logarithmic functions. Graphs, systems of equations and inequalities, sequences. (PR: MAT 097 or Math ACT 19 or 20)
- 130 College Algebra. 3 hrs. I, II, S.**
Polynomial, rational, exponential, and logarithmic functions. Graphs, systems of equations and inequalities, sequences. (PR: MTH 123 or at least 21 on Math ACT)

- 132 Precalculus with Science Applications. 5 hrs.**
Polynomial, rational, exponential, logarithmic, and trigonometric functions. Graphs, vectors, systems of equations and inequalities, sequences. (PR: MTH 123 or at least 21 on Math ACT)
- 140 Applied Calculus. 3 hrs. I, II, S.**
A brief survey of calculus including both differentiation and integration with applications. Not to be substituted for Mathematics 229 or Mathematics 190. (PR: Two years of high school algebra and at least 21 on ACT, or MTH 123)
- 203 Calculus for Business. 3 hrs.**
Fundamental aspects of calculus are covered with applications in business and economics. The topics covered include limits, differentiation, integration, and some multivariable calculus. (PR: MTH 123 or equivalent, or MTH ACT at least 27)
- 225 Introductory Statistics. 3 hrs. I, II, S.**
Basic probability, descriptive statistics, fundamental statistical inference procedures involving estimation and hypothesis testing for a variety of situations with wide applications. (PR: Two years of high school algebra, or MTH 123 or higher)
- 229 Calculus with Analytic Geometry I. 5 hrs. I, II, S.**
An introduction to analytic geometry. Limits, derivatives, and integrals of the elementary functions of one variable, including the transcendental functions. (PR: MTH ACT of 27 or above, or MTH 130 and 122, or MTH 127 and 122, or MTH 132)
- 230 Calculus with Analytic Geometry II. 4 hrs. I, II, S.**
Applications of the integral, techniques of integration, and infinite series. A study of conic sections, polar coordinates, and parametric equations. (PR: MTH 229)
- 231 Calculus with Analytic Geometry III. 4 hrs. I, II.**
Vectors, curves, and surfaces in space. Derivatives and integrals of functions of more than one variable. A study of the calculus of vector valued functions. (PR: MTH 230)
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of the chairman)
- 300 Introduction to Higher Mathematics. 3 hrs.**
A transition between elementary calculus and higher mathematics with emphasis on techniques of proof. (PR: MTH 230)
- 301 Junior Seminar. 1 hr.**
An introduction to reading, writing and speaking mathematics. Students will explore topics related to a theme chosen by the instructor.
- 330 Linear Algebra. 3 hrs.**
Vector spaces, matrices and determinants, systems of linear equations, linear transformations, eigenvalues, eigenvectors, and applications. (PR: At least one course above MTH 121 or at least 28 on Mathematics ACT)
- 335 Differential Equations. 3 hrs.**
First and second-order ordinary differential equations. Applications include vibrations and electrical circuits. Laplace transform, approximate solutions, orthogonal functions, Fourier series; partial differential equations including heat, wave, and Laplace equations. (PR: MTH 231 or permission of instructor)
- 340 Discrete Structures. 3 hrs.**
Sets, relations, directed and undirected graphs, monoids, groups, lattices, Boolean algebra, and propositional logic. (PR: MTH 230 or permission)
- 400 Structure of Algebra. 3 hrs.**
Informal development of modern elementary algebra. Recommended for pre-service middle school teachers and for elementary and secondary in-service teachers. May not be used for either a 5-12 mathematics specialization or for any degree offered by the Mathematics Department. (PR: MTH 130 or equivalent)
- 401 Structure of Modern Geometry. 3 hrs.**
Informal development of geometry with an exploration of probability and statistics. Recommended for pre-service middle school teachers and for elementary and secondary in-service teachers. May not be used for either a 5-12 mathematics specialization or for a degree offered by the Mathematics Department. (PR: MTH 130 or equivalent)
- 411 Mathematical Modeling. 3 hrs.**
Students work in teams to construct mathematical models of various real-world situations. Problems to be modeled are drawn from diverse areas of application and use a wide range of undergraduate mathematics. (PR: MTH 231, or MTH 230 and permission of instructor)
- 415 Applied Mathematics-Boundary Value Problems. 3 hrs.**
Theory of systems of ordinary differential equations of first order. Theory of homogeneous and non-homogeneous boundary value problems. (PR: MTH 330 and 335, or permission)

- 427 **Advanced Calculus. I 3 hrs., I.**
A rigorous study of the real number system, continuity and differentiability of functions of a single variable, integration of functions of a single variable, infinite series. (PR: MTH 231 and 300, REC: MTH 330)
- 428 **Advanced Calculus II. 3 hrs. II.**
A rigorous development of algebra and topology of Euclidean spaces, differentiability and integrability of functions of several variables. (PR: MTH 427)
- 442 **Numerical Linear Algebra. 3 hrs.**
Direct and iterative methods for numerical solution of linear systems of equations. Eigenvalues and eigenvectors. Error Analysis and norms. Related topics. (PR: MTH 330)
- 443 **Numerical Analysis. 3 hrs.**
The theory and technique of numerical computation involving the difference calculus, the summation calculus, interpolation methods, solution of systems of equations, and numerical differentiation and integration. (PR: MTH 230)
- 445-446 **Theory of Statistics. 3; 3 hrs. I, II.**
Probability spaces, conditional probability, and applications. Random variables, distributions, expectation, and moments. Statistical inference: estimation of parameters, tests of hypotheses. Regression, analysis of variance. (PR: MTH 230 for 445, MTH 445 for 446)
- 448 **Fundamental Concepts of Modern Geometry. 3 hrs.**
Finite geometries, basic background material for the modern development of Euclidean Geometry, other geometries. (PR: MTH 230)
- 449 **Projective Geometry. 3 hrs.**
Projective geometry using both synthetic and algebraic methods. (PR: MTH 230)
- 450 **Modern Algebra. 3 hrs. I.**
Structure of the abstract mathematical systems: fields, rings, groups, with illustrations and applications from number theory. (PR: MTH 230 ; REC: MTH 300)
- 480-483 **Special Topics in Mathematics. 1-4; 1-4; 1-4; 1-4 hrs.**
Courses on special topics not listed among the current offerings. (PR: Permission of the Chairman of the Department of Mathematics and permission of instructor)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 491 **Senior Seminar. 3 hrs.**
Capstone experience in reading, doing, writing and speaking mathematics. Students will explore topics related to a theme chosen by the instructor. (PR: Junior Seminar, plus any two of: MTH 427, 445, 450)
- 495H-496H **Readings for Honors in Mathematics. 2-4; 2-4 hrs.**
Open only to mathematics majors of outstanding ability. (PR: Consent of department chairman. See Honors Courses)

MEDICAL LABORATORY TECHNICAL (See Clinical Laboratory Sciences)

MEDICAL TECHNOLOGY (See Clinical Laboratory Sciences)

MILITARY SCIENCE (MS)

- 101 **Introduction to ROTC. 2 hrs. I, II, S.**
Increase self-confidence through team study and activities in physical fitness, land navigation, first aid, and basic drill. Learn fundamental concepts of leadership in both classroom and outdoor laboratory environments. (CR: MS 101L)
- 101L-102L **Military Science Basic Course Leadership Laboratory I. 1 hr.**
Learn and practice basic soldier skills and field craft. Build self-confidence and team building leadership skills through activities in drill, repelling and basic marksmanship that can be applied throughout life. (CR: MS 101 and 102)
- 102 **Introduction to Leadership. 2 hrs.**
Learn/apply principles of effective leading. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to effectiveness of a leader. (CR: MS 102L, PR: MS 101 or departmental permission)
- 201 **Self and Team Development.**
Learn ethics-based leadership skills that develop individual abilities and contribute to team building. Develop skills in communications, event planning, group coordination, advanced first aid, land navigation and basic tactics. (CR: 201L, PR: MS 102 or departmental permission)

- 202 Individual and Team Military Tactics. 2 hrs. I, II, S.**
Introduction to individual and team military tactics in squad operations. Includes: communications, safety assessments, movement techniques, planning for safety/security, training management, and methods of preoperational checks. (CR: MS 202L, PR: MS 201 or departmental permission)
- 201L-202L Leadership Laboratory II. 1 hr.**
Practice and refine the basic soldier skills and field craft learned in MS 101L/102L. Build self-confidence and team-building skills through leadership opportunities supervising MS101L/MS102L cadets. CR: MS 201 and 202)
- 209 Nursing in the Army. 2 hrs. I, II.**
An overview of aspects, career opportunities and progression for Army nurses. Instruction will provide insights of the ROTC program for nurses.
- 211 Ranger Operations and Techniques. 2 hrs. I, II.**
Provides an overview of U.S. Army Ranger history, organization, and mission. Small unit tactics, leadership, patrolling techniques, marksmanship, repelling, and land navigation.
- 216 Application of Marksmanship Fundamentals. 2 hrs. I, II, S.**
Teaches the fundamentals of rifle marksmanship in a competitive environment through the use of competition grade air rifles. Students learn shooting techniques, safety, range operations and competitive shooting skills.
- 220 Military Leadership. 2 hrs. I, II, S.**
An examination of successful leadership traits, styles, and techniques as they relate to the development of effective military organizations.
- 221 Army Physical Readiness Program. 1 hr. I, II, S.**
A complete physical training program concentrating on cardiorespiratory, strength and endurance exercises; designed to improve total fitness through a slow and flexible progression.
- 251 Camp Challenge. 6 hrs. S.**
This course is six-week camp consisting primarily of applicatory training conducted during the summer at Fort Knox, Kentucky. It is designed to replace the first two years of on-campus ROTC training. Students who successfully complete the course are eligible to enter advanced military science training with departmental permission.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 301 Leading Small Organizations I. 3 hrs. I, II.**
Uses small unit defensive tactics and opportunities to plan and conduct training. Practical opportunities to lead small groups, receive personal assessments/encouragement, and lead in situations of increasing complexity. (CR: MS 301L, PR: MS 101, 102, 201 and 202 or MS 251 or department permission)
- 301L-302L Advanced Course Leadership Lab III. I; I hr. I, II.**
Students develop, practice and refine leadership skills by serving and being evaluated in a variety of leadership positions. Students are responsible for the planning, coordination, execution and evaluation of training. (PR: MS 301/302)
- 302 Leading Small Organizations II. 3 hrs.**
Analyze tasks; prepare written/oral guidance; delegate, and supervise. Plan for and adapt to the unexpected under stress. Examine and apply lessons from leadership cases studies, study ethical decision making. (PR: MS 301/ 301L; CR: MS 301L,
- 351 ROTC Advanced Camp. 6 hrs. (non-resident) S.**
A five-week camp at an active army post; it is highly structured and demanding, stressing leadership at small unit levels under varying, challenging conditions. Individuals are evaluated throughout camp. (PR: MS 302)
- 401 Leadership Challenges and Goal-Setting. 3 hrs.**
Articulate goals, plan, conduct, and evaluate activities of the ROTC cadet organization. Assess organizational cohesion and develop improvement strategies. Develop confidence in leadership skills and manage resources. (PR: MS 302; CR: MS 401L)
- 401L-402L Advance Course Leadership Lab IV.**
Students develop, practice and refine leadership skills by serving a variety of leadership positions. Students are responsible for the planning, coordination, execution and evaluation of training for students enrolled in MS 101L-MS 302L. (CR: MS 401, 402)
- 402 Transition to Lieutenant.**
Identify/resolve ethical dilemmas. Refine counseling/motivating techniques. Examine aspects of tradition and law as relating to an Army officer. Prepare for a future as a successful Army lieutenant. (PR: MS 401/401L; CR: MS 402L)
- 480-483 Special Topics. 1-4; 1-4; 1-4 hrs.**
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of department Chairman)

MINE SAFETY (MSF)

- 397 Mining and Industrial Hygiene Sciences. 3 hrs. I or II.**
Algebra, chemistry, human anatomy and physiology as applicable to Industrial Hygiene calculations; hazards encountered and physiological systems affected. (PR: CHM 212 or equivalent)
- 410 Survey of Mining. 3 hrs.**
An overview of mining to provide the participant with a general understanding of mining history, development systems terminology, procedures, methods, and safety and health activities.
- 411 Mine Safety Program Analysis. 3 hrs.**
This course prepares the participant for the effective analysis of safety programs and provides some specific applications in the mining environment.
- 412 Mine Safety and Health Legislation. 3 hrs.**
A survey of the legislation that has affected safety and health in mining with special emphasis of the Federal Mine Safety and Health Act of 1977.
- 413 Mine Safety and Health Management. 3 hrs.**
This course covers the principles, functions and philosophies of mine management.
- 414 Hazards Control in Mining. 3 hrs.**
A study of how to recognize accident potential throughout the mining industry.
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
A study of special topics not offered in regularly scheduled courses.
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 491-494 Workshop (Selected Topics). 1-4; 1-4; 1-4; 1-4 hrs.**

MUSIC (MUS)

- 100 Applied Music Laboratory. 0 hrs. I, II.**
A forum devoted to the development of applied music area, supplying the opportunity for music majors both to demonstrate performance skills and to observe the skills of colleagues.
- 101 Basic Musicianship. 3 hrs. I.**
- 115-116 Elementary Music Theory. 4 hrs. each. I, II.**
A thorough study of the melodic, harmonic and rhythmic elements of music through writing, playing, singing and listening. Includes triads, modulation, seventh chords, sight-singing, melodic and harmonic dictation. (MUS 115 is PR for 116)
- 121 Aural Perception of Music Literature. 2 hrs. I.**
Development of aural skills in perceiving timbre, texture, rhythm, meter, linear organization, harmonic organization, and form through listening to selected works and study of their scores.
- 142 Appreciation of Music. 3 hrs. I, II, S.**
Development of an appreciation and understanding of music as a fine art, including experiences from a variety of sources drawn from many layers of cultures and civilizations. For non-music majors.
- 177 a,b Class Guitar. 1; 1 hr. I, II.**
Classes for guitar majors and elective students. (PR: Permission)
- 178 a,b Class Voice. 1; 1 hr. I, II.**
Classes for voice minors and electives designed for beginners. (PR: Permission)
- 179 a,b,c,d Class Piano. 1; 1; 1; 1 hr.**
Classes for piano minors and electives progressing from beginner to proficiency level. (PR: Permission)
- 181a,b,c,d-381a,b,c,d Applied Music. Saxophone .1-2; 1-2 hrs. I,II.**
- 182a,b,c,d-382a,b,c,d Applied Music. Flute .1-2; 1-2 hrs. I,II.**
- 183a,b,c,d-383a,b,c,d Applied Music. Oboe .1-2; 1-2 hrs. I,II.**
- 184a,b,c,d-384a,b,c,d Applied Music. Clarinet .1-2; 1-2 hrs. I,II.**
- 185a,b,c,d-385a,b,c,d Applied Music. Bassoon .1-2; 1-2 hrs. I,II.**
- 186a,b,c,d-386a,b,c,d Applied Music. French Horn .1-2; 1-2 hrs. I,II.**
- 187a,b,c,d-387a,b,c,d Applied Music. Trumpet .1-2; 1-2 hrs. I,II.**
- 188a,b,c,d-388a,b,c,d Applied Music. Trombone .1-2; 1-2 hrs. I,II.**
- 189a,b,c,d-389a,b,c,d Applied Music. Baritone .1-2; 1-2 hrs. I,II.**
- 190a,b,c,d-390a,b,c,d Applied Music. Tuba .1-2; 1-2 hrs. I,II.**
- 191a,b,c,d-391a,b,c,d Applied Music. Violin .1-2; 1-2 hrs. I,II.**
- 192a,b,c,d-392a,b,c,d Applied Music. Viola .1-2; 1-2 hrs. I,II.**
- 193a,b,c,d-393a,b,c,d Applied Music. Cello .1-2; 1-2 hrs. I,II.**
- 194a,b,c,d-394a,b,c,d Applied Music. String Bass .1-2; 1-2 hrs. I,II.**
- 195a,b,c,d-395a,b,c,d Applied Music. Piano .1-2; 1-2 hrs. I,II.**
- 196a,b,c,d-396a,b,c,d Applied Music. Voice .1-2; 1-2 hrs. I,II.**
- 197a,b,c,d-397a,b,c,d Applied Music. Organ .1-2; 1-2 hrs. I,II.**

198a,b,c,d-398a,b,c,d **Applied Music. Percussion . 1-2; 1-2 hrs. I,II.**

199a,b,c,d-399a,b,c,d **Applied Music. Guitar . 1-2; 1-2 hrs. I,II.**

Course descriptions and standards of performance are available in the Office of the Chairman.

- 203-403 Choral Union. 1; 1 hr. I, II.**
Large choral ensemble available to university and regional singers without audition. Gives public performances of oratorios and works for chorus and orchestra twice a year. One rehearsal per week.
- 204-404 Marshall University Chorus. 1; 1 hr. I, II.**
A mixed chorus of 60-90 singers open to all university students without audition. Public performances of a variety of music are given each semester. Three rehearsals per week.
- 206-406 Opera Workshop. 1; 1 hr. I, II.**
Preparation and performance of opera scenes and full operas. Membership open to students as singers, pianists, and technical personnel. Roles assigned by audition. Two rehearsals per week plus private coaching. (PR: Audition with Director)
- 207-407 Marshall University Chamber Choir. 1; 1 hr. I, II.**
Advanced, auditioned choral ensemble open to all university students. Repertoire performed locally and on tour includes great chamber literature of the past five centuries. Three rehearsals per week.
- 208-408 Orchestra. 1; 1 hr. I, II.**
The Marshall Community Orchestra is open to all university students, faculty, and interested musicians in the community with permission of the instructor. Concerts are presented each semester. (PR: Audition with Director)
- 210 Introduction to Electronic Music. 2 hrs.**
A nontechnical introduction to the theory, practice and literature of electronic music. Open to non-music majors.
- 215-216 Advanced Music Theory. 4 hrs. each. I, II.**
Advanced modulation, chromatic harmony and advanced melodic and harmonic dictation, sight singing. Homophonic forms and 20th century concepts are introduced. (MUS 116 is PR for 215; MUS 215 is PR for 216)
- 222 Italian and English Diction for Singers. 2 hrs.**
A systematic study of the pronunciation and problems encountered by singers when performing repertoire with English and Italian texts.
- 224 French and German Diction for Singers. 2 hrs.**
A systematic study of the pronunciation and problems encountered by singers when performing repertoire with French and German texts. (PR: MUS 222)
- 242 Music Skills for Classroom Teachers. 2 hrs. I, II, S.**
Development of fundamental music skills used in reading and teaching music at the elementary school level. PR: MUS 142 and junior standing)
- 250 Survey of Jazz. 3 hrs.**
A survey of the development of jazz and related forms from the 19th century antecedents to recent experimental trends.
- 252-452 Cello Ensemble.**
Cello students will rehearse and perform works from the major literature for cello ensemble.
- 253 Guitar Ensemble. 1 hr.**
An ensemble elective for guitar majors and qualified guitar elective students that focuses on sight reading skills, ensemble accuracy and position playing.
- 254-454 Flute Ensemble. 1; 1 hr. I, II.**
Performs a wide variety of musical styles from full flute choir to quartets, trios, etc. Membership required of all flute majors; others by audition. One rehearsal per week.
- 255-455 String Ensemble. I; 1 hr. I, II.**
(PR: Audition with Director)
- 256-456 Woodwind Ensemble. I; 1 hr. I, II.**
(PR: Audition with Director)
- 257-457 Percussion Ensemble. 1; 1 hr. I, II.**
(PR: Audition with Director)
- 258-458 Brass Ensemble. 1; 1 hr. I, II.**
(PR: Audition with Director)
- 259-459 Jazz Ensemble. 1; 1 hr. I, II.**
(PR: Audition with Director)
- 261 String Techniques. 1 hr. I, II.**
- 262 Woodwind Techniques. 1 hr. I, II.**
- 263 Brass Techniques. 1 hr. I, II.**
- 264 Percussion Techniques. 1 hr. I, II.**
- 265-465 Symphonic Band. 1 hr. I, II.**
(PR: Audition with Director)

- 266-466 **Marching Band. I; 1 hr. I.**
(PR: Audition with Director)
- 267-467 **Wind Symphony. 1; 1 hr. I, II.**
(PR: Audition with Director)
- 268-468 **Pep Band. 1; 1 hr. II.**
(PR: Audition with Director)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
301 **Analysis. 2 hrs. I.**
The study of small and large forms: song form, minuet, variation, fugue, rondo, sonata, etc. Recognition of various forms by ear and by sight. (PR: MUS 216)
- 302 **Advanced Analysis. 2 hrs. II.**
A study of larger musical forms and contemporary applications of older forms. Recognition of these forms by sight and sound. (PR: MUS 301)
- 304 **Styles. 2 hrs. I.**
An investigation of the distinguishing characteristics of the music of major composers by the study, dissection and comparison of major works. (PR: MUS 302)
- 312-313 **Vocal Techniques. 1; 1 hr. I, II.**
Foundation principles of voice usage, interpretation, and problems of vocal pedagogy. For instrumental music major students. Courses must be taken in sequence. (PR: MUS 312 for 313)
- 315 **Instrumental Conducting. 2 hrs. I.**
Techniques and mechanics of the baton with emphasis on securing attacks, releases, dynamics, and tempo changes. Analysis of band and orchestral scores with practical application. (PR: MUS 216)
- 320 **Instrumental Arranging. 2 hrs. I.**
The study of the instruments of the modern orchestra, their history, technical possibilities and limitations, and practical application of technique in public school work. (PR: MUS 216)
- 321 **Choral Arranging. 2 hrs. I, II.**
Score writing and arranging for vocal ensembles of two to eight parts. (PR: MUS 216)
- 322 **Orchestration. 3 hrs.**
A detailed study of band and orchestral instrument capabilities and their use in various large and small ensembles to develop comprehensive scoring technique. (PR: MUS 216, MUS 320)
- 338 **Music Education: Materials and Methods in School Music (PreK-4). 3 hrs. I.**
Elementary music education techniques, including movement, song, dance, rhythm, and musicianship. Study of Orff, Kodaly, Dalcroze techniques. Curriculum design and incorporation of music curriculum into elementary curriculum. Field experience required. (PR: EDF 218, 319)
- 339 **Music Education: Materials and Methods in Instrumental Music (Grades 5-12). 3 hrs. II.**
Intensive study of materials and methods of instrumental music in middle and secondary grades. Curriculum design and incorporation of music curriculum into general curriculum. Field experience required. (PR: EDF 218, 319)
- 340 **Music Education: Materials and Methods in Choral and General Music (Grades 5-12). 3 hrs. II.**
Intensive study of vocal/choral materials. Methods of presentation of music in middle and secondary grades. Curriculum design and incorporation of music curriculum into general curriculum. Field experience required. (PR: EDF 218, 319)
- 342 **Music Materials and Procedures. 3 hrs. I, II, S.**
Materials and procedures for teaching music in nursery school, kindergarten and grades K-6. (PR: MUS 142 or 175 and 242 or 303)
- 401 **Research in Music. 3 hrs.**
Basic research procedures and bibliography study culminating in a project in the student's area of specialization. (PR: Permission of instructor and MUS 216)
- 410 **Introduction to World Music. 3 hrs.**
This course will survey native musics of Africa, Asia, and the Americas as an aspect of culture. No formal background in music is required, as students will learn techniques for listening and articulating responses to music. (PR: Sophomore standing or above)
- 415 **Choral Conducting. 2 hrs. I.**
Continuation of Music 315 with emphasis on interpretations, voice classification, intonation, choral repertoire, and program building. Opportunity for practical experience is provided by the various college choral organizations. (PR: MUS 216)
- 422 **History and Literature of Music. 2 hrs. I.**
From Medieval through Baroque periods, including form and texture in music, study of major works, listening to music, project reports. Designed for music majors (PR: MUS 121)
- 423 **History and Literature of Music. 3 hrs. II.**
Classical and Romantic periods, including form and texture in music, study of major works, listening to music, project reports. Designed for music majors. (PR: MUS 422)

- 425 **Music of the Twentieth Century. 2 hrs. I.**
Study of the major schools and developments in all aspects of twentieth-century music through reading, analysis, listening, and project reports. Designed for music majors (PR: MUS 216, 422, 423)
- 428 **Song Literature. 2 hrs.**
A discussion of the development of the art song in western civilization. Study of song literature including texts, accompaniments, interpretation, and program building. For singers and accompanists. (PR: Sophomore hearing or permission of instructor)
- 429 **Vocal Pedagogy. 2 hrs.**
Review of materials, concepts, and methodology used in teaching singing; overview of anatomy and function of the voice. Emphasis on beginning and intermediate levels.
- 430 **Composition. 2 hrs.**
Experience in writing music compositions in various forms. (PR: MUS 216 and 301)
- 431 **Advanced Composition I. 3 hrs.**
Experience in writing musical compositions in various forms to develop skill in twentieth-century compositional techniques. (PR: MUS 430)
- 432 **Electronic Music Composition. 2 hrs.**
The theory and practice of the use of electronic mediums of composition. Synthesizer and tape recording techniques will be emphasized. Primarily for music majors. (PR: MUS 216)
- 433 **Advanced Composition II. 3 hrs.**
Experience in writing musical compositions in larger forms using twentieth-century compositional techniques. (PR: MUS 431)
- 440 **Piano Teaching Techniques and Materials. 2 hrs. S.**
Materials and techniques of presentation; development of reading skills; basic fundamentals of technique; cultivation of musicianship. Emphasis is on elementary and intermediate levels.
- 441 **Piano Literature I. 2 hrs.**
Investigation of the historical significance, stylistic and technical aspects, and performance problems in solo keyboard repertoire from J.S. Bach to Schubert. (PR: MUS 216 and 4 semesters advanced applied piano or equivalent)
- 442 **Piano Literature II. 2 hrs.**
Investigation of the historical significance, stylistic and technical aspects, and performance problems in solo keyboard repertoire from Chopin to the present. (PR: MUS 216 and 4 semesters advanced applied piano.)
- 450 **Guitar Literature.**
A survey of the literature for guitar from c. 1400 to the twentieth century.
- 451 **Guitar Pedagogy.**
A survey of guitar pedagogy literature, and a practicum in teaching classical guitar.
- 453 **Guitar Ensemble. 1 hr.**
An ensemble elective for guitar majors and qualified guitar elective students that focuses on sight reading skills, ensemble accuracy and position playing.
- 470 **Music Production Practicum. 1 hr.**
Application of musical production processes, theories, and techniques. Specialized practical experience in all music aspects of rehearsal and performance.
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 491-494 **Workshops. 1-4; 1-4; 1-4; 1-4 hrs.**
- 498 **BFA Composition Capstone. 2 hrs.**
A discipline-based experience designed to combine classroom and studio education in a summarizing project. (PR: MUS 401, 302 and 304)
- 499 **BFA Performance Capstone. 2 hrs.**
A discipline-based experience designed to combine classroom and studio education in a summarizing project. (PR: MUS 401, 302 and 304)

NURSING (NUR)

- 120 **Introduction to Nursing. 8 hrs. 6 theory-2 clinical. (ASN only)**
Introduce the nursing role and use of the nursing process in assisting adult clients to meet basic needs. Clinical included. (CR: BSC 227, FSC 210, CHM 203)
- 219 **Nursing Assessment of Individuals I. 3 hrs.**
Study of nursing assessment of the individual through the life span in relation to wellness promotion and the impact of illness. Basic students: Completion of freshman level classes. (PR: Permission)
- 220 **Health Alternations I. 8 hrs. 6 theory-2 clinical. (ASN only)**
Focus is on nursing care of adult clients responding to potential and actual health alterations. (PR: NUR 120; CR: BSC 250, PSY 311)

- 221 Foundations of Professional Nursing I. 5 hrs.**
Introduction to philosophical and theoretical foundations of nursing, exploration and integration of concepts and processes basic to professional nursing practice. Practicum included. (PR: Permission)
- 222 Foundations of Professional Nursing II. 6 hrs.**
Introduction to professional nursing practice in relation to potential and simple alterations in health. Practicum included. (PR: Permission)
- 225 Psychiatric Nursing. 4 hrs. 3 theory-1 clinical. (ASN only)**
Focus is on the nursing role in caring for clients with alterations of psychosocial functioning. Clinical included. (PR: PSY 201, NUR 220; CR: PSY 311)
- 230 Health Alterations II. 8 hrs. 5 theory-3 clinical. (ASN only)**
Focus is on nursing care of adult clients with health alterations of specific physiological systems. Role requirements and processes utilized in managing groups of clients is introduced. Clinical included. (PR: NUR 220)
- 235 Maternal-Child Nursing. 6 hrs. 4 theory-2 clinical. (ASN only)**
Focus is on the nursing role utilized in promoting health and caring for the child bearing family and pediatric clients. Clinical included. (PR: PSY 311, NUR 220)
- 120 Health Alterations III. 6 hrs. 4 theory-2 clinical. (ASN only)**
Focus is on nursing care of adult clients with health alterations of specific physiological systems. (PR: NUR 230)
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 305 Concepts of Professional Nursing. 4 hrs.**
Emphasizes concepts and processes essential to professional nursing practice. Philosophical and theoretical foundations of nursing are examined. Focus is on professional role and role transition. (PR: Permission)
- 317 Family Nursing Practicum. 2 hrs.**
Practice for family nursing with emphasis on health promotion and health protection. Required only for R.N. Option students. (PR: Permission)
- 318 Family Nursing. 3 hrs.**
Focus is on family nursing theory as it related to human responses. Emphasis is on factors influencing family health promotion and health protection. Included is the impact of chronic illness on families. (PR: Permission)
- 319 Nursing Assessment of Individuals II. 4 hrs.**
Development of skills in taking health history and performing physical examination of clients throughout the life span. Practicum included. (PR: Permission)
- 321 Nursing and Human Responses I. 5 hrs.**
Focus of nursing is on the diagnosis and treatment of human responses to changes that occur in the expanding family. Practicum included. (PR: Permission)
- 322 Nursing and Human Responses II. 5 hrs.**
Focus is upon nursing care of clients of all ages in relation to human responses to psychosocial and chronic illness. Practicum included. (PR: Permission)
- 323 Nursing and Human Responses III. 5 hrs.**
Focus is on nursing care of clients of all ages responding to common health problems. Practicum included. (PR: Permission)
- 324 Nursing and Human Responses IV. 5 hrs.**
Focus is on nursing care of clients of all ages responding to potential and actual complex alterations in health in relation to specific body systems. Practicum included. (PR: Permission)
- 325 Nursing and Human Responses V. 5 hrs.**
Focus is upon nursing care of clients of all ages responding to potential and actual complex alterations in health in relation to specific body systems. Practicum included. (PR: Permission)
- 400 Transcultural Health Care. 3 hrs.**
Focus is on health care practices and beliefs in a variety of cultures. Political, economic, and geographic factors affecting global health care are addressed. Open to non-majors. (PR: SOC 200 or ANT 201)
- 403 Nursing Management. 3 hrs.**
Focuses on the analysis of roles and functions of the professional nurse in first level management. Synthesis of concepts of leadership and related theories with nursing management included. (PR: Permission)
- 409 Nursing Research. 3 hrs.**
Focuses on the research process and methodology. Development of critical thinking and decision making skills needed to analyze and evaluate research findings for application to nursing included. (PR: Permission)

- 421 **Nursing and Human Responses VI. 5 hrs.**
Focus is upon the public health principles and nursing practice with opportunity to provide health promotion for clients at risk and long term care for individuals and families in the home. (PR: Permission)
- 422 **Role Synthesis Practicum. 5 hrs.**
Focus is on leadership activities related to the roles of the professional nurse: provider of care, coordinator of care, and member of the profession. Practicum included. Capstone experience (PR: Permission)
- 423 **Current Issues in Professional Nursing. 3 hrs. (3 credits theory)**
Focus is on the political, legal, and ethical issues and their impact on nursing practice. (PR: Permission)
- 424 **Pharmacology for Nurses. 3 hrs.**
Focus on the role of the nurse in drug therapy. Specific drug classifications and prototypical drugs, their actions, effects and nursing implications are described in length. (PR: Permission)
- 428 **Rural Health Care. 1-6 hrs.**
Practicum in providing health care to clients in rural underserved setting. Community assessment and multidisciplinary experiences included. Focus is on activities related to roles of the professional nurse. (PR: Permission)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Study of topics not available in other courses.
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 495H-496H **Readings for Honors in Nursing. 2-4; 2-4 hrs.**
Open only to nursing majors of outstanding ability. By permission of the Dean. See Honors Courses

PARK RESOURCES AND LEISURE SERVICES (PLS)

- 100 **Leisure in Your Life. 3 hrs.**
An elective course, for non-park and recreation majors, designed to explore contemporary leisure values and the impact of leisure on American culture. (May not substitute for PLS 101)
- 101 **Introduction to Parks and Leisure Services. 3 hrs.**
An orientation to the profession emphasizing history, trends, concepts, and relationship to other fields. This course is prerequisite to all other PLS courses.
- 120 **Introduction to Therapeutic Recreation. 3 hrs.**
Introduction to the therapeutic recreation profession and its services which are designed to serve the ill, disabled, aged, blind and mentally handicapped.
- 150 **Basic Bass Fishing Techniques. 1 hr.**
An activity course designed to teach basic skills in bass fishing including equipment, identification of bass species, location, techniques, and technology.
- 152 **Basic Fly Fishing Techniques. 1 hr.**
An activity course designed to teach the basic skills associated with fly fishing including equipment, flies, and techniques.
- 154 **Basic Canoeing. 1 hr.**
This course is designed to give the student the knowledge and skills essential to competent and safe canoeing in accordance with American Red Cross techniques and procedures.
- 156 **Bicycling. 1 hr.**
This course is designed to give the student basic knowledge and skills essential to safe and enjoyable bicycling.
- 158 **Downhill Skiing. 1 hr.**
An activity course designed to teach the basic skills of snow skiing using the proper ski equipment and ski techniques.
- 160 **Introduction to Hiking & Camping. 1 hr.**
An introductory activity course developed to teach beginning skills necessary for involvement in hiking and camping trips.
- 201 **Recreational Activities. 3 hrs.**
Introduces the student to a variety of recreational activities typically utilized in recreation settings.
- 210 **Recreation Programming and Leadership. 3 hrs.**
A study of the fundamental principles of planning and the techniques of implementing these programs.
- 220 **Therapeutic Recreation Program Planning. 3 hrs.**
Designed to develop program planning and supervision of leisure activities for individuals with disabling conditions. (PR: PLS 120 or permission)

- 230 **Park Management and Operation. 3 hrs.**
Origin and conceptual development of parks, the basic study of both management and operation practices, and the management of physical park resources.
- 231 **Nature Study. 3 hrs.**
Designed to provide training in the planning and delivery of nature programs and activities offered in a variety of agencies and organizations.
- 270 **Practicum. 2 hrs.**
Scheduled in conjunction with PLS 210 to provide the student with program planning and leadership with leisure service organizations in the community. (CR: PLS 210)
- 271 **Therapeutic Recreation Practicum. 2 hrs.**
Scheduled in conjunction with PLS 220 to provide the student with programming experience for the handicapped. (CR: PLS 220)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 301 **Outdoor Recreation. 3 hrs.**
Organization, administration and delivery of outdoor recreation activities and resources. Emphasis upon federal, state, and local government programs and areas.
- 320 **Recreational Sports and Campus Recreation Management. 3 hrs.**
This course will deal with the fields of recreational sports and campus recreation management. It will present the foundations of both fields, the development, implementation and trends in today's programs.
- 330 **Wildland Recreation Management. 3 hrs.**
A systematic approach to the management of back country, primitive, and wilderness areas.
- 350 **Outdoor Adventure Training. 3 hrs.**
The purpose of this course is to offer students an experiential learning environment by participating in an outdoor ropes course, where a series of trust-oriented and challenging activities will enhance a group's cohesiveness and ability to work together. Leadership training in every aspect of the course will also be taught.
- 400 **Leisure and Aging. 3 hrs.**
The purpose of this course is to present an overview of the field of leisure services for the elderly. It examines the research, theories, and trends related to leisure for the elderly and presents a wellness model to apply to all delivery settings.
- 401 **Administration of Parks and Recreation. 3 hrs.**
Considers administrative practice and various organizational structures. Includes administrative processes, supervision of personnel, budgeting and public relations.
- 402 **Assessment and Evaluation in Recreation and Leisure Services. 3 hrs.**
Theoretical and practical approach to evaluation as applied to recreation and leisure services. Emphasis will be upon developing sound assessment and evaluation methodology applicable to recreation and leisure studies. (PLS 101)
- 410 **Recreation Area and Facility Maintenance. 4 hrs.**
A study of the knowledge and skills necessary to supervise and administer the general development and maintenance of park and recreation areas and facilities.
- 411 **Recreation Areas and Facilities. 3 hrs.**
Basic considerations in the planning and design of recreational and sport areas, facilities, and structures including associated amenities.
- 421 **Recreation for Special Populations. 3 hrs.**
A study of the use of recreation activities with disabled persons. Techniques in programming and adaptation to meet the leisure needs of special groups in today's society. (PR: PLS 120 or permission)
- 422 **Therapeutic Recreation in Institutional Settings. 3 hrs.**
Designed to acquaint students with the role and practice of therapeutic recreation in treatment centers. (PR: PLS 120 or permission)
- 430 **Environmental Interpretation. 4 hrs.**
Principles and techniques of environmental interpretation as practiced in federal, state and private agencies. 3 lec.-2 lab.
- 431 **Forest Recreation Planning. 4 hrs.**
A forest recreation planning course utilizing the functional planning approach based upon demand and site capability analysis. 3 lec.-2 lab.
- 440 **Off-highway Vehicle Recreation in America. 3 hrs.**
A course designed to integrate OHV recreation concepts, experiences, research trends, supply and demand, and management issues.
- 441 **Planning for Off-Highway Vehicle Recreation. 3 hrs.**
- 480-483 **Special Topics in Recreation. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: By permission of the division head)

- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
 490 **Park and Recreation Internship. 12 hrs., S.**
 A supervised, 40-hour per week, 12-week internship in which the student works with park and recreation agencies. (PR: Senior standing, not more than 18 hrs. remaining before graduation, and minimum 2.0 overall grade point average)

PHILOSOPHY (PHL)

- 200 **Introduction to Philosophy: Ancient Period. 3 hrs. I, II, S.**
 The origins of philosophical activity among the Greeks by means of a selective sounding of several major thinkers.
- 200H **Introduction to Philosophy: Ancient Period. 3 hrs. Honors**
 A detailed consideration of selected texts from Ancient philosophy, such as the pre-Socratics, Plato, Aristotle, the Stoics, the Epicureans, the Academic Skeptics, and the neo-Platonists.
- 201 **Introduction to Philosophy: Modern Period. 3 hrs. I, II, S.**
 Questions and answers concerning the nature of existence and human values and how we come to know them.
- 250 **Orientation in Humanities. 3 hrs. I, II.**
 An interdisciplinary course to introduce students to the elements of a humanistic education. (Same as Classical Studies 250 and Religious Studies 250; PR or CR: English 101)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
 Group or individual study of areas demanding further study of a more specialized depth. (PR: PHL 250, 200, or 201)
- 302 **Applied Ethics. 3 hrs.**
 The application of basic ethical theories to contemporary moral issues drawn from such fields as medicine, business and the environment.
- 303 **Ethics. 3 hrs.**
 A critical study of diverse moral norms, ideals and systems in theory and practice.
- 304 **Logic and Interpretation. 3 hrs. I, II.**
 Theory and practice of valid principles of thinking, including developing the skills of justifying diverse types of belief and evaluating reasons for conflicting standpoints (for example, racial, gender, and ethnic differences).
- 306 **Philosophy of Art. 3 hrs.**
 Examination of the qualities involved in the appreciation of beauty which serve as standards of taste.
- 315 **American Philosophy. 3 hrs.**
 Great American thinkers, including thinkers such as Emerson (transcendentalism), Peirce, James, Dewey, and Rorty (pragmatism), Royce (idealism), Quine (analytic philosophy), and de Man (post-structuralism).
- 320 **Comparative Philosophy. 3 hrs.**
 The relations of the world's philosophies to the basic cultural and religious traditions of the world and to the development of the world community.
- 321 **Current Philosophical Trends. 3 hrs.**
 Selected reading in contemporary thought embracing such movements as realism, Marxism, post-structuralism, deconstruction, postmodernism.
- 330 **Philosophy of Sex. 3 hrs.**
 Introduction to some of the basic authors, texts, and themes in this branch of philosophy beginning with Plato's *Symposium*.
- 340 **Philosophy of Sexual Orientation and Gender. 3 hrs.**
 An introduction to the philosophy of sexual orientation and its relation to gender, with a special focus on issues of knowledge and politics.
- 350 **Basic Humanities. 3 hrs.**
 A structured interdisciplinary study offered by the departments of Classical Studies, Philosophy and Religious Studies in the foundations of Western thought: its myth, literature, religion, philosophy, art. (Same as Classical Studies 350 and Religious Studies 350)
- 353 **Philosophy of Science. 3 hrs.**
 Reflections on crucial concepts of modern science relevant to philosophical issues in interpreting human beings and the universe; special attention given to epistemological and other problems of mathematics and physical and social sciences. (PR: Three hours of philosophy)
- 363 **Philosophy of Feminism. 3 hrs.**
 An introduction to contemporary feminist theory including discussion of current gender-related issues.
- 400 **Ancient Philosophy. 3 hrs.**
 Advanced study of major philosophers drawn from the ancient Greek and Roman period. (PR: PHL 200)

- 401 **Modern Philosophy. 3 hrs.**
Advanced study of major movements in philosophy from the 17th century on, movements such as rationalism, empiricism, idealism, and existentialism. (PR: PHL 201, or any 300 level PHL course)
- 420 **Metaphysics. 3 hrs.**
Advanced study of the most basic nature of reality. (PR: 3 hrs. of philosophy)
- 421 **Philosophy of Knowledge. 3 hrs.**
Advanced study of the nature and possibility of knowledge. (PR: 3 hrs. of philosophy)
- 451 **Philosophy of History and Culture. 3 hrs.**
Ancient and modern theories of the meaning and consequence of history and culture. (PR: 3 hrs of philosophy)
- 455 **Philosophy of Religion. 3 hrs.**
Theories of the nature and functions of religion, including the meaning of religious language and the problems of belief. (PR: Six hours between philosophy and religious studies)
- 465 **Existential Philosophy. 3 hrs.**
A study of existential philosophers from Kierkegaard to Heidegger, Sartre and beyond.
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Shared study and research on a special topic as announced. (PR: Permission of the chairman)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 495H-496H **Readings for Honors in Philosophy. 4; 4 hrs.**
Open only to philosophy majors of outstanding ability. See Honors Courses.
- 498 **Directed Readings in Philosophy. 3 hrs. I or II.**
Advanced research adaptable to the needs of the individual student. (PR: Permission of department chairman)
- 499 **Humanities Seminar. 3 hrs.**
Designed for majors as the culminating interdisciplinary study in the Basic Humanities program. Capstone experience (Same as Classical Studies 499 and Religious Studies 499).

PHYSICAL EDUCATION (PE)

- 100 **Beginning Swimming. 1 hr. I, II.**
PR: Non-swimming classification or instructor's permission)
- 113 **Basketball. 1 hr. I, II.**
Theory, rules and techniques of basketball.
- 114 **Beginning Archery. 1 hr.**
Theory, rules and fundamentals of skills of archery.
- 115 **Body Conditioning with Weights. 1 hr. I, II, S.**
An introduction to weight training principles and techniques which can be utilized by both men and women to devise their own individual body conditioning programs.
- 118 **Development of Physical Education and Sport in the United States. 3 hrs. I, II.**
A survey of the development of sport forms and physical education curricula from colonial America through the present day.
- 120 **Self Defense. 1 hr.**
- 121 **Taekwondo. 2 hrs.**
Techniques and skills are taught with emphasis on participation.
- 125 **Beginning Gymnastics 1 hr.**
- 127 **Aerobics - Personal Fitness. 1 hr. I, II, S.**
A course designed to provide the information necessary for the development of an individualized aerobic fitness program.
- 132 **Beginning Volleyball. 1 hr. I, II, S.**
- 133 **Beginning Softball. 1 hr. I, II, S.**
Techniques and skills of softball taught with emphasis on participation in the activity.
- 140 **Beginning Tennis. 1 hr. I, II, S.**
- 141 **Beginning Golf. 1 hr. I, II, S.**
- 142 **Beginning Badminton. 1 hr. I, II.**
- 145 **Beginning Bowling. 1 hr. I, II.**
- 147 **Beginning Soccer. 1 hr. I.**
Instruction in techniques and skills of beginning soccer with strategy provided through class participation.
- 155 **Beginning Folk Dance. 1 hr. I, II.**
- 156 **Beginning Square Dance. 1 hr. I, II.**
- 159 **Beginning Social Dance. 1 hr.**
The analytical and practical study of the skills necessary to perform contemporary and traditional ballroom dance.

- 170 **Beginning Racquetball. 1 hr. I, II.**
- 171 **Beginning Handball. 1 hr. I, II.**
Theory, rules and techniques of handball.
- 201 **Scientific Foundations for Physical Education I. 3 hrs. I, II.**
Instruction and laboratory experiences in basic anatomy, physiology and bio-mechanics as applied in human movement.
- 202 **Scientific Foundation of Physical Education II. 3 hrs. II.**
Advanced instruction and laboratory experiences in Anatomy, Physiology and Biomechanics as applied in human movement.
- 205 **Intermediate Swimming. 1 hr. I, II.**
Theory and practice of fundamental strokes.
- 210 **Intermediate Archery and Bow Hunting. 1 hr.**
Theory, rules and techniques of intermediate archery and bow hunting.
- 211 **Physical Fitness Leadership. 2 hrs. I, II.**
The student will learn skills needed to lead exercise classes involving aerobic, resistive, and flexibility exercises. (PR: PE 201)
- 215 **Sports Injury Control and Management. 3 hrs. I.**
Survey and study of the basic techniques and practices of athletic training. (PR: PE 201, HE 222)
- 218 **Socioculture Bases of Physical Education/Sport. 3 hrs. I, II.**
A study of the possible interrelationship between physical activity and various sociocultural factors.
- 230 **Track and Field. 1 hr.**
Instruction and practice of fundamental skills in various track and field events.
- 232 **Intermediate Volleyball. 1 hr. I, II.**
Practice of intermediate volleyball techniques with additional insight into offensive and defensive techniques used in competitive volleyball.
- 233 **Intermediate Gymnastics. 1 hr. II.**
To prepare students to teach gymnastics and tumbling and to organize gymnastics programs by providing them with adequate skills and knowledge. (PR: PE 125)
- 235 **Intermediate Softball. 1 hr. I, II.**
Practice of intermediate softball skills with emphasis on offensive and defensive techniques and strategies.
- 240 **Intermediate Tennis. 1 hr. I, II.**
- 241 **Intermediate Golf. 1 hr. I, II.**
- 242 **Intermediate Badminton. 1 hr. I, II.**
- 243 **Intermediate Basketball. 1 hr. I, II.**
Practice of intermediate basketball skills with emphasis on offensive and defensive techniques and strategies.
- 245 **Intermediate Bowling. 1 hr. II.**
- 251 **Intermediate Soccer. 1 hr. II.**
Instruction in advanced techniques, skills and strategies in soccer.
- 252 **Touch Football. 1 hr. I.**
- 255 **Athletic Training Clinical Experience: Level I, CR/NC**
To develop beginning evaluation and treatment skills of the student under the direction of NATA certified Athletic Trainer. Requires 200 clinical hours. (CR: Admission to Athletic Training Program; at least a second semester sophomore; concurrently registered for PE 348 or PE 422)
- 257 **Intermediate Folk Dance. 1 hr.**
Continuation of skills in Folk Dance with emphasis on intermediate dances and techniques.
- 258 **Intermediate Square Dance. 1 hr.**
Continuation of skills in Square Dance with emphasis on intermediate dances and techniques.
- 259 **Intermediate Social Dance. 1 hr.**
Emphasis on stylization and more advanced skills involved in the performance of ballroom dance.
- 270 **Intermediate Racquetball. 1 hr.**
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: Permission of Division Person)
- 290 **Practicum in Sports Management and Marketing. 3 hrs. II.**
A minimum of 150 hours in the athletic department and classroom setting emphasizing a variety of work experiences and exploration of vocational opportunities in Sports Management and Marketing. (PR: 9 hours in HPER)
- 295 **Adult Fitness Programs in Business and Industry. 2 hrs. I.**
Basic course dealing with adult fitness programs in business and industry. Consideration will be given to types of programs and professional opportunities.

- 300 Recreational Aquatics. 1 hr. II.**
The development of skills in water-related activities such as scuba, skin diving, springboard diving, and other aquatic activities of recreational nature.
- 310 Teaching Individual Sports. 2 hrs. I.**
Study and application of the principles and techniques of teaching individual sports skills in grade 5-12. (PR: Completion of Physical Education Activity Competencies)
- 311 Teaching Team Sports. 2 hrs. II.**
Study and application of the principles and techniques of teaching team sports skills in grades 5-12. (PR: Completion of Physical Education Activity Competencies)
- 314 Physical Education in Elementary Schools. 3 hrs. I, II, S.**
A practical approach designed to aid the elementary teacher in teaching methods and techniques needed for the teaching of elementary physical education. (PR: Majors, PE 260 and 350)
- 321 Kinesiology. 3 hrs. I, II.**
Applied anatomy of the human musculature and biomechanics in relation to physical activity. (PR: PE 201)
- 345 Physiology of Exercise. 3 hrs. I, II.**
Analysis of physiological changes which occur in the body during exercise. (PR: PE 201 or BSC 227 and 228)
- 350 Rhythms and Movement for Children. 3 hrs. II.**
Provides elementary physical education specialist with an overview of rhythms and movement activities for elementary school children.
- 360 Athletic Training Clinical Experience: Level II. CR/NC**
To develop evaluation and treatment skills of the student under the direction of NATA certified Athletic Trainer. Requires 200 clinical hours. (CR: Admission to Athletic Training Program; at least a first semester junior; concurrently registered for PE 345, PE 321, HE 220 or HE 221; completion of Clinical Level I)
- 361 Athletic Training Clinical Experience: Level III. CR/NC**
To develop evaluation and treatment skills of the student under the direction of NATA certified Athletic Trainer. Requires 200 clinical hours. (CR: Admission to Athletic Training Program; at least a second semester junior; concurrently registered for PE 348 or PE 422)
- 365 Tests and Measurements. 3 hrs. II.**
A study of the nature and purpose of measurements and evaluation in the field of physical education. Evaluation of available tests and practice in administration of tests.
- 369 Nature and Bases of Motor Skills. 3 hrs.**
A study of the factors contributing to the acquisition, improvement and retention of gross motor skills. Stages of motor development and learning will be examined from a behavioral approach.
- 375 Evaluating Fitness. 3 hrs. II.**
Application of neuromuscular, physiological and psychological knowledges to the appraisal of individual fitness. Consideration will be given to procedures and practices applicable to individuals varying in age, physique, and initial fitness levels. (PR: PE 345)
- 385 Development and Management of Adult Fitness Programs. 3 hrs. I.**
Considers organizational structures, record keeping, budgeting, and liability factors. (PR: PE 345, 375)
- 401 Ethics In Sport. 3 hrs.**
Philosophical and historical background to the development of values in contemporary society and examination of how these are manifested in the sports world.
- 403 Advanced Swimming and Life Saving. 1 hr. I, II.**
Instruction in several swimming strokes and techniques to develop advanced levels of ability. Instruction and tests for American Red Cross Senior Life Saving Certification.
- 404 Water Safety Instruction. 1 hr. I, II.**
Materials and methods of teaching American Red Cross Safety Course. Upon satisfactory completion, Water Safety Instructor's Certificate issued. (PR: PE 403 and Senior Life Saving Certificate)
- 410 Principles, Organization and Administration of Physical Education and Athletics. 3 hrs. I.**
Principles of health and physical education, procedures in the organization and administration of the physical education program, including purchase, care and use of equipment.
- 416 Planning and Developing HPERD and Athletics Facilities. 3 hrs.**
A course designed to familiarize students with the basic concepts of facility planning and construction. Current trends and innovative designs are reviewed. 2 lec-2 lab.
- 422 Prevention, Care and Treatment of Athletics Injuries. 3 hrs. II.**
This course is designed to prepare the athlete for competition, for prevention and protection from accidents, and for examination, care, and rehabilitation following injury. (PR: PE 215 and 348)

- 425 **Sport in Film. 3 hrs.**
The relationship between sport and feature motion pictures are analyzed in the historical, social and cultural contexts. (PR: Junior or senior standing)
- 426 **Methods of Coaching Basketball. 2 hrs.**
Different styles and systems of playing, methods of selecting and teaching players, scouting techniques and a scientific analysis of the player and the methods of playing basketball.
- 427 **Methods of Coaching Football. 2 hrs.**
Different styles and systems of playing, methods of selecting and teaching players, scouting techniques and a scientific analysis of the player and the methods of playing football.
- 430 **Sport Law. 3 hrs.**
Study of the basic principles of the legal system as they operate in the environment of American sport. (PR: Junior or Senior standing)
- 433 **Methods of Coaching Track and Field. 2 hrs.**
Methods and coaching techniques in the fundamentals of track and field.
- 435 **Adapted Physical Education and Mainstreaming. 3 hrs.**
Theory of remedial exercise and individualizing of physical activities to meet the needs of the physically handicapped. (PR: PE 201)
- 448 **Therapeutic Modalities in Sports Medicine. 4 hrs.**
Investigation and analysis of therapeutic modalities including indications, contraindications, biophysics and procedures. Includes a lab. (PR: PE 201, PE 215 and permission)
- 449 **Therapeutic Exercise in Sports Medicine. 4 hrs.**
Investigation and analysis of current trends in rehabilitation exercise, muscle testing and evaluation. Includes a lab. (PR: PE 201, 215, and permission)
- 460 **Athletic Training Clinical Experience: Level IV. CR/NC**
To develop advanced evaluation and treatment skills of the student under the direction of NATA certified Athletic Trainer. Required 200 clinical hours. (CR: Admission to Athletic Training Program; at least a first semester senior; concurrently registered for PE 345, PE 321, HE 220, or HE 221)
- 469 **Curriculum Development in Physical Education. 3 hrs.**
A study of principles, objectives and procedures in curriculum construction in the elementary and secondary school programs. Typical programs studied and evaluated. (PR: Completion of Physical Education activity competencies)
- 470 **Practicum. 4 hrs.**
Problem solving, geobiophysical modeling, and proposal development techniques in the physical sciences. (PR: PS 411 or permissions)
- 475 **Seminar in Sports Management and Marketing. 3 hrs. II.**
Course is designed to provide students with an overview to all aspects involved in the Sports Management and Marketing field through classroom lectures, guest speakers, and field trips. (PR: Junior standing in HPER)
- 476 **Theoretical and Practical Aspects of Coaching. 3 hrs.**
An in-depth study of the principles and problems of coaching.
- 478 **Energy Sources, Body Composition and Performance. 3 hrs.**
Consideration of metabolic requirements for various types of physical activity as well as the impact that physical activity and training can have on body composition and performance. (PR: PE 345)
- 479 **Trends in Athletic Training. 3 hrs. II.**
To provide an in-depth analysis of current trends with regard to administration, liability, and insurance. Cover current standards in surgery, rehabilitation, and evaluation of sport related injuries.
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: HPER majors only, with permission of Division chairperson)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 490 **Internship: Paraprofessional Student Experience. 3-8 hrs.**
Supervised clinical experience in an approved setting. Capstone experience.
- 495H-496H Readings for Honors in Physical Education and Sport. 1-3; 1-3 hrs.

PHYSICAL SCIENCE (PS)

- 109 **General Physical Science. 3 hrs. I, S.**
The course covers the basic principles and concepts of the universe including energy, and its various forms. Force, motion, electricity, magnetism, the wave theory of light and sound and astronomy are also studied. (PR: MTH 121 or 123. CR: PS 109L lab.) 3 lec.
- 109L **General Physical Science Laboratory. 1 hr. I, S.**
A laboratory course with experiments related to PS 109. (CR: PS 109)

- 110 General Physical Science. 3 hrs. I, S.**
Course covers the basic principles of chemistry, applications of chemistry, and an introduction to earth science. Atomic theory, chemical reactions and structure, everyday chemicals, and basic concepts of geology are studied. (PR: MTH 121 or 123. CR: PS 110L lab.)
- 110L General Physical Science Laboratory. 1 hr. II, S.**
A lab course with experiments related to PS 110. (CR: PS 110)
- 210 Environment Science-Physical Aspects. 3 hrs.**
A survey of environmental science from the perspective of the Physical Sciences; natural resource development and use, especially energy sources, pollution and waste problems. Lab activities and field trips included
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 400 Astronomy. 3 hrs. I, II., S.**
A study of the stars, planets and galaxies, planetary motion, cosmology, cosmography. Designed to assist teachers and others to develop an interest in astronomy. (PR: PHY 101 or 203 or 213; or PS 109; or PS 400 concurrent)
- 400L Astronomy Laboratory. 1 hr. I, II, S.**
A computational and observational laboratory. Fundamental observations in astronomy and their interpretation through physical laws. Quantitative discussion of orbital motion, time, telescopes, solar system, stars, and galaxies. (CR: PS 400)
- 425 Development of Scientific Thought. 3 hrs.**
Offered on demand. A study of the people and ideas which have influenced science: the philosophy of their periods; the economic conditions leading to scientific advancement and the works of the foremost scientists in this field. (PR: A total of twelve hours in Physical Science, Physics, and Chemistry courses)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4; 1-4 hrs.**

PHYSICS (PHY)

- 101 Conceptual Physics. 3 hrs. I, S.**
Introduces nonscience majors to applications of physics in life. Emphasizes conceptual understanding of basic principles in classical and modern physics. Recommended for science students with no high school physics. 3 lec. (PR: MTH 121 or 123 or the equivalent in high school math. CR: PHY 101L)
- 101L Conceptual Physics Lab. 1 hr. I, II, S.**
A laboratory course designed to include the principles and applications of physics that are introduced in Physics 101. (CR: PHY 101) 2 lab.
- 201-203 General Physics. 3 hrs. I, II, S.**
A course in general physics for all science majors with the exception of physics and engineering majors. 3 lec. (PR: MTH 127 or 130 and MTH 122 or 132; CR: PHY 202 and 204 for 201 and 203, respectively; 201 must precede 203)
- 202-204 General Physics Laboratory. 1 hr. I, II, S.**
Required of all students taking Physics 201-203, unless exempt by special permission. 2 lab.
- 211-213 Principles of Physics. 4; 4 hrs. I, II.**
A course in the basic principles of physics for physics, mathematics, and engineering majors. 4 lec. (PR: MTH 229. CR: MTH 230)
- 212-214 Laboratory Methods in Physics. I; 1 hr.**
A laboratory course to accompany Physics 211-213. 3 lab.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 300 Electricity and Magnetism. 3 hrs. I. (Alternate years)**
A course including the study of electrostatics, magnetostatics, electromagnetic induction, introduction to Maxwell's equations and electromagnetic waves. 3 lec. (PR: PHY 203 or 213 and MTH 231)
- 302 Electricity and Magnetism. 3 hrs. II. (Alternate years)**
A study of Maxwell's equations and electromagnetic waves, radiation theory, optical phenomena, and electrodynamics. 3 lec. (PR: PHY 300)
- 304 Optics. 3 hrs. II. (Alternate years)**
An intermediate course in geometrical and physical optics. 3 lec. (PR: PHY 203 or 213) See 405.
- 308 Thermal Physics. 3 hrs. I. (Alternate years)**
A study of thermodynamics, kinetic theory of gases, and an introduction to statistical mechanics 3 lec. (PR: PHY 203 or 213 and MTH 231)
- 314 Electronic Physics. 3 hrs. II. (Alternate years)**
A study of transistors, integrated circuits and their associated circuits. 3 lec. (PR: PHY 203 or 213 and 204) See PHY 415.

- 320 **Introductory Modern Physics. 3 hrs. I.**
An introductory study of atomic and molecular theories, relativity, quantum theory, and nuclear physics. 3 lec. (PR: PHY 203 or 213 and MTH 140 or MTH 230) See 421
- 330 **Mechanics. 3 hrs. I. (Alternate years)**
An intermediate study of the fundamental principles of statics of particles and rigid bodies, momentum and energy, dynamics of particles, harmonic oscillations, and wave motion. 3 lec. (PR: PHY 203 or 213 and MTH 231)
- 331 **Mechanics. 3 hrs. II. (Alternate years)**
A study of rigid-body dynamics, central force motion, accelerated systems, and an introduction to the equations of Lagrange and Hamilton. 3 lec. (PR: PHY 330 and MTH 335)
- 350 **Biomedical Physics. 4 hrs. II.**
A one-semester survey course in biomedical applications of physical principles designed for students in premedical, paramedical, and life sciences. 3 lec-2 lab. (PR: PHY 203 or 213 and 204, or consent of instructor)
- 405 **Optics Laboratory. 2 hrs.**
A course in optical experiments encompassing geometrical and physical optics. This course is to be taken with Physics 304.
- 410 **Physical Principles of Remote Sensing with Applications. 4 hrs.**
A study of the physical systems for collecting remotely sensed data. Statistical/spatial analysis and modeling using image processing/geographic information/spatial analysis computer software systems with earth resource applications. (PR: PHY 203 and 204; MTH 225 or permission)
- 411 **Digital Image Processing and Computer Simulation Modeling. 4 hrs.**
A study of image processing/geographic information and spatial analysis hardware/software systems, concurrent and parallel image processing modeling scenarios utilizing geobiophysical data for computer simulation modeling and practicum. (PR: PHY 410 or permission)
- 412 **Atmospheric Physics with Computer Simulation Modeling. 3 hrs.**
A general introduction to the earth's atmosphere. The physical and chemical dynamic behavior of the earth's atmosphere will be analyzed by comparing computer simulated profiles with in situ measurements. (PR: Permission of instructor)
- 415 **Electronics Laboratory. 2 hrs.**
A course in laboratory measurements encompassing transistors, integrated circuits, and their associated circuits. This course is to be taken with Physics 314.
- 421 **Modern Physics Laboratory. 2 hrs.**
Laboratory exercises on modern physics topics encompassing both experiments of historic significance and current applications. To be taken with Physics 320, or equivalent.
- 430 **Applied Electronics and Instrumentation. 4 hrs. (Offered on demand)**
A course applying electronic principles to instrumentation with emphasis on the medical and life sciences. The functions of instruments will be stressed. 3 lec-2 lab. (PR: PHY 203 and 204, or consent of instructor)
- 431-432 **Seminar. 1 hr. each I, II.**
One semester required of physics majors.
- 440 **Optics with Life Science and Medical Applications. 4 hrs. (Offered on demand)**
A course emphasizing the application of optical principles in instruments dealing with biological and medical measurements. 3 lec-2 lab. (PR: PHY 203 and 204, or consent of instructor)
- 442 **Quantum Mechanics. 3 hrs. (Alternate years)**
A study of waves and particles, the Schrodinger and Heisenberg formulations, particles in potential fields, scattering and perturbation theories, and applications to atomic and nuclear structure. 3 lec. (PR: MTH 231 and PHY 331)
- 445 **Mathematical Methods of Physics. 3 hrs. (Offered on demand).**
An introduction to theory of orthogonal functions, curvilinear coordinate systems, vector and tensor fields, and their applications in physics. Problems are drawn from different areas of physics. 3 lec. (PR: PHY 203 or 213 and MTH 231 or permission)
- 447 **Mechanics for Teachers. 4 hrs.**
An in-depth study of mechanics for education majors specializing in Physics with emphasis on problem-solving techniques, demonstrations, experiments and computer applications. (PR: PHY 203 or 213, MTH 122, MTH 140)
- 450 **Radiation Physics in Life Sciences. 4 hrs. II. (Alternate years)**
A course in radiation physics with emphasis on applications in the medical sciences. Designed for students interested in the life sciences. A field trip to the University of Michigan nuclear reactor is an integral part of the course. 3 lec-2 lab. (PR: PHY 203 or PHY 213 and 204, or consent of instructor)

- 462 Nuclear Chemistry and Physics. 3 hrs. II. (Alternate years)**
An introduction to the description of nucleons, electric and magnetic properties of a nucleus, nuclear energy levels, nuclear reactions including neutron activation, interaction of particles with matter, and nuclear forces. 3 lec. (PR: PHY 320 and MTH 231 or consent of instructor.) See 463.
- 463 Nuclear Physics Laboratory. 2 hrs.**
Laboratory techniques for the measurement of nuclear properties, theory and characteristics of various detectors, statistics of counting, and energy determination of nuclear particles and radiation. This course is to be taken with PHY 462. A field trip to the University of Michigan Nuclear Reactor is an integral part of the course.
- 470 Practicum. 4 hrs.**
Problem solving, geobiophysical modeling, and proposal development techniques in the physical sciences.
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs. I, II, S.**
By permission of department chairman.
- 491 Capstone. 1-2 hrs.**
To give a Capstone experience to physics majors in their junior and senior years by applying the principles of physics to the solution of real life problems. (PR: CSD 203 or 218 and lab)
- 492 Capstone. 1-2 hrs.**
To give a capstone experience to physics majors in their junior or senior years by applying the principles of physics to the solution of real life problems. (PR: PHY 491)

POLITICAL SCIENCE (PSC)

- 104 American National Government and Politics. 3 hrs.**
The American federal government system, with emphasis on constitutionalism, governmental structure, and the political process.
- 105 Fundamentals of Politics. 3 hrs.**
General survey introducing the study of politics, its major concepts, processes, institutions, and fields of concern, with attention to the place of political science in the larger context of social science inquiry.
- 200 Models of Politics. 1-3 hrs.**
Introduction to the use of theory in political science. Offered in one-credit (5-week) modules. Module I is prerequisite to all others. Designed to assist in the development of analytic and synthetic skills.
- 202 American State Government and Politics. 3 hrs.**
Study of the institutions, processes, and significance of this level of political life in America.
- 207 Comparative Politics. 3 hrs.**
Introduction to the field of comparative politics, stressing comparative concepts and approaches to the cross-national study of politics and government, with examination of political systems, ranging from democratic to non-democratic types.
- 211 Scope and Method in Political Science. 3 hrs.**
Study of the development of political science as a distinct science and discipline, and of the fundamentals of research in political science, such as bibliographic techniques, use of scientific method, textual and case-study approaches and data analysis.
- 233 Introduction to Public Policy. 3 hrs.**
Basic concepts and skills in the analysis of public policy problems. Use of policy as an instrument for solving problems. Application to selected fields, for example, environmental policy and urban policy.
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
To offer a course on some special topic not adequately treated in the regular course offerings
- 301 Urban Government and Politics. 3 hrs.**
Political systems in American cities and metropolitan areas.
- 303 American Political Parties. 3 hrs.**
Examination of the American party system, its origins, development and characteristics. Emphasis also on party organization, political ambition and recruitment, party impact on public policy, campaigns, elections, and voting behavior.
- 307 Public Opinion and Propaganda. 3 hrs.**
Study of the processes by which individuals acquire politically relevant information, attitudes, values, and opinions; the consequences of these processes for political stability and conflict; and the linkage of mass opinions to elite behavior.
- 309 Fundamentals of International Relations. 3 hrs.**
Survey of major concepts and approaches in the study of international relations and analysis of processes, institutions, strategies, and trends in world politics.

- 311 **Topics in Public Policy. 3 hrs.**
A course devoted to a special topic of interest in the policy field, such as energy, health care, transportation, environmental concerns, etc.
- 333 **Introduction to Public Administration. 3 hrs.**
Introduction to modern theories of administration; the relation of administration to the political system and process; and analysis of administrative organizations and functions, including planning, personnel, and finance.
- 376 **Black Politics. 3 hrs.**
Study emphasizing power structures in black communities, dissent and protest, problems and trends, and the uniqueness of black politics as compared with the politics of other ethnic groups.
- 381 **The American Legislative Process. 3 hrs.**
Structure and behavior of American national and state legislative systems; the impact of constituencies, parties, interest groups, interpersonal relations, and other factors on the legislative policy-making process; the role of the legislature as a subsystem in the larger political system; and problems and trends.
- 382 **Student Legislative Program. 1 hr. II.**
One week of intensive legislative observation designed to provide selected students an understanding of the organization and processes of the West Virginia legislature and its role in the making of public policy. (PR: Junior or senior standing, a Political Science course in American Government and permission)
- 383 **The American Executive Process. 3 hrs.**
Study of governmental executives in the American political system, with emphasis on the president, including analysis of constitutional status and powers, recruitment, administrative responsibilities, political and legislative leadership, accountability, and problems and trends.
- 405 **International Organization. 3 hrs.**
Study of world and regional organizations as reflections of world politics, as instruments of foreign policies, and as forces for change and order, with emphasis on their role as channels for management of cooperation and conflict.
- 406 **International Politics. 3 hrs.**
Study of major issues in world politics, with emphasis on theoretical approaches, problems of war and peace, and contemporary trends.
- 407 **Asian Politics. 3 hrs.**
Study of such nations as India, China, Japan, and Korea in the contemporary setting.
- 408 **Middle Eastern Politics. 3 hrs.**
Study of the Arab States and such nations as Israel, Iran, and Turkey in the contemporary setting.
- 409 **Western Democratic Politics. 3 hrs.**
Study of such nations as Canada and those of Western Europe, particularly Great Britain and France.
- 410 **Eastern European Politics. 3 hrs.**
Study of Eastern Europe.
- 411 **Latin American Politics. 3 hrs.**
Study of Latin American politics by sectors, such as landed elites, the military, the church, etc. Various styles of governance are considered. Case examples illustrate concepts discussed.
- 415 **International Law. 3 hrs.**
Study of theories, origins, sources, development, present state, and trends of international law as a factor in various aspects of international politics.
- 420 **Current World and Regional Issues. 3 hrs.**
An intensive study of specific world or regional problems, such as the politics of world hunger, the role of multinational corporations, imperialism, Third World Communist movements, etc.
- 421 **American Political Thought. 3 hrs.**
Study of the development and influence of American Political Thought with an emphasis on the linkage of ideas to political and economic forces.
- 422 **African Political Systems. 3 hrs.**
The study of political systems of selected countries, blocs, or regions.
- 423 **American Foreign Policy. 3 hrs.**
The study of descriptive, analytical, and normative aspects of United States foreign policy with emphasis on contemporary problems and issues.
- 424 **Comparative Foreign Policy. 3 hrs.**
Application of the comparative method to foreign policy decision-making and outputs. Comparison within or between geographic regions.
- 425/525 **Ancient and Medieval Political Thought. 3 hrs.**
Selective study of classics of Western political theory from earliest times through the 15th century, such as that of Plato, Aristotle, the Romans, Augustine, and Aquinas.

- 426/526 **Modern Political Thought. 3 hrs.**
 Selective study of classics of Western political theory from the 16th century through the 19th century, such as that of Machiavelli, Bodin, Hobbes, Locke, Rousseau, Hume, Burke, Mill, and Marx.
- 428 **Islamic Political Ideas and Institutions. 3 hrs.**
 Study of Islamic political ideas, practices, and institutions and their impact on the rise and development of contemporary Islamic movements, organizations, and states.
- 429 **The Politics of Conflict and Revolution. 3 hrs.**
 Study of major theories of conflict and revolution with emphasis on cross-national explanations and outcomes.
- 433 **Public Administration and Policy Development. 3 hrs.**
 Examination of alternative theoretical approaches to the study of policy and administration and their implications for the use of policy to shape administrative practice.
- 436 **The American Judiciary. 3 hrs.**
 Structure and behavior in American national and state judicial systems, including analysis of their decision making and policy making functions, their procedures and administration, and problems and trends.
- 440 **Power in American Society. 3 hrs.**
 Examination of some of the major theoretical approaches — pluralistic, elitist, etc. — to the study of power. A major concern is the relationship between the distribution of political resources and the performance of political systems. Efforts to transform political systems are examined on the basis of cross-national research.
- 450 **Administrative Law. 3 hrs.**
 A study of the basic legal framework of administrative organization, including the problems of administrative discretion, rule-making and adjudication, regulatory agencies, and administrative responsibility in the democratic state.
- 452 **Public Personnel Administration. 3 hrs.**
 Survey of public personnel administration with particular attention to various facets of the merit system concept. Psychological and human relations aspects of the work situation and supervisor-subordinate interaction emphasized.
- 453 **Governmental Budgetary Administration. 3 hrs.**
 Study of organization, administration, and accountability in the management of public funds, with emphasis on the political decision-making processes of budget formulation, presentation and execution.
- 454 **Administrative Organization and Behavior. 3 hrs.**
 A study of the contributions of the behavioral sciences to the study of organizations with stress on such concepts as leadership, motivation, power conflict, organizational design and decision making.
- 460 **Civil Rights and Liberties. 3 hrs.**
 The basic substantive and procedural elements of American constitutional liberties and civil rights with emphasis on historical development as influenced by social and political forces.
- 461 **Urban Problems and Public Policy. 3 hrs.**
 Study of policy problems of metropolitan areas in terms of structures, alternatives, and outcomes.
- 480-483 **Selected Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
 To offer a course on some special topic which is not adequately treated in the regular course offerings.
- 484 **Constitutional Law. 3 hrs.**
 Introduction to the principles of American constitutional law and analysis of constitutional issues, emphasizing leading Supreme Court cases.
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
 These numbers are reserved for tutorials, directed and independent readings, directed and independent research, problem reports, etc.
- 489 **Seminar in Public Service. 3 hrs.**
- 490 **Public Service Internship. 6 hrs.**
- 495H-496H **Readings for Honors in Political Science. 2-4; 2-4; hrs. I, II.**
 Open only to political science majors of outstanding ability. Both courses must be taken to receive credit. See Honors Courses.
- 499 **Capstone Experience. 3 hrs.**
 This course is designed to integrate political theory with politics by considering the relevance of political philosophy to contemporary political questions. Capstone Experience must be completed in the senior year. Offered only in Fall Semester

PSYCHOLOGY (PSY)

- 100 **Careers in Psychology. 1 hr.**
Prepares students to be successful undergraduate Psychology majors and introduces possible careers and educational requirements. Does not count toward hours in major required for graduation. (Graded CR/NC only)
- 201 **General Psychology. 3 hrs.**
Principles and methods in the scientific study of behavior.
- 201H **General Psychology—Honors. 3 hrs.**
For the superior student. (PR: ACT score of 26 or GPA of 3.2)
- 204 **Psychology of Adjustment. 3 hrs.**
Modes of personal and social adjustment; assessment and treatment techniques.
- 223 **Elementary Behavioral Statistics. 3 hrs.**
Orientation to the philosophy of science; survey of methods in behavior study; elementary statistics. (PR: MTH 121 or higher)
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 302 **Social Psychology. 3 hrs.**
Social determinants of individual behavior. (PR: PSY 201; 12 college credits at 100 level or higher)
- 311 **Child Development. 3 hrs.**
Psychological characteristics and personal and social problems of developmental periods. (PR: PSY 201; 12 college credits at 100 level or higher)
- 312 **Adult Development. 3 hrs.**
Study of the physiological, psychological, and social processes that occur with aging. (PR: PSY 201 or 311; 12 college credits at 100 level or higher)
- 323 **Experimental Psychology. 3 hrs.**
Methodology and research in psychology. (PR: PSY 223)
- 324 **Sensation and Perception. 3 hrs.**
Methodology and research in sensory and perceptual processes. (PR: PSY 223)
- 330 **Human Sexual Behavior. 3 hrs.**
A psychological approach to the functioning, attitudes, varieties and development of human sexual behavior. (PR: PSY 201; 12 college credits at 100 level or higher)
- 350 **Animal Behavior. 3 hrs.**
A comprehensive study of the behavior of non-human animals. (PR: Nine hours of Psychology)
- 360 **Personality. 3 hrs.**
Personality structure, dynamics and development. (PR: PSY 201; 12 college credits at 100 level or higher)
- 370 **Practicum in Child Psychology. 3 hrs.**
This course involves work and study in a day care center, including observation of cognitive and social development of children. (Graded CR/NC only; PR: PSY 311, 408; 12 college credits at 100 level or higher)
- 380 **Introduction to Professional Psychology. 3 hrs.**
This course surveys the application of psychology to human problems in clinics, schools, consumer patterns, environmental matters, the legal system, health psychology, clinical neuropsychology and others. (PR: PSY 201; 12 college credits at 100 level or higher)
- 391 **Psychology of Aggression. 3 hrs.**
A multifaceted study of aggressive behavior in humans and other animals. (PR: PSY 201, 302)
- 402 **Advanced Social Psychology. 3 hrs**
Advanced study of selected topics in social psychology. (PR: PSY 223, PSY 302 or consent of instructor)
- 403 **Applied Social Psychology. 3 hrs.**
Examination of the applications of social psychological methods, theories, principles and research findings to the understanding or solution of social problems. (PR: PSY 302)
- 406 **Psychometrics. 3 hrs.**
Mental test theory and applications. (PR: PSY 223)
- 408 **Abnormal Psychology. 3 hrs.**
An overview of the theories, assessment techniques, and treatment of maladaptive behavior. (PR: PSY 201; 12 college credits at 100 level or higher)
- 416 **Psychology of Learning. 3 hrs.**
Critical study of the major theories of learning and the related research. (PR: PSY 201, PSY 223)
- 417 **Intermediate Behavioral Statistics. 3 hrs.**
An intermediate level presentation of descriptive and inferential statistics as applied in behavioral research. (PR: PSY 201 and 223)

- 418 **Psychology of Personnel. 3 hrs.**
Psychological principles and methods applied to functions in personnel administration. (PR: PSY 201; 12 college credits at 100 level or higher)
- 420 **Introduction to Industrial - Organizational Psychology. 3 hrs.**
A systematic study of the application of psychological methods and principles in business and industry. Emphasis is on research methods, motivation, training, leadership, personnel selection, employee safety, and job satisfaction. (PR: PSY 201; 12 college credits at 100 level or higher)
- 426 **Cross Cultural Psychology. 3 hrs.**
Emic and etic cultural concepts are considered from an American (subcultural) and international perspective. Cultural influences on healing, health and service are covered. (PR: PSY 201; 12 college credits at 100 level or higher)
- 427 **Computer Applications in Psychology. 3 hrs.**
An introduction to computer applications in psychology, emphasizing data collection, management, organization, analysis and reporting. (PR: PSY 201, 223; CSD 101 or CT 101)
- 433 **Current Models of Psychotherapy. 3 hrs.**
Introduction of theoretical models and related therapeutic strategies which influence the practice of modern psychotherapy. (PR: PSY 201, either PSY 360 or 408; or permission)
- 440 **Physiological Psychology. 3 hrs.**
The relationships between physiological functions and biochemical processes and behavior. (PR: PSY 201; 12 college credits at 100 level or higher)
- 456-457 **Research in Psychology. 3; 3 hrs.**
Laboratory courses to give advanced students experience in conducting psychological research. Capstone experience. (PR: Permission of instructor)
- 460 **History and Systems of Psychology. 3 hrs.**
An examination of the historical and philosophical antecedents of contemporary psychology. Capstone experience (PR: Twelve hours of Psychology)
- 470 **Practicum in Industrial-Organizational Psychology. 3 hrs.**
The course will offer students applied observational/research experience in Personnel/Human Resource Departments under the supervision of professionals within the fields of Industrial-Organizational Psychology and Human Resources. Capstone experience. (PR: Either PSY 418 or 420; Major in Psychology; permission of instructor; complete application form).
- 471 **Practicum in Clinical Psychology. 3 hrs.**
Students work 6 hours per week in a local clinical setting where they have the opportunity to observe individual and group therapy, psychological testing, staff meetings, etc. Capstone experience. (PR: 12 hours of PSY including 408 and permission of instructor; complete application form)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
A course or seminar on some aspect of Psychology not otherwise treated in regular course offerings (PR: Permission of instructor and department chairperson)
- 495H-496H **Readings for Honors. 2-4 hrs. each.**
Open only to students of outstanding ability. See Honors Courses.
- 499 **Psychology Capstone Seminar. 3 hrs.**
A capstone course which integrates research methods, critical analysis, and problem solving applied to psychological questions and issues. (PR: PSY 223 and 323; 2.0 GPA in PSY and overall)

RELIGIOUS STUDIES (RST)

- 205 **Introduction to Religion in the Modern World. 3 hrs. I or II.**
A correlation of religion with the different areas of life: natural sciences, humanities, social sciences, philosophy, ethics, education. Also an introduction to world religions.
- 250 **Orientation in Humanities. 3 hrs. I.**
An interdisciplinary course to introduce students to the elements of a humanistic education. (Same as Classical Studies 150 and Philosophy 150; PR or CR: ENG 101) Egypt, Canaan, and the Hellenistic world
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Research adaptable to the needs of the individual student.
- 300 **The Nature of Religion. 3 hrs.**
An analysis of the nature of religious personalities, institutions, literature, philosophies, experiences, and education.
- 303 **World of Islam. 3 hrs.**
An examination of the global cultures of Islam with particular focus upon the origin and development of the religion which binds them together.

- 304 **The Teachings of Jesus. 3 hrs. I, II.**
An analysis of early Christian writing and a systematic study of the message of the historical Jesus that stands behind it.
- 305 **Early Christianity. 3 hrs.**
Traces the background, birth, and development of Christian thought from Paul through Augustine.
- 310 **The Hebrew Prophets. 3 hrs. I or II.**
The rise of the office of prophet and the contributions of prophecy to religion.
- 320 **Literature of the Old Testament. 3 hrs. I or II.**
Traces the origins, growth, and development of the literature of the Hebrew people to the Greek period. Includes an introduction to and application of modern tools of biblical study.
- 321 **The Protestant Faith. 3 hrs.**
An examination of the distinctive historical and theological features of the Protestant movement in Western Christendom, with special attention to the distinctive beliefs and practices of contemporary American denominations.
- 322 **The Catholic World. 3 hrs.**
An exploration of the origin and development of the Catholic World in all of its multiple expressions: theology, politics, liturgy, and the arts.
- 323 **Religion in America. 3 hrs. I, II.**
The rise and development of religious thinking in America. (Same as History 323)
- 324 **The Jewish Way of Life. 3 hrs.**
An exploration of the distinctive features of the heritage of modern Judaism. An integrated approach to the study of Jewish religious practices, teachings, literature, and contributions to contemporary life.
- 325 **Literature of the New Testament. 3 hrs. I or II.**
Traces the origins, growth, and development of the literature of the early Christian church. Includes an introduction to and application of modern tools of biblical study.
- 350 **Basic Humanities. 3 hrs. II.**
A structured interdisciplinary study offered by the departments of Classical Studies, Philosophy and Religious Studies in the foundations of Western thought: its myth, literature, religion, philosophy, art. (Same as Classical Studies 350 and Philosophy 350)
- 351 **Classics of Religious Literature. 3 hrs.**
A contextual analysis of selected popular religious classics, e.g., Foxe's Book of Martyrs, Bunyan's Pilgrim's Progress, St. Augustine's Confessions, Bhagavad-Gita, and the like.
- 419 **Religious Thought in the Western World. 3 hrs.**
An analysis of the major schools of religious thought as they have developed in the West.
- 450 **Sociology of Religion. 3 hrs.**
An investigation into religion as a social phenomenon. (Same as Sociology 450)
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 495H-496H **Readings for Honors in Religious Studies. 4; 4 hrs.**
Open to students with permission of the department chairman. See Honors Courses.
- 499 **Humanities Seminar. 3 hrs.**
Designed for majors as the culminating interdisciplinary study in the Basic Humanities program. (Same as Classical Studies 499 and Philosophy 499)

SAFETY EDUCATION (SED)

- 101 **Learning to Drive. CR/NC. 1 hr.**
An introduction to traffic safety: emphasis is placed on the fundamentals of driving, pedestrian and cycle safety. 2 lab. per week. (Lab fee non-drivers only)
- 235 **Introduction to Safety Education. 3 hrs. II, S.**
The child accident problem: basic courses, types, and areas of accidents: home, farm, recreation, school and vacation accidents; safe practices, control and prevention in the school and the general environment.
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
- 340 **Industrial Fire Prevention. 3 hrs.**
An introductory course that explores the relationship between engineering and fire prevention. Topics include: sprinkler systems, water supplies, behavior of fire and materials, fire protection, extinguishers and other systems. (PR: MTH 121 or equivalent)
- 372 **Safety and Industrial Technology I. 3 hrs.**
Industrial processes, graphics, materials, and dynamics, instrumentation, and design factors involving safety. (PR: SED 235)

- 373 **Principles in Ergonomics and Human Factors. 3 hrs.**
Introductory principles within human-machine relationships; examining the biological, physiological, and psychological factors which contribute to accident causation. (PR: MTH 130 and PHY 201)
- 373L **Principles of Ergonomics Lab. 1 hr.**
A laboratory course designed to include the principles and applications of human factors/ergonomics that were introduced in SED 373. (CO: SED 373)
- 375 **Construction Safety I. 3 hrs.**
Basic construction site safety focus on site preparation, planning, and inspection for safe operations. (PR: SED 235)
- 378 **Safety Evaluation and Measurement. 3 hrs.**
Methodologies of safety performance and evaluation for accident prediction and control. (PR: SED 235)
- 385 **Traffic Safety and Driver Education. 3 hrs.**
An introductory course in the teaching of safety and driver education, including techniques of classroom and behind-the-wheel instruction. 2 lec-2 lab. (PR: SED 235, ability to drive an automobile, and possession of a valid driver's license)
- 400 **Traffic Law and Enforcement. 3 hrs. II, S.**
A course designed to study and evaluate the varied and complex system of laws governing the control of all forms of traffic and the influences and responsibilities of traffic law enforcement in present-day society.
- 410 **Problems and Practices in Traffic Safety and Driver Education. 3 hrs.**
A survey course designed for supervisors of traffic accident prevention programs. Examines and evaluates problems, attitudes, philosophies, activities and administrative practices in school, city and state traffic safety programs. Supplements basic teacher training courses in traffic safety.
- 450 **Traffic Engineering. 3 hrs.**
Concerned with traffic and pedestrian flow, channelization, light coordination, intersection control, and devices related to safe, convenient and economical transportation of persons and goods.
- 454 **Industrial Environmental Protection. 3 hrs.**
Environmental protection as related to industrial settings. Air/water quality, noise and chemical pollution and hazardous material control. (PR: CHM 212, MTH 140)
- 454L **Environmental Programming/Sampling Lab. 2 hrs.**
Quantitative monitoring techniques for measuring air and water quality, the measurement of noise and chemical pollutions, and the evaluation of physical hazards. (CO: SED 454)
- 455 **Industrial Environmental Auditing/Programming. 3 hrs.**
Concerns development of an industrial environmental protection program for a small plant, including workplace experience in sampling/measurement of contaminants. (PR SE: 454)
- 465 **Accident Investigation/Reconstruction. 3 hrs.**
An introductory course in traffic accident investigation designed to give insight into the recognition and collection of evidence, collecting and recording data and reconstructing the accident based on the facts. (SED 372)
- 475 **Systems Safety. 3 hrs.**
Introduction to and application of concepts and methods of system safety techniques. (PR: MTH 130)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Students with specialization in safety education only, with permission of department chairman.
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
- 489 **Process Safety Management. 3 hrs.**
A study of the latest industrial safety information which will assist the student in designing a program to reduce or eliminate all incidents which downgrade the system. (PR: SED 465, MTH 140)
- 490 **Safety Internship. 3 hrs.**
Supervised experience on the job site. (PR: Permission of Instructor)
- 491-494 **Workshop. 1-4; 1-4; 1-4; 1-4 hrs.**
Workshop in selected areas of occupational safety and health.
- 497 **Occupational Safety and Health Programs. 3 hrs.**
Safety functions in industry. Principles of organization and application of safety programs. Prevention, correction and control methods are outlined and evaluated.
- 498 **Environmental Safety and Health Legislation. 3 hrs.**
A survey of the legislation that has affected the safety movement with special emphasis on the 1970 Occupational Safety and Health Act. (PR: junior or senior status, SED 372)
- 499 **Occupational Safety Program Management. 3 hrs.**
A study of safety programs at the state and local levels including the administrative, instructional, and protective aspects of a comprehensive safety program in schools, occupations, home and public.

SCIENCE EDUCATION (Listed under Teacher Education)

SOCIAL STUDIES (SOS)

- 207 **Problems of a Multicultural Society. 3 hrs. I, II, S.**
An interdisciplinary analysis of the multicultural nature of American society and its problems, with emphasis on the problems of minority groups.
- 404 **Senior Seminar. 3 hrs. I or II.**
A capstone course designed for those preparing to teach social studies in the middle school and the high school. (PR: Admission to teacher education; CR: An educational methods course)

SOCIAL WORK (SWK)

(The Bachelor of Social Work program is housed in the School of Medicine.)

- 203 **Introduction to the Field of Social Work. 3 hrs.**
Introduction to the field of social work.
- 250 **Volunteerism and Social Work. 1 hr.**
Examination of social issues, social activism, civic responsibility, values, historical perspectives, and strategies for social change with 40 hour community service component.
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Selected topics not covered in regular course offerings. (PR: Majors only)
- 307 **Child Welfare. 3 hrs.**
Examination of child welfare issues, services, and interventions. (PR: SWK 203, or permission of instructor)
- 310 **Human Behavior and Social Environment I. 3 hrs.**
Integration of biological, psychological, social and cultural aspects of the individual's growth and development from prenatal period through adolescence including the impact the social environment has on the individual. (PR: BSC 105, SOC 200, PSY 201, SWK 203, ENG 101, ENG 102 or permission of instructor. CR: SWK 320, 330, 340, or permission of instructor)
- 312 **Human Behavior and the Social Environment II. 3 hrs.**
Integration of biological, psychological, social and cultural aspects of the individual's growth and development from early through later adulthood including impact of social environment on the individual. Organizational theory included. (PR: BSC 105, SOC 200, PSY 201, SWK 203, 310, 320, 330, 340, or permission from instructor; CR: SWK 322, 332, 370, or permission from instructor)
- 320 **Social Work Practice I. 4 hrs.**
Generalist Social Work Practice with populations and institutions of Appalachia. Professional development, information gathering, and assessment across various size systems (PR: SWK 203 or permission of instructor. CR: SWK 310, 330, 340 or permission of instructor) For Social Work majors only.
- 322 **Social Work Practice II. 4 hrs.**
Generalist Social Work Practice with populations and institutions of Appalachia. Planning, intervention evaluation and termination across various size systems. (PR: SWK 203, 310, 320, 330, 340 or permission of instructor. CR: SWK 312, 332, 370 or permission of instructor) For Social Work majors only.
- 330 **Social Welfare Issues in Appalachia. 3 hrs.**
The development of Social Welfare as a continuing institution. Rural poverty and other critical social issues in Appalachia. (PR: ECN 250, PSC 202, SWK 203, or permission of instructor. CR: SWK 310, 320, 340, or permission of instructor)
- 332 **Social Welfare Policy and Legislation. 3 hrs.**
Policy formulation, implementation and analysis. Examination and critical analysis of social welfare policies, legislation, and administration. (PR: ECN 250, PSC 202, SWK 203, SWK 330, SWK 340 or permission of instructor. CR: SWK 312, 322, 370 or permission of instructor)
- 340 **Social Work Research. 3 hrs.**
Introduction to Social Work Research with preparation for evaluation of generalist practice. (PR: SWK 203 MTH 121 or above excluding 400 and 401 or permission of instructor. CR: SWK 310, 320, 330)
- 370 **Practicum I. 3 hrs. CR/NC**
Supervised field experience in a social agency or organization for minimum of 100 clock hours. Regular conferences with instructor and weekly seminars. (PR: SWK 203, 310, 320, 340. CR: SWK 312, 322, 332)

- 473 Practicum II. 12 hrs. CR/NC**
Supervised field experience in a social agency or organization for minimum of 400 clock hours. Regular conferences with instructor and weekly seminars. (PR: SWK 203, 310, 312, 320, 322, 330, 332, 340, 370)
- 475 Social Work Capstone Seminar. 3 hrs.**
A capstone course integrating coursework and field work as preparation for beginning level of generalist Social Work practice. (PR: SWK 203, 310, 312, 320, 322, 330, 332, 340, 370, 473, writing requirements). This course is taken the last regular semester before graduation.
- 480-483 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.** Study of topics of interest not covered in regularly scheduled classes.
- 485-488 Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.** Individual study of topics not offered in regularly scheduled courses. Advance permission required.
- 495H-496H Readings for Honors in Social Work. 2-4; 2-4 hrs.**
Open only to social work majors of outstanding ability. See Honors Courses.

SOCIOLOGY (SOC)

- 108 Marriage Relations. 3 hrs.**
A functional course in the personal, social, and cultural factors involved in courtship and marriage.
- 200 Introductory Sociology. 3 hrs.**
Introduction to the study of human society.
- 200H Introductory Sociology, Honors. 3 hrs.**
Introduction to sociology for the superior student. (PR: ACT scores of 26+ or a GPA of 3.2)
- 280-283 Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Selected topics not covered in regular course offerings. (PR: SOC 200)
- 297-298 Instructional Television Course. 1-4 hrs.**
A course based upon an Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the department.
- 300 Social Organization. 3 hrs.**
Analysis of sociological conceptual systems and theories. (PR: SOC 200)
- 310 Individual and Society. 3 hrs.**
Study of sociological perspectives on social interaction and the relationship between the individual and society. (PR: SOC 200)
- 311 Deviance and Social Control. 3 hrs.**
Study of the basic concepts and theories regarding deviant behavior and the mechanisms of social control. (PR: SOC 200)
- 313 Contemporary Social Issues and Problems. 3 hrs.**
Analysis of current social issues and problems from a variety of sociological perspectives. Issues and problems will vary from semester to semester. (PR: SOC 200)
- 330 Sociology of Community Health. 3 hrs.**
An investigation of those social institutions and environmental, social, and personal factors in the community to maintain health and provide support in illness as related to social theory. (PR: SOC 200)
- 342 American Society. 3 hrs.**
Sociological analysis of the basic social and cultural features of contemporary American society. (PR: SOC 200)
- 344 Social Research I. 3 hrs.**
Introduction to systematic social research methodology. (PR: SOC 200)
- 345 Social Statistics I. 3 hrs.**
Introduction to statistical analysis of social data.
- 360 Sociological Perspectives. 3 hrs.**
Introduction to the dominant theoretical perspectives in sociology examining the assumptions about human nature, society and sociology that constitute each theoretical tradition. (PR: SOC 200)
- 375 Social Stratification. 3 hrs.**
Introduction to the analysis of structured social inequality with emphasis on the dimensions of social class, race and gender (PR: SOC 200)
- 401 Population and Human Ecology. 3 hrs.**
The course focuses on population and its relation to characteristics of environment. Specifically, it is designed to discuss the interaction of population processes and resources. (PR: SOC 200)
- 403 Social Research II. 3 hrs.**
Intermediate social research methodology with emphasis on research design. (PR: SOC 344 and 345, or departmental permission)

- 408 **The Family. 3 hrs.**
Theoretical analysis of the family as a primary social institution. (PR: SOC 200)
- 413 **Social Movements and Social Change. 3 hrs.**
Analysis of large-scale social change, including intentional social movements and revolutions. (PR: SOC 200)
- 420 **Criminology. 3 hrs.**
An overview of sociological criminology, including an examination of explanations of criminal behavior, types of criminal activity, and an analysis of the criminal justice system. (PR: SOC 200 and 311 or permission)
- 421 **Sociological Theory. 3 hrs.**
Examination of the emergence and development of theoretical orientations in Sociology (PR: SOC 200)
- 423 **Social Class, Power and Conflict. 3 hrs.**
Theoretical analysis of economic and political inequality and the role of social conflict in the process of large-scale social organization. (PR: SOC 200)
- 425 **Race and Ethnicity. 3 hrs.**
Diverse theoretical approaches to the meaning of race and ethnicity and the character of racial/ethnic relations, with substantive focus primarily on the U.S. (PR: SOC 200)
- 428 **Medical Sociology. 3 hrs.**
Analysis of the social organization of medicine and related health delivery services. (PR: SOC 200)
- 432 **Sociology of Appalachia. 3 hrs.**
Study of the economics, politics, and social relations of Appalachia, including contemporary debates over development in the region. (PR: SOC 200)
- 433 **Industrial Sociology. 3 hrs.**
Study of the organization and structure of the work place as a social system; the meaning and organization of work; managerial functions; management-labor relations; and human relations in industry. (PR: SOC 200)
- 435 **Juvenile Delinquency. 3 hrs.**
A sociological analysis of juvenile crime, including a review of the origins of juvenile delinquency, an evaluation of causal theories, and an overview of the juvenile justice system. (PR: SOC 200, SOC 311 or permission)
- 440 **Introduction to the Sociology of Aging. 3 hrs.**
An introduction to the social processes and consequences of growing older for both the individual and society. (PR: SOC 200)
- 442 **Urban Sociology. 3 hrs.**
The sociology of urban and metropolitan communities. (PR: SOC 200)
- 443 **Evaluation Research. 3 hrs.**
Analysis and application of theories and methods for assessing the outcomes of applied organizational services and programs to affect change in people and/or social conditions. (PR: SOC 200)
- 445 **Social Statistics II. 3 hrs.**
Intermediate level statistical analysis, including analysis of variance and covariance. 2 lec-2 lab. (PR: SOC 345 or departmental permission)
- 450 **Sociology of Religion. 3 hrs.**
Sociological analysis of religion as a social institution. (PR: SOC 200. Same as Religious Studies 450)
- 452 **Sociology of Death and Dying. 3 hrs.**
Study of death and dying as a societal and cultural phenomenon. Explores how institutions within our society deal with death. (PR: SOC 200)
- 455 **Sociology of Sex and Gender. 3 hrs.**
Analysis of social differentiation and inequality by gender, with a focus on the contemporary U.S. (PR: SOC 200)
- 460 **Holocaust and Genocide. 3 hrs.**
An examination of the Holocaust and other genocides from an interdisciplinary social science perspective. (PR: SOC 200)
- 464 **Complex Organizations. 3 hrs.**
Analysis of complex organizations with special attention given to bureaucratic organization. (PR: SOC 200)
- 470-471 **Field Experience in Applied Sociology. 3; 3 hrs.**
Supervised field work in public or private agencies affording students an opportunity to apply sociological knowledge and skills in addressing practical problems. (PR: SOC 200)
- 475 **Senior Seminar. 3 hrs.**
A capstone course drawing together the major areas of sociology to form an integrated picture of the field. Capstone experience. (PR: Graduating senior in sociology)

- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
Study of topics of interest not covered in regularly scheduled courses. (PR: Permission)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
Individual study of topics not offered in regularly scheduled courses. Advance permission required. (PR: Permission)
- 495H-496H **Readings for Honors in Sociology. 2-4; 2-4 hrs. I, II.**
Open only to sociology majors of outstanding ability. See Honors Courses.
- 497-498 **Instructional Television Course. 1-4 hrs.**
A course based upon an Instructional Television Series broadcast by public television. The student is responsible for viewing the series on the air and satisfying all course requirements announced by the department.

SPANISH (SPN)

- 101-102 **Introductory Spanish. 3; 3 hrs. I, II, S.**
Pronunciation, vocabulary and basic language structures. For students with no foreign language experience. (PR for SPN 102: SPN 101)
- 112 **Elementary Spanish. 3 hrs. I, II.**
Emphasis on oral communication and listening comprehension, some reading and writing. Students completing the course with a grade of C or better are awarded three additional hours of credit toward graduation. (PR: two years or more of high school Spanish)
- 203 **Intermediate Spanish. 3 hrs. I, II, S.**
Emphasis on oral and written communication. Conversation and composition. Intermediate language structures. (PR for SPN 203: SPN 102 or SPN 112 or departmental examination)
- 204 **Intermediate Spanish. 3 hrs. I, II, S.**
Development of practical conversational skills, reading for comprehension, and directed compositions. (PR for SPN 204: SPN 203 or three or four units of high school Spanish or departmental examination)
- 240 **Spanish Society and Life. 3 hrs. I or II.**
Study of selected topics relating to culture and life in the Spanish-speaking countries. Lectures, readings, and discussions in English. No prerequisite.
- 280-283 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: SPN 204)
- 310-311 **Advanced Conversation. 3; 3 hrs. I, II.**
Conversation and discourses in Spanish on selected topics. Courses conducted in Spanish. (PR for either SPN 310 or SPN 311: SPN 204)
- 314 **Studies in Language Laboratory Techniques. 3 hrs. II.**
Training in the use of laboratory equipment. Clinical practice in the use of laboratory facilities. 2 hour lab to be arranged. Open to education majors only. (PR: SPN 204)
- 315 **Advanced Grammar and Composition I. 3 hrs.**
A detailed analysis of Spanish syntax and shades of meaning, with the writing of original compositions in Spanish to perfect the student's own style. (PR: SPN 204)
- 316 **Advanced Grammar and Composition II. 3 hrs.**
A detailed analysis of Spanish syntax and shades of meaning, with the writing of original compositions in Spanish to perfect the student's own style. (PR: SPN 204)
- 318 **Survey of Spanish-American Literature. 3 hrs.**
Readings from representative Spanish-American authors with reports and class discussions; from the Colonial period to the present. (PR: SPN 204)
- 319 **Survey of Spanish Peninsular Literature. 3 hrs.**
Readings from representative Spanish authors with reports and class discussions; from El Cid to the present. (PR: SPN 204)
- 321 **The Spanish Short Story. 3 hrs.**
A study of the short story form, from the medieval tales to the present, through readings, lectures and reports on selected authors. (PR: SPN 204)
- 402 **Contemporary Latin American Prose Fiction. 3 hrs.**
Readings, lectures, discussions, and reports in Spanish on the major figures in contemporary Spanish American prose. (PR: SPN 204)
- 403 **Twentieth Century Spanish Drama. 3 hrs.**
A survey of the developments in the Spanish Theatre dealing essentially with the readings and analytical study of the most representative works of leading dramatists during the Twentieth Century. Spanish focus will be devoted to the Theatre of Paradox and Social Protest, Theatre of Absurd, Theatre of Evasion and Underground drama. (PR: SPN 319)

- 405 **Latin American Civilization. 3 hrs. I.**
A study of the civilization of the Latin-American countries and their contributions to world culture. Lectures, discussions and reports. This course is taught strictly in Spanish. (PR: SPN 204)
- 406 **Hispanic Civilization. 3 hrs. II.**
A study of the civilization of Spain and its contributions to world culture. Lectures, discussions, and reports. This course is conducted strictly in Spanish. Capstone experience. (PR: SPN 204)
- 480-483 **Special Topics. 1-4; 1-4; 1-4; 1-4 hrs. I, II.**
Independent research for qualified students. (PR: SPN 204 and permission of instructor)
- 485-488 **Independent Study. 1-4; 1-4; 1-4; 1-4 hrs.**
(PR: SPN 204 and permission of instructor)
- 495H-496H **Readings for Honors in Spanish. 4; 4 hrs. I, II.**
Open only to outstanding majors. See Honors Courses.

THEATRE (THE)

- 101 **Introduction to Theatre. 3 hrs.**
Fundamentals of theatre arts.
- 112 **Theatre Appreciation. 3 hrs. I, II, S.**
Development of an appreciation and an understanding of theatre as a fine art. For non-theatre majors.
- 150 **Introduction to Technical Theatre. 2 hrs.**
Introduction to scene design, lighting, set construction, and other aspects of technical production. 150 and 151 should be taken concurrently. 152 should be taken the following semester.
- 151-152 **Introduction to Technical Theatre Laboratory. I; 1 hr.**
Practical experience in building, painting, dressing, and lighting scenery. Work in conjunction with Marshall University Theatre productions.
- 220 **Stage Movement. 3 hrs.**
Exercises for flexibility and control; stage terms and techniques; pantomime; improvisation; manners and dances from major theatrical periods; and acting scenes with usual movement.
- 221 **Stage Voice and Dialects. 3 hrs.**
Vocal techniques for the actor, including the study of dialects
- 222 **Acting III: Scene Study. 3 hrs.**
Development of skill through exercises and analytical study of scenes. (PR: THE 220 and 221 or permission of instructor)
- 225 **Creative Dramatics. 3 hrs.**
Methods and techniques of creation of informal drama for all ages.
- 230 **Auditioning Techniques. 3 hrs.**
Techniques of auditioning for stage plays and musicals. (PR: THE 222)
- 250 **Introduction to Costuming. 3 hrs.**
The history, design, and construction of theatrical costumes.
- 255 **Stage Makeup. 2 hrs.**
The application of script analysis to determine appropriate straight, corrective, aged, and/or character makeup designs. Practical knowledge of anatomical structure, drawing, pancake, latex prosthetics and facial hair are utilized. (PR: THE 150)
- 260 **Theatrical Drafting and Rendering. 3 hrs.**
The application of drafting and rendering conventions utilized in the planning and execution of theatrical productions. Mechanical drawing, computer assisted drawing, freehand sketching and color application techniques will be employed. (PR: THE 150, 151)
- 261 **Stage Decor. 3 hrs.**
A historical view of period style, furniture, accessories and motifs as they relate to interior decoration and architecture. Student renderings of documented research will constitute portfolio for subsequent design and applications.
- 270 **Theatre Practicum. 1 hr.**
Acting, directing, or technical work in Marshall University Theatre productions. Register only with permission of instructor. Open to all students. May be repeated for a total of four hours.
- 320 **Acting Styles. 3 hrs.**
Interpretation of roles from classical, romantic, neoclassical, and modern plays. (PR: THE 222)
- 322 **Advanced Stage Dialects and Accents. 3 hrs. I.**
Study and practice of dialects and accents that are commonly used in acting plays. (PR: THE 221)
- 325 **Readers Theatre. 3 hrs.**
Oral interpretation of dramatic text with emphasis on public performance. (PR: THE 220, 221)

- 350 **Stage Lighting I. 3 hrs.**
Play analysis, production concepts, elementary electricity, lighting instrumentation, color theory, intensity control, mechanical and AutoCAD drawing, cueing, and design documentation are utilized for lighting proscenium designs. Student light plots required. (PR: THE 150, 151 and 152)
- 355 **Costume Design. 3 hrs.**
Practical and psychological aspects of design. Study of design theory, script analysis, rendering techniques, fabric choices. Development of designs from initial concept to final renderings. (PR: THE 250)
- 356 **Costume Construction. 3 hrs.**
A hands-on approach to the techniques of theatrical costuming. Period method by machine and hand, industrial machine, and some pattern making. Work on classroom projects and university productions. (PR: THE 250)
- 360 **Scene Design I. 3 hrs.**
Practical application of aesthetic and technical principles of scene design for the proscenium stage. Script analysis, production concepts, architectural research, mechanical and autoCAD drawings, white models, painter's elevations are utilized. (PR: THE 150, 151 and 152)
- 361 **Theatrical Scene Painting. 3 hrs.**
Exploration of various techniques utilized by scenic artist including the generation of painter's evaluations, interpretive design renderings, estimating scenic demands, media selection, and execution of designs in full scale. (PR: THE 261 or permission of instructor)
- 362 **Stage Management. 3 hrs.**
The responsibilities of stage management are explored to prepare students entering the profession. Principles and practices of stage management are applied through scheduling, budgeting, running, cueing, and safety. (PR: THE 150 and 350 or permission of instructor)
- 370 **Theatre Practicum. 1 hr.**
Acting, directing, or technical work in Marshall University Theatre productions. Register only with permission of instructor. (PR: Open only to Theatre Majors.) May be repeated for a total of four hours.
- 410 **Playwriting. 3 hrs.**
Study of dramatic structure, characterization, dialogue, themes, sounds, and spectacle, including the writing of one-act plays. (PR: THE 101 or permission of instructor)
- 420 **Acting for Musical Theatre. 3 hrs.**
Analysis of musical scripts, study of spoken and musical scenes, staging musical numbers, and preparation of audition material. (PR: THE 222)
- 421 **Acting for the Camera. 3 hrs.**
Projects in acting for the camera. Video taping of selected acting exercises. (PR: THE 222)
- 423 **Stanislavski System Acting. 3 hrs.**
Study of the Stanislavski System of acting and using it in preparing and performing excerpts from plays. (PR: THE 222)
- 437 **Directing I. 3 hrs.**
Introduction to theories, principles, techniques, and history of directing. (PR: THE 150, 151, 152 and 222)
- 438 **Directing II. 3 hrs.**
In-depth study of directorial approaches. Analysis of contemporary movements and leaders in the field. Students must stage productions as part of class requirement. (PR: THE 437)
- 440 **Theatre History to 1660. 3 hrs.**
Survey of man's activities in the theatre from primitive times to 1660. (PR: THE 101 or permission of instructor)
- 441 **Theatre History Since 1660. 3 hrs.**
Survey of man's activities in the theatre from 1660 to present. (PR: THE 101 or permission of instructor)
- 450 **Stage Lighting II. 3 hrs.**
Advanced study in lighting design principles utilized for non-proscenium stages and/or impressionistic productions will be emphasized. Combined visual, manual and computer generated documentation will comprise portfolio for final critique. (PR: THE 350)
- 460 **Scene Design II. 3 hrs.**
Advanced work in the process and styles of design for the stage. Abstraction, non-traditional materials and computer design utilization for various theatre forms will provide portfolio documentation for final critique. (PR: THE 261, 360)
- 480 **Special Topics in Theatre. 1-4 hrs.**
Program of study not normally covered in other courses. Topics vary from semester to semester.
- 485-488 **Independent Study. 1-4; 1-4; 1-4 hrs.**
Courses taught by tutorials; directed independent readings or research; problem reports, and other activities designed to fill the needs of individual students. (PR: Permission of chairman)

- 490 **Theatre Internship. 1-4 hrs.**
Supervised off-campus contractual work-study arrangement with external agencies or theatrical institutions. (PR: Permission of chairman)
- 491-494 **Theatre Workshop. 1-4; 1-4; 1-4; 1-4 hrs.**
Practical, participatory courses for advanced students and professionals. Experience in new techniques, theories, and principles. (PR: Permission of instructor)
- 495H-496H **Honors in Theatre. 1-3; 1-3 hrs.**
Readings for honors in theatre. (PR: Permission of chair)
- 499 **Senior Capstone Project. 3 hrs.**
The capstone project serves to demonstrate the student's proficiency in the major field of study. It is the culmination of coursework in the concentration (performance, directing, design, playwriting, stage management, etc.) (PR: permission of instructor)

UNIVERSITY HONORS (HON)

Honors Seminar Substitution for a Department Major Requirement or a College General Education Requirement. Substitution of an Honors seminar for a department major requirement or a college general education requirement should be requested before the course begins, or no later than the completion of the course. No such request will be honored during the second semester of the senior year. See the Executive Director, CAE (Old Main 230), for instructions and necessary forms.

- 101 **Introduction to Honors. 1 hr. I.**
Students meet their peers, learn about the Honors Program, and through small group discussion talk about college life and plan their academic future. Enriched section of New Student Seminar. (PR: ACT 26 and 3.3 GPA)
- 150 **Critical Issues. 4 hrs. II.**
Study and critical analysis of thought-provoking reading material. Examination of logical reasoning versus fallacious reasoning. Designed to prepare the student for critical thinking in subsequent honors courses. (PR: 3.3 GPA)
- 195-197 **Interdisciplinary Honors. 4; 4; 4 hrs.**
(195, Science and the Arts; 196, The American Experience; 197, Ideas in Social Sciences). These courses are subject to periodic changes in content. (PR: 3.3 GPA)
- 294 **Interdisciplinary Honors. 4 hrs.**
Ideas in Social Science. This course is subject to periodic changes in content. (PR: 3.3 GPA)
- 295 **Interdisciplinary Honors. 4 hrs.**
Ideas in Natural Science. This course is subject to periodic changes in content. (PR: 3.3 GPA)
- 296 **Interdisciplinary Honors. 4 hrs.**
Ideas in the Humanities. This course is subject to periodic changes in content. (PR: 3.3 GPA)
- 395-396 **Interdisciplinary Honors. 4; 4 hrs.**
Open to distinguished sophomores and upperclassmen of the undergraduate colleges and schools. Course content varies each semester. (PR: 3.3 GPA)
- 480-483 **Special Topics. 1-4 hrs.**
A study of special topics not listed under current course offerings. (PR: 3.3 GPA)
- 495H-496H **Departmental Readings for Honors.**
See individual departmental listings.

WOMEN'S STUDIES (WS)

- 101 **Introduction to Women's Studies.**

YEAGER SCHOLARS (YGS)

- 161 **Seminar in Communications and Computers. 5 hrs.**
Development of skills in oral communication; knowledge of the nature and impact of the mass media; ability to use the computer as a tool of communication and research.
- 162 **Seminar in Humanities, Texts, and Values. 5 hrs.**
Explores values in the life of the individual and society; examines ideas and modes of inquiry common to the humanities by exploring the works of selected Western thinkers.
- 271 **Seminar in Theories of Natural and Social Sciences and Statistics. 5 hrs. ISC credit.**
Introduction to the nature of scientific thought, methods, and theories in the natural and social sciences; explores concepts in statistics relevant to the development of hypotheses and theories.
- 272 **Seminar in Arts and History. 5 hrs. WAC credit.**
Introduction to the nature of the arts and their role in societies; understanding the nature and value of history.



The Faculty

ACCOUNTANCY AND LEGAL ENVIRONMENT

Professor

Gary J. Saunders, D.B.A., C.P.A.; Joseph M. Stone Jr., J.D.

Associate Professor

Neal G. Adkins, M.A. (C.P.A., Division Head); Woodrow H. Berry, J.D., L.L.M.; Patricia A. Broce, D.B.A. (CPA); Bruce P. Conrad, M.B.A. (C.P.A., C.F.P.); Robert F. Forçét, M.B.A. (C.P.A.); Steven T. Jakubowski, Ph.D.; Anna Lee Meador, D.B.A. (C.P.A.)

Assistant Professor

Connie Esmond-Kiger, Ph.D.; Suneel K. Maheshwari, Ph.D.; Walter Smith, Ph.D.;

Instructor

Carolyn Conner, M.B.A. (C.P.A.)

ADULT AND TECHNICAL EDUCATION

Professor

Howard R. D. Gordon, Ed.D.; Le Vene A. Olson, Ed.D. (div. chair); Clara C. Reese, Ed.D.

Associate Professor

Laura Wyant, Ph.D.

Assistant Professor

Betty A. Sias, M.S.

ART

Professor

Earline Allen, M.F.A.; Michael I. Cornfeld, M.F.A.; Robert Lemon, Ph.D.; Robert E. Rowe, M.F.A.; Donald Van Horn, M.F.A. (Dean, College of Fine Arts); Stanley Sporny, M.F.A.

Associate Professor

Mary Grassell, M.F.A.; Susan G. Jackson, Ph.D.; Beverly T. Marchant, Ph.D.; Peter Massing, M.F.A.; Susan Power, Ed.D.

BIOLOGICAL SCIENCES

Professor

Dean Adkins, Ph.D.; Franklin L. Binder, Ph.D.; Harold Wayne Elmore, Ph.D.; Dan K. Evans, Ph.D.; Ronald E. Gain, Ph.D.; Frank Gilliam, Ph.D.; Marcia Harrison, Ph.D. (acting chair); Mary Etta Hight, Ph.D.; James E. Joy, Ph.D.; E. Bowie Kahle, Ph.D.; Michael L. Little, Ph.D.; Thomas Pauley, Ph.D.; Michael E. Seidel, Ph.D.; Thomas A. Storch, Ph.D. (Dean, College of Science); Donald C. Tarter, Ph.D.; Ralph W. Taylor, Ph.D. (Assoc. Dean, College of Science); Thomas E. Weaks, Ph.D.

Associate Professor

Margaret A. Bird, Ph.D.; James O. Brumfield, Ph.D.; Victor Fet, Ph.D.; David Mallory, Ph.D.; Jeffrey May, Ph.D.; Suzanne Strait-Holman, Ph.D.

Assistant Professor

Charles C. Somerville, Ph.D.

CHEMISTRY

Professor

Gary D. Anderson, Ph.D.; Daniel P. Babb (chair), Ph.D.; John L. Hubbard, Ph.D.; John W. Larson, Ph.D.; Michael L. Norton, Ph.D.

Associate Professor

Michael P. Castellani, Ph.D.; Lawrence Schmitz, Ph.D.

Assistant Professor

Leslie Meadows, Ph.D.; Robert Morgan, Ph.D.; William D. Price, Ph.D.; J. Graham Rankin, Ph.D.

CLASSICAL STUDIES

Professor

Charles O. Lloyd, II, Ph.D.

Associate Professor

Caroline A. Perkins (chair), Ph.D.

CLINICAL LABORATORY SCIENCES

Associate Professor

Bruce J. Brown, Ed.D. (prog. director); Dorothy Fike, M.S.

Assistant Professor

Brenda Pinkerman, M.S.

COMMUNICATION DISORDERS

Associate Professor

Kathryn H. Chezik (chair), M.A.T.; Pamela Gardner, Ph.D., Margaret Rotter, Ph.D.

Assistant Professor

Willie Flannery, M.A.; Karen L. McComas, M.A.; Karen McNealy, M.A.; Beverly Miller, M.A.; Mary Beth Reynolds, Ph.D.; Elizabeth Simmons, M.A.; Susan W. Sullivan, M.A.

COMMUNICATION STUDIES

Professor

Robert B. Bookwalter, Ph.D.; Camilla Brammer, Ph.D.; William N. Denman, Ph.D.; Robert F. Edmunds, Ph.D.; Bertram W. Gross (chair), Ph.D.

Associate Professor

Kristine Greenwood, Ph.D.; Edward H. Woods, Ph.D.

Assistant Professor

Edwin C. McCarnes, M.A.; Toshiyuki Kikuchi, Ph.D.

COMPUTER SCIENCE AND SOFTWARE DEVELOPMENT

Professor

Jamil Chaudri, Ph.D.; Herbert Tesser, Ph.D.; David Walker, Ph.D.

Associate Professor

Nostratollah Chahryar-Namini, Ph.D.

COUNSELING

Professor

Lawrence W. Barker, Ed.D.; Violette C. Eash, Ph.D. (prog. coord.); Donald L. Hall, Ed.D.; William A. McDowell, Ph.D.

Associate Professor

Karen P. Baker, M.S.; Roger E. Keener, Ed.D.

Assistant Professor

David A. Hermon, Ph.D.

CRIMINAL JUSTICE

Professor

Margaret Phipps Brown, J.D.; Samuel L. Dameron, Ph.D.

Associate Professor

Richard H. Moore (chair), Ph.D.

Assistant Professor

Robert E. Grubb, Jr., Ph.D.

CURRICULUM AND INSTRUCTION

(See Education)

CYTOTECHNOLOGY

Associate Professor

Bruce J. Brown (prog. director), Ed.D.

Clinical Assistant Professor

Margene Smith, B.S., C.T., (ASCP); Carolyn Stevens, B.S., C.T. (ASCP)

Clinical Instructor

Donna Deaton, B.S., C.T. (ASCP); Joseph Saxton, B.S., C.T. (ASCP)

DIETETICS

Associate Professor

Jane U. Edwards, Ph.D.

Assistant Professor

Kelli J. Williams, M.A..

EDUCATION

Professor

Robert S. Angel, Ph.D. (prog. coord.); Robert Bickel, Sr., Ph.D.; Robert J. Evans, Ed.D.; Susan T. Ferrell, Ed.D.; Barbara P. Guyer, Ed.D.; Carl S. Johnson, Ph.D. (acting chair); Arthur S. Maynard, Ph.D.; Jane McKee, Ed.D.; Edwina Pendarvis, Ed.D.; Linda Spatig, Ed.D.; Taylor E. Turner, Jr., Ed.D.; Tony L. Williams, Ed.D. (assist. div. chair).

Associate Professor

Neil V. Arneson, Ed.D.; George Arthur, Ph.D.; Steven R. Banks, Ed.D.; Maudie Karickhoff, Ed.D.; Paula L. Lucas, Ed.D. (prog. coord.).

Assistant Professor

Nancy W. Hanger, Ph.D.; William J. Iddings, M.A.; William H. Paynter, Ph.D.; Emma Sue Smith, M.A.; James M. Sottile, Ed.D. (prog. coord.).

ENGINEERING

Professor

Richard D. Begley (chair), Ph.D.

Assistant Professor

E. David Cartwright, M.S.

ENGLISH

Professor

Leonard J. Deutsch (Dean, Grad. Sch.), Ph.D.; Loraine Duke, Ph.D.; Lee E. Erickson, Ph.D.; Shirley A. Lumpkin, Ph.D.; John McKernan, Ph.D.; Joan T. Mead (Dean, COLA), Ph.D.; William C. Ramsey, Ph.D.; James D. Riemer, Ph.D.; Arthur E. Stringer (chair), M.F.A.; Edmund M. Taft, Ph.D.; John W. Teel, Ph.D.

Associate Professor

Richard Badenhausen, Ph.D.; David Hatfield, Ph.D.; Gwenyth Hood, Ph.D.; Dolores Johnson, Ph.D.; Nancy Lang, Ph.D.; Elizabeth H. Nordeen, M.A.; Michele Schiavone, Ph.D.; David E. Stooke, Ph.D.; John Van Kirk, M.F.A.

Assistant Professor

Kellie Bean, Ph.D.; Timothy Burbery, Ph.D.; Christine Darrohn, Ph.D.; Amy Hudock, Ph.D.; Mary Moore, Ph.D.; Donna Pasternak, Ph.D.; Katharine Rodier, Ph.D.; Kateryna Schray, Ph.D.; Jennifer Shelton, Ph.D.

(continued)

FINANCE AND ECONOMICS

Professor

Roger L. Adkins (Division Head), Ph.D.; Ramchandra Akkihal, Ph.D.; Michael L. Brookshire, Ph.D.; Dallas Brozik, Ph.D.; William E. Cobb, Ph.D.; Don P. Holdren, Ph.D.

Associate Professor

Nicholas C. Kontos, M.A.; Steve Shuklian, Ph.D.; Harlan M. Smith II, Ph.D.; Allen J. Wilkins, Ph.D.; Alina Zapalska, Ph.D.

Assistant Professor

Mark Burton, Ph.D.; Michael Newsome, Ph.D.; Kathleen Vinlove, Ph.D.

FAMILY AND CONSUMER SCIENCES

Professor

Susan C. Linnenkohl, Ph.D.

Associate Professor

Mary Jo Graham, Ph.D. (dir. nursery sch., prog. coord.); Glenda Lowry, Ph.D.

GEOGRAPHY

Professor

Mack H. Gillenwater, Ph.D.

Associate Professor

Allen R. Arbogast (chair), Ph.D.; Margaret Gripshover, Ph.D.

Assistant Professor

Larry G. Jarrett, M.A.; Christa Smith, M.A.

GEOLOGY

Professor

Richard B. Bonnett, Ph.D.; Protip K. Ghosh, Ph.D.; Ronald L. Martino, Ph.D.; Dewey D. Sanderson, Ph.D. (chair)

HEALTH, PHYSICAL EDUCATION AND RECREATION

Professor

C. Robert Barnett (div. chair), Ph.D.; Raymond L. Busbee, Ph.D. (prog. coord.); Ronald L. Crosbie, Ed.D. (prog. coord.); William Marley, Ph.D.; Sandra D. Parker, Ph.D.; Betty R. Roberts, Ed.D.; Terry Shepherd, Ph.D.

Associate Professor

Mary E. Marshall, Ed.D.; Robert C. Saunders, Ph.D. (prog. coord.)

Assistant Professor

John R. Kiger, Re.D.; Bruce P. McAllister, M.S.

HISTORY

Professor

Charles W. Cox, Ed.D.; David C. Duke, Ph.D.; Alan B. Gould (Exec. Dir. Drinko Center), Ph.D.; Frances S. Hensley, Ph.D. (Assistant V.P. for academic affairs); Paul Lutz, Ph.D.; Robert F. Maddox, Ph.D.; William G. Palmer, Ph.D.; Frank S. Riddel, Ph.D.; Robert D. Sawrey (chair), Ph.D.; Donna J. Spindel, Ph.D. (Associate Dean - COLA); David R. Woodward, Ph.D.

Associate Professor

Charles F. Gruber, M.A.

Assistant Professor

Montserrat M. Miller, Ph.D.; David Mills, Ph.D.

INSTRUCTIONAL TECHNOLOGY AND LIBRARY SCIENCE

Professor

Larry Froehlich (Executive Dean, COEHS), Ed.D.

INTEGRATED SCIENCE AND TECHNOLOGY

Professor

Michael Little, Ph.D.

Associate Professor

Hisham Al-Haddad, Ph.D.

JOURNALISM AND MASS COMMUNICATION

Professor

George T. Arnold, Ph.D.; Harold Shaver (Dean), Ph.D.; Ralph J. Turner, Ph.D.

Associate Professor

Charles G. Bailey (Fac. Mgr., WMUL-FM), Ed.D.; Corley F. Dennison, III., Ed.D.; Janet L. Dooley, M.S.; Dwight Jensen, M.A.; Rebecca J. Johnson, M.A.J.; H. Keith Spears (Dir., University Communications), Ed.D.

Assistant Professor

William R. Bobbitt, M.A.; Marilyn McClure, M.A. (Adviser, The Parthenon); Dennis C. Lebec, M.A.

MANAGEMENT AND MARKETING

Professor

Joseph Abramson, Ph.D.; Robert P. Alexander, Ph.D. (Distinguished Professor of Management); W. Blaker Bolling, D.B.A.; Chong W. Kim (Div. Head), Ph.D.; Earl Damewood, Ph.D.; Suzanne B. Desai, Ph.D.; Marjorie Lynn McInerney, Ph.D.; John Wallace, Ph.D.

Associate Professor

Bob S. Brown, Ph.D.; Juett R. Cooper, Ph.D.; D. Stephen Cupps, Ph.D.; Dennis C. Emmett, D.B.A.; Narasimhaiah Gorla, Ph.D.; Daesung Ha, Ph.D.; Deana Mader, Ph.D.; Frederick Mader, Ph.D.; Kurt Olmosk, Ph.D.; Phil Rutsohn, Dr.P.H.; Rick Weible, D.B.A.

Assistant Professor

Elizabeth Alexander, A.B.D.; Charles Braun, Ph.D.; Angela Hausman, Ph.D.; Anthony Keys, Ph.D.

MATHEMATICS**Professor**

Matthew Carlton, Ph.D.; David A. Cusick, Ph.D.; John Drost, Ph.D.; Bruce Ebanks (chair), Ph.D.; Steven H. Hatfield, Ed.D.; John S. Lancaster, Ph.D.; Charles V. Peele, Ph.D.; Evelyn Pupplo-Cody, Ph.D.; Gerald E. Rubin, Ph.D.; Judith Silver, Ph.D.

Associate Professor

Laura J. Adkins, Ph.D.; Ariyadasa Aluthge, Ph.D.; Karen Mitchell, M.A.

Assistant Professor

Deborah Denvir, Ph.D.; James Denvir, Ph.D.; Curtis Feist, Ph.D.; Alan Horwitz, Ph.D.; Joe Stickles, Ph.D.

Instructors

Nick Bedway, M.A.; Mike Godbey, M.A.; Laura Stapleton, M.S.

MILITARY SCIENCE**Professor**

LTC Stephen Redmond (division head)

Assistant Professor

MAJ John Block; CPT William Kinsey, CPT Michael Armstrong

Chief Instructor

MSG Kevin Godwin

MODERN LANGUAGES**Professor**

Christopher L. Dolmetsch, Ph.D.; Maria C. Riddel, Ph.D.; Nancy K. Stump, Ed.D.

Associate Professor

James T. McQueeney (chair), Ph.D.;

Assistant Professor

Carlos Lopez, Ph.D.; Maria C. Burgueno, Ph.D.; James Hammerstrand, Ph.D.; Eric Migernier, Ph.D.

MUSIC**Professor**

Paul A. Balshaw, D.M.A.; W. Edwin Bingham, D.M.A.; David H. Castleberry, D.M.A.; Wendell B. Dobbs, D.M.A.; W. Richard Lemke, Ph.D.; John H. Mead, D.M.A.; Ben F. Miller, D.M.A.; Marshall P. Onofrio (chair), D.M.A.; M. Leslie Petteys, D.M.A.; Elizabeth R. Smith, D.M.A.; Donald A. Williams, D.M.A.

(continued)

Associate Professor

Linda L. Dobbs, M.M.; Joy Ratliff, D.M.A.; Larry W. Stickler, D.M.A.; Leo Welch, D.M.A.; Baruch Whitehead, M.F.A.

Assistant Professor

John M. Allemeier, Ph.D.; James S. Hall, M.M.; Audrey Kaiser, M.A.; Susan Tephly, D.M.A.

NURSING

Professor

Madonna Combs, R.N., D.N.Sc.; Barbara Davis, R.N., Ph.D.; Denise Landry, R.N., Ed.D.; Giovanna B. Morton, R.N., Ed.D.; Linda M. Scott, R.N., Ph.D.; Judith Sortet, R.N., Ed.D.; Karen L. Stanley, R.N., D.N.Sc.; Diana Stotts, R.N., Ph.D.; Lynne Welch (Dean), R.N., Ed.D.

Associate Professor

Rebecca Appleton, R.N., Ph.D.; Lenora J. Rogers, R.N., M.A., M.S.N.; Robin Walton, R.N., M.S.N.

Assistant Professor

Peggy J. Baden, R.N., M.S.N.; Karen Bailey, R.N., M.S.N.; Nancy Fagan, R.N., M.S.N.; Lou Ann Hartley, R.N., M.S.N.; Deborah Meehan, R.N., M.S.N.; Becky D. Rider, R.N., M.S.N.

PHILOSOPHY

Professor

John N. Vielkind (chair), Ph.D.

Associate Professor

Jeremy Barris, Ph.D.

Assistant Professor

Jeffery Powell, Ph.D.

PHYSICS AND PHYSICAL SCIENCE

Professor

Richard J. Bady, Ed.D.; R. Elwyn Bellis, Ph.D.; Ralph E. Oberly, Ph.D.; Nicola Orsini (chair), Ph.D.; Wesley L. Shanholtzer, Ph.D.

Associate Professor

Thomas E. Wilson, Ph.D.

POLITICAL SCIENCE

Professor

Clair W. Matz, Ph.D.; Simon D. Perry, Ph.D.; Troy M. Stewart, Jr. (chair), Ph.D.

Drinko Professor

Jean Edward Smith, Ph.D.

Associate Professor

Robert W. Behrman, Ph.D.; W. Lynn Rigsbee, Ph.D.

Assistant Professor

Cheryl Brown, Ph.D.; Christine R. Henderson, Ph.D.

PSYCHOLOGY**Professor**

Martin J. Amerikaner (chair), Ph.D.; Elaine Baker, Ph.D.; Fred Krieg, Ph.D.; Marc A. Lindberg, Ph.D.; Steven P. Mewaldt, Ph.D.; Steve O'Keefe, Ph.D.; Stuart W. Thomas, Jr., Ph.D.; Robert Wilson, Ph.D.; Joseph Wyatt, Ph.D.

Associate Professor

Marianna Footo-Linz, Ph.D.; Tony Goudy, Ph.D.; Del Lawhon, Ph.D.; Christopher W. Legrow, Ph.D.; Helen E. Linkey, Ph.D.; James W. Moore, Jr. Ph.D.; Pamela Mulder, Ph.D.

RELIGIOUS STUDIES**Professor**

Clayton L. McNearney, Ph.D.

Associate Professor

Alan Altany, Ph.D.

SAFETY TECHNOLOGY**Professor**

D. Allan Stern, Ed.D. (prog. coord.)

Associate Professor

John A. Singley, Ph.D.

Assistant Professor

Paul E. Dillow, M.S.; N. Kumar Kittusamy, M.S.

SOCIAL WORK**Professor**

Girmay Berhie, Ph.D.

Associate Professor

Philip W. Carter, Jr., M.S.W.; Jody Gottlieb (chair), M.S.W.

SOCIOLOGY AND ANTHROPOLOGY**Professor**

Kenneth Ambrose (chair), Ph.D.; Lynda A. Ewen, Ph.D.; Nicholas P. Freidin, D. Phil.; William S. Westbrook, Ph.D.

Associate Professor

Gary A. Jarrett, M.A.; Karen L. Simpkins, Ph.D.

Assistant Professor

Richard Garnett, Ph.D.; Carolyn Uihlein Nilles, M.A.

TEACHER EDUCATION

(See Education)

THEATRE

Professor

Edward Leo Murphy, M.F.A.(chair)

Associate Professor

Eugene J. Anthony, M.A.; Joan St. Germain, M.F.A.

Assistant Professor

John Colclough, M.F.A.

UNIVERSITY LIBRARIES

Director of Health Science Library

Edward Dzierzak, M.S.L.S.

Professor/Librarian IV

Lisle G. Brown (Special Collections Curator), M.A., M.L.S.; Cora P. Teel (University Archivist), M.L.I.S., M.A. (art), M.A. (history); S. Kay Wildman (Music Librarian), M.L.S., M.M.

Associate Professor/Librarian III

Monica Brooks (Associate Director of Libraries/Technology Services & Planning), M.S.L.S.; Timothy Balch (Reference Services Librarian), M.L.S.; Kathleen Bledsoe (Special Collections Librarian), M.L.S., M.A.; David Gray (Collection Development Librarian), M.A., M.S.L.S.; Pamela Ford (Catalog Librarian/Technical Services Team Leader), M.S.L.S.; Robert W. Williams (HSL) (Public Services Librarian), M.L.S., M.A.; Jingping Zhang (Digital Resources/Automation Librarian), M.L.S.; Ronal Titus (Electronic Services Librarian), M.L.S., M.A.; Celene Seymour (MUGC) (Associate Director of Libraries), M.L.S., Ph.D.; Majed Khader (Government Documents Librarian), M.L.S., Ph.D.

Assistant Professor/Librarian II

Jennifer Sias (User Education Librarian), M.L.S.; Wendy Moorhead (Collection Access Librarian), M.L.S., M.A.T.; Rebecca Berg (Extension Services Librarian), M.L.S.; Steve Tipler (Reference/Information Delivery Librarian), M.B.A., M.L.S.; Peter Washkevich (Serials Librarian), M.L.S.; Lynne Edington (MUGC) (Public Services Librarian), M.S.L.S.; Karen Curtis (HSL) (Public Services Librarian), M.L.S.; Paris Webb (Collection Access Librarian) (Morrow), M.S.L.S., M.A.



University Calendar

Marshall University Academic Calendar for 1999-2000

FIRST SEMESTER 1999-2000

August 16, Monday - August 20, Friday	Registration/Schedule Adjustment	
August 21, Saturday, 9 a.m.	Residence Halls Open	
August 23, Monday, 8 a.m.	First Day of Classes	
August 23, Monday - August 27, Friday	Late Registration and Schedule Adjustment	
August 30, Monday	"W" Withdrawal Period Begins	
September 4 - September 6	University Computer Services Unavailable	
September 6, Monday	Labor Day Holiday - University Closed	
September 17, Friday	Application for December Graduation Due in Academic Dean's Office	
September 24, Friday	Last Day to Drop 1st 8 Weeks Courses	
October 12, Tuesday	Mid-Semester, 1st 8 Weeks Courses End	
October 13, Wednesday	2nd 8 Weeks Courses Begin	
October 18, Monday	Deadline for Submitting Freshmen Mid Term Grades	
October 29, Friday	Last Day to Drop a Full Semester Individual Course (November 1 - December 7)	Complete Withdrawals Only
November 8 - November 19	Advance Registration for Spring Semester for Currently Enrolled Students	
November 19, Friday	Last Day to Drop 2nd 8 Weeks Courses	
November 19, Friday, 6 p.m.	Residence Halls Close	
November 22 - December 10	Advance Registration for Spring Semester Open to All Admitted/Re-Admitted Students	
November 22, Monday - November 27, Saturday	Fall Break - Classes Dismissed	
November 25 - November 28	University Computer Services Unavailable	
November 25, Thursday	Thanksgiving Holiday - University Closed	
November 26, Friday	University Holiday - University Closed	
November 28, Sunday, Noon	Residence Halls Open	
November 29, Monday	Classes Resume	
December 1, Wednesday - December 7, Tuesday	"Dead Week"	
December 7, Tuesday	Last Class Day and Last Day to Completely Withdraw for Fall Semester	
December 8, Wednesday	Study Day - Exams for Wednesday Classes 3 p.m. and After Will be Held	
December 9, Thursday	Exam Day	
December 10, Friday	Exam Day	
December 11, Saturday	Exam Day for Saturday Classes	
December 12 - December 26	Advance Registration/ Schedule Adjustment for Spring Semester is Suspended	
December 13, Monday	Exam Day	
December 14, Tuesday	Exam Day	
	Fall Semester Closes - Official Graduation Date for Fall Semester	

SUMMER SESSIONS 2000

Session A

May 5, Friday, 8 a.m.-4 p.m.	Session A - Regular Registration
May 8, Monday	Session A - First Day of Classes
May 8, Monday 8 a.m.-4 p.m.	Late Registration and Schedule Adjustment Closes for Session A
May 26, Friday	Last Day to Drop an Individual Course
(May 30 - June 1)	Complete Withdrawals Only
May 27 - May 29	University Computer Services Unavailable
May 29, Monday	Memorial Day Holiday - University Closed
June 1, Thursday	Last Class Day - Last Day to Withdraw for Session A
June 2, Friday	Final Examination Day - Session A Ends
June 5, Monday	Deadline for Submitting Final Grades for Session A

Session B

May 12, Friday, 8 a.m.-4 p.m.	Session B - Regular Registration
May 15, Monday	Session B - First Day of Classes
May 15, Monday, 8 a.m.-4 p.m.	Late Registration and Schedule Adjustment Closes for Session B
May 27 - May 29	University Computer Services Unavailable
May 29, Monday	Memorial Day Holiday - University Closed
June 16, Friday	Last Day to Drop an Individual Course
(June 19 - July 7)	Complete Withdrawals Only
July 1 - July	University Computer Services Unavailable
July 3, Monday	Independence Day Holiday - Classes Dismissed
July 4, Tuesday	Independence Day Holiday - University Closed
July 6, Thursday	Last Class Day - Last Day to Withdraw for Session B
July 7, Friday	Final Examination Day - Session B Ends
July 10, Monday	Deadline for Submitting Final Grades for Session B

Session C

June 2, Friday, 8 a.m.-4 p.m.	Session C - Regular Registration
June 4, Sunday, 9 a.m.	Residence Halls Open
June 5, Monday	Session C - First Day of Classes
June 5, Monday, 8 a.m.-4 p.m.	Late Registration and Schedule Adjustment Closes for Session C
June 9, Friday	Application for July Graduation Due in Academic Dean's Office
June 23, Friday	Last Day to Drop an Individual Course
(June 24 - July 6)	Complete Withdrawals Only
July 1 - July 2	University Computer Services Unavailable
July 3, Monday	Independence Day Holiday - Classes Dismissed
July 4, Tuesday	Independence Day Holiday - University Closed
July 6, Thursday	Last Class Day - Last Day to Withdraw for Session C
July 7, Friday	Final Examination Day - Session C Ends - Official Graduation Date for Session C
July 10, Monday	Deadline for Submitting Final Grades for Session C

Session D

July 10, Monday, 8 a.m.-4 p.m.	Session D - Regular Registration
July 11, Tuesday	Session D - First Day of Classes
July 11, Tuesday, 8 a.m.-4 p.m.	Late Registration and Schedule Adjustment Closes for Session D
July 14, Friday	Application for August Graduation Due in Academic Dean's Office
July 28, Friday	Last Day to Drop an Individual Course
(July 31 - August 10)	Complete Withdrawal Only

SECOND SEMESTER 2000-2001

January 2, Tuesday	University Offices Open	
January 2, Tuesday - January 5, Friday	Registration/Schedule Adjustment	
January 7, Sunday, 9 a.m.	Residence Halls Open	
January 8, Monday	First Day of Classes	
January 8, Monday - January 12, Friday	Late Registration/Schedule Adjustment	
January 15, Monday	Martin Luther King, Jr. Holiday - University Closed	
January 16, Tuesday	"W" Withdrawal Period Begins	
January 19, Friday	Application for May Graduation Due in Academic Dean's Office	
February 9, Friday	Last Day to Drop 1st 8 Week Courses	
February 28, Wednesday	Mid-Semester, 1st 8 Weeks Courses End	
March 1, Thursday	2nd 8 Weeks Courses Begin	
March 5, Monday	Deadline for Submitting Freshmen Mid Term Grades	
March 16, Friday	Last Day to Drop a Full Semester Individual Course (March 19 - April 27)	Complete Withdrawals Only
March 17, Saturday, Noon	Residence Halls Close	
March 18, Sunday - March 25, Sunday	Spring Break - Classes Dismissed	
March 25, Sunday, Noon	Residence Halls Open	
March 26, Monday	Classes Resume	
March 26, Monday - March 30, Friday	Advance Registration for Summer Session for Currently Enrolled Students	
April 2 - June 2	Advance Registration for Summer Session Open to ALL Admitted/Re-Admitted Students	
April 6, Friday	Last Day to Drop 2nd 8 Weeks Courses	
April 13, Friday	April Break, No Classes	
April 16 - April 27	Advance Registration Fall Semester for Currently Enrolled Students	
April 23, Monday - April 27, Friday	"Dead Week"	
April 27, Friday	Last Class Day and Last Day to Completely Withdraw for Spring Semester	
April 28, Saturday	Exam Day for Saturday Classes	
April 30 - May 4	Advance Registration for Fall Semester Open to All Admitted/Re-Admitted Students	
April 30, Monday	Exam Day	
May 1, Tuesday	Exam Day	
May 2, Wednesday	Study Day - Exams for Wednesday Classes 3 p.m. and After Will Be Held	
May 3, Thursday	Exam Day	
May 4, Friday	Exam Day	
May 4, Friday, 6 p.m.	Residence Halls Close (except for graduating students)	
May 5, Saturday	164th Commencement Exercises	
May 7, Monday	Deadline for Submitting Final Set of Grades	
May 7, Monday	Summer Session A Begins	
May 7 - May 13	Advance Registration/Schedule Adjustment for Fall Semester is Suspended	
May 14, Monday	Registration/Schedule Adjustment Resumes for Fall Semester for All Students Except First Time Fall Undergraduates	
May 26 - May 28	University Computer Services Unavailable	
May 28, Monday	Memorial Day Holiday - University Closed	

SUMMER SESSIONS 2001

Session A

May 4, Friday, 8 a.m.-4 p.m.	Session A - Regular Registration
May 7, Monday	Session A - First Day of Classes
May 7, Monday 8 a.m.-4 p.m.	Late Registration and Schedule Adjustment Closes for Session A

May 25, Friday Last Day to Drop an Individual Course
 (May 29 - May 31) Complete Withdrawals Only
 May 26 - May 28 University Computer Services Unavailable
 May 28, Monday Memorial Day Holiday - University Closed
 May 31, Thursday Last Class Day - Last Day to Withdraw for Session A
 June 1, Friday Final Examination Day - Session A Ends
 June 4, Monday Deadline for Submitting Final Grades for Session A

Session B

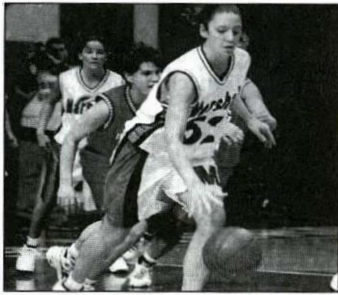
May 11, Friday, 8 a.m.-4 p.m. Session B - Regular Registration
 May 14, Monday Session B - First Day of Classes
 May 14, Monday, 8 a.m.-4 p.m. Late Registration and Schedule Adjustment Closes for Session B
 May 26 - May 28 University Computer Services Unavailable
 May 28, Monday Memorial Day Holiday - University Closed
 June 15, Friday Last Day to Drop an Individual Course
 (June 18 - July 16) Complete Withdrawals Only
 July 4, Wednesday Independence Day Holiday - University Closed
 July 5, Thursday Last Class Day - Last Day to Withdraw for Session B
 July 6, Friday Final Examination Day - Session B Ends
 July 9, Monday Deadline for Submitting Final Grades for Session B

Session C

June 1, Friday, 8 a.m.-4 p.m. Session C - Regular Registration
 June 3, Sunday, 9 a.m. Residence Halls Open
 June 4, Monday Session C - First Day of Classes
 June 4, Monday, 8 a.m.-4 p.m. Late Registration and Schedule Adjustment Closes for Session C
 June 8, Friday Application for July Graduation Due in Academic Dean's Office
 June 22, Friday Last Day to Drop an Individual Course
 (June 25 - July 5) Complete Withdrawals Only
 July 4, Wednesday Independence Day Holiday - University Closed
 July 5, Thursday Last Class Day - Last Day to Withdraw for Session C
 July 6, Friday Final Examination Day - Session C Ends - Official Graduation Date for Session C
 July 9, Monday Deadline for Submitting Final Grades for Session C

Session D

July 9, Monday, 8 a.m.-4 p.m. Session D - Regular Registration
 July 10, Tuesday Session D - First Day of Classes
 July 10, Tuesday, 8 a.m.-4 p.m. Late Registration and Schedule Adjustment Closes for Session D
 July 13, Friday Application for August Graduation Due in Academic Dean's Office
 July 27, Friday Last Day to Drop an Individual Course
 (July 30 - August 9) Complete Withdrawal Only
 August 9, Thursday Last Class Day - Last Day to Withdraw for Session D
 August 10, Friday. Final Examination Day - Session D Ends - Official Graduation Date for Session D
 August 10, Friday, 6 p.m. Residence Halls Close
 August 13, Monday Deadline for Submitting Final Grades for Session D



INDEX

A

- Absence from Class 82
- Academic Common Market 83
- Academic Skills Center 56
- Academic Standing 88
- Academic Support Center 56
- Accounting 126
- Accreditations 7
- ACT 90
- Admission
 - audit students 25
 - conditional 26
 - to Education and Human Services 136
 - to Science 244
 - to Teacher Education 139
- Admissions
 - ACT option for freshmen 23
 - Board of Trustees requirements 23
 - college graduates taking courses 31
 - denial for deficiencies 97
 - Early Entry program 26
 - freshman requirements 22
 - GED 32
 - general procedure 20
 - international students 27
 - necessary materials 21
 - non-degree students 31
 - nursing students 31, 223
 - part-time students 31
 - second baccalaureate degree 31
 - transfer students 32
 - transient students 33
 - Welcome Center 15
- Adult Fitness 176
- Advanced Placement examinations 24
- Advising 91
 - in Business 121
 - in Fine Arts 191
 - in Liberal Arts 201
- Advising Center 56
- Affirmative Action
 - policy statement 79
- Anthropology 220
- Appeals
 - of Probation and Suspension 89
- Appeals, Academic 82
- Appeals Board 91
- Approvals 9
- Area of Emphasis 94
- Art 191

- Athletic Trainer 177
- Audit Students 25, 94
- Auditing Courses 94

B

- Baccalaureate Transition Program 25
- Basic Humanities 205
- Biological Sciences 247
- Black History Month 64
- Black United Students (BUS) 64
- Botany 248
- Bulletins 94
- Business, Lewis College of
 - admission 119
 - deans, divisions, and faculty 116
 - degree programs 119
 - general requirements 123
 - goals 118
 - graduation requirements 122
 - independent study 121
 - internships 121
 - military science 132
 - minors 131
 - mission and vision statements 117
 - prebusiness program 120, 125
 - programs for last 2 years 126
- Business Science and Technology 130

C

- Calendar. *See* University Calendar
- Campuses 10
 - Huntington 11
 - South Charleston 15
- Capstone Experience. *See* Marshall Plan
- Career Services Center 57
- Catalog of Record 95
- Center for Academic Excellence
 - John Marshall Scholars 60
 - Society of Yeager Scholars 61
 - University Honors program 58
- Center for African American Students 63
 - Alumni Series 64
 - Black Faculty Forum 64
 - Black History Month 64
 - Black United Students (BUS) 64
 - Mentoring program 63
 - Outstanding Black High School Student program 63
 - Student Leadership Retreat 63
 - Women of Color Day 64

Center for Environmental, Geotechnical, and Applied Sciences 64
 Cheating. *See* Dishonesty, Academic
 Chemistry 251
 Classical Languages
 Latin 207
 Classical Studies 206
 Classification of Students 95
 Clinical Laboratory Sciences 233
 Closings and Delays. *See* Weather-Related Closings and Delays
 College Level Examination Program 26
 College of Education and Human Services
 program changes 135
 programs 142
 requirements 137
 student teaching 140
 Commencement/Graduation Dates 106
 Communication Disorders 239
 Communication Studies 207
 Community 10
 Community and Technical College
 courses 286
 mission 285
 programs 285
 provost and deans 285
 Computing Facilities 65
 Computing Services
 Computer Accounts 66
 Facilities 65
 Internet Access Off Campus 66
 MUNet 66
 Servers and Systems 66
 Conditional Admission 26
 Continuing Education 95
 Conversion of Credit 33
 Counseling 178
 Course Numbers 96
 Courses of Instruction 288
 prefixes 289
 Credit by Examination 96
 Credit Hour 96
 Criminal Justice 209
 Cytotechnology 237

D

D/F Repeat Rule 96
 Dead Week 97
 Dean's List 97
 Degree Programs
 complete listing 16
 Degree Programs Offered 97
 Degrees, Additional
 associate 91
 baccalaureate 91
 Developmental Courses 97
 Dietetics 240
 Dishonesty, Academic 83
 Dismissal, Academic 85
 Double Major 97
 Drinko Academy 67
 Dropping All Courses 98
 if called to active duty 99
 Dropping Individual Courses 98
 grades assigned 99

E

Early Entry Program
 prior to senior year in high school 26
 Economics 126
 in Liberal Arts 210
 Education and Human Services, College of
 admission 136
 clinical experiences 140
 credit earned externally 136
 deans, chairs, and faculty 134
 degree requirements 136
 graduation requirements 138
 Human Service programs 175
 mission 135
 probation and ineligibility 137
 Teacher Education programs 139
 general requirements 144
 Electronic Courses 99
 Elementary Education 154
 Engineering 253
 transfer to baccalaureate programs 255
 English 211
 English as a Second Language 29
 English Composition Requirement 100
 English Qualifying Examination (EQE) 100
 Environmental Biology 249
 Environmental Science 256
 Extended Education, School of 72

F

Faculty 9, 379
 Family and Consumer Sciences 180
 Fees 37
 Field Experience 101
 Final Exams 101
 absence from 101
 rescheduling 101
 Final Grades 105
 Finance 127
 Financial Assistance
 academic progress standards 48
 academic scholarships 45
 A. Michael Perry Freshman 46
 department 46
 Presidential Scholarship 45
 Yeager Scholarships 45
 athletic scholarships 47
 general information 44
 need-based
 federal direct 47
 Pell Grant 47
 Perkins 47
 SEOG 47
 Student Jobs Program 48
 Work Study 48
 WV Higher Ed. Grant program 47
 ROTC scholarships 46
 Fine Arts, College of 185
 advising 191
 art 191
 deans and faculty 185
 general requirements 189
 minors 190
 mission 186
 music 193

- programs 186
- theatre 197
- Foreign Languages. *See* Modern Languages
- Foreign Study. *See* Study Abroad
- Forestry and Environmental Studies 258
- Forgiveness, Academic 86
- French. *See* Modern Languages
- Full-Time Student 102

G

- GED 22, 32
- Geography 212
- Geology 259
- German. *See* Modern Languages
- Grade Point Average (GPA). *See* Grades
- Grades
 - calculating GPA 103
 - credit/no credit 104
 - final 105
 - Information and regulations 103
 - Marshall and overall GPA 104
 - midterm for freshmen 105
- Graduate College 287
- Graduate College Library 71
- Graduate Courses
 - taken by undergraduates 115
- Graduation Information
 - academic requirements 105
 - application 106
 - commencement/graduation Dates 106
 - honors 106
 - residence requirements 107

H

- H.E.L.P. (Higher Education for Learning Problems) 67
- Health Care Management 128
- Health Education 5-12 160
- Health Sciences Library 70
- Health Services for Students 74
- High School Students 26-27
- History 213
- History of the University
 - The Academy and the College 6
 - The Beginning 6
 - The University 7
- Honorary Societies 68
- Honors. *See* Center for Academic Excellence
- Housing 40-41

I

- Independent Study 108
- Information Technology 69. *See also* Computing Services
 - Help Desk 66
- Instructional Technology, Center for 65
- Instructional Television 69
- Integrated Science and Technology 262
- Inter-College Transfer 108
- International Affairs 214
- International Students 27
 - admissions requirements 29
 - application procedure 27
 - English as a Second Language 29
 - major medical insurance 30

- Internship 108

J

- John Marshall Scholars 45, 60
- Journalism and Mass Communication, School of 274
 - academic policies 275
 - dean and professors 274
 - general requirements 277
 - minors 276
 - mission 274
 - sequence requirements 278
- Judicial Affairs 69

L

- Laboratory Courses 108
- Latin 207
- Liability 79
- Liberal Arts, College of 199
 - 4-year curricula 205
 - academic policies 200
 - deans 199
 - general requirements 201, 203
 - mission 199
 - programs 200
- Libraries
 - Drinko Library 70
 - Graduate College 71
 - Health Sciences Library 70
 - Morrow Library 71
 - Music Library 70
- Licensure
 - as a Registered Nurse 226
- Loans. *See* Financial Assistance

M

- Maintenance of academic progress 120
- Major 108
- Management 128
- Management Information Systems 129
- Marketing 129
- Marshall Plan 109
- Marshall Technology Institute 77
- Mathematics 267
- Medical Technology 235
- Medical Withdrawal Policy 109
- Medicine, School of
 - Social Work program 280
- Memberships 9
- Microbiology 249
- Military, call to active duty 99
- Military Experience and Training Credit 30
- Military Science 132
- MILO (Marshall Information Liaison Online) 110
- Minor 110
- Mission of the University
 - general statement of purpose 5
 - identification of areas of emphasis 5
 - statement of philosophy 5
- Modern Languages 215
- Multidisciplinary studies 50
- Music 195

N

- New Student Seminar 78
- Nursing and Health Professions, College of 221
 - academic policies 228
 - associate degree 231
 - Clinical Laboratory Sciences 233
 - Communication Disorders 239
 - deans and faculty 221
 - dietetics 240
 - Medical Technology degree 235
 - other policies 229
 - School Nurse certification 229

O

- Orientation 71

P

- Park Resources and Leisure Services 181
- Philosophy 216
- Physics 269
- Physiology/Molecular Biology 250
- Placement Examinations 110
- Political Science 216
- Practicum 111
- Pre-Dental 272
- Pre-Medicine 273
- Pre-Optometry 271
- Pre-Pharmacy 272
- Pre-Physical Therapy 271
- Pre-Professional Education 270
 - combined college/professional degrees 270
- Pre-Veterinary Medicine 271
- Prebusiness program 120
- Prelaw Education 52
- Privacy Rights 79
- Probation, Academic 88
- Probation and Suspension
 - appeals 89
- Psychology 217
- Psychology Clinic 72
- Public Service Internship 72
- Purified Protein Derivative (PPD) test 140

R

- Readmission
 - of suspended students 89
 - to the university 111
- Refund of Tuition and Fees 43-44
- Regents B.A. Degree 52
 - admissions criteria 52
 - graduation requirements 53
- Registered Nurse 226
 - option program 226
- Religious Studies 219
- Repeating Courses 96, 111
- Residence 111
- Residence Requirements 107
- Residency Classification for Fee Purposes 34
- Rights and Responsibilities of Students 86
- Room and Board 40

S

- Safety Technology 183
- SAT 90
- Schedule Adjustment 111
- Scholarships. *See* Financial Assistance
- School Nurse Certification 229
- Science, College of 243
 - academic policies 247
 - admission 244
 - deans and division heads 243
 - mission 243
 - programs 244
 - requirements 245
- Second Degree 91
- Semester Hour. *See* Credit Hour
- Semester Load 112
- Seminar 112
- Social Work 280
- Sociology 220
- Spanish 215
- Special Topics 112
- Speech and Hearing Center 73
- Sports Management and Marketing 184
- Standing, Academic
 - good 88
 - probation 88
 - suspension 89
- Student Affairs
 - health service 74
 - student activities 73
 - student development 74
- Student Enrollment 10
- Student Support Services 74
- Student teaching 140
- Study Abroad 75
 - credit 76
 - preparation 77
 - types of programs 75
- Summer School 112
- Suspension, Academic 89
- Syllabus Policy 113

T

- Teacher Certification Requirements 141
- Teacher Education 139
- Technology Institute 77
- Testing Center 77
- Theatre 197
- Transcripts 113
- Transfer Credit 113
 - Board of Trustees policy 114
 - for enrolled students 113
 - for new students 113
- Transfer Students
 - admission requirements 32
 - application procedure 32
 - evaluation of credit 33
 - from branch or community colleges 33
 - from WV colleges and universities 33
- Transient Students 33

Tuition and Fees
 payment of 41
 program-specific fees 38
 refund procedures 44
 room and board 40
 special fees 39
 undergraduate 38
 withdrawal/reinstatement for non-payment 42
Tutoring Services 56

U

University 101 78
University Calendar
 1999-2000 389
 2000-2001 392
University College 78, 115

W

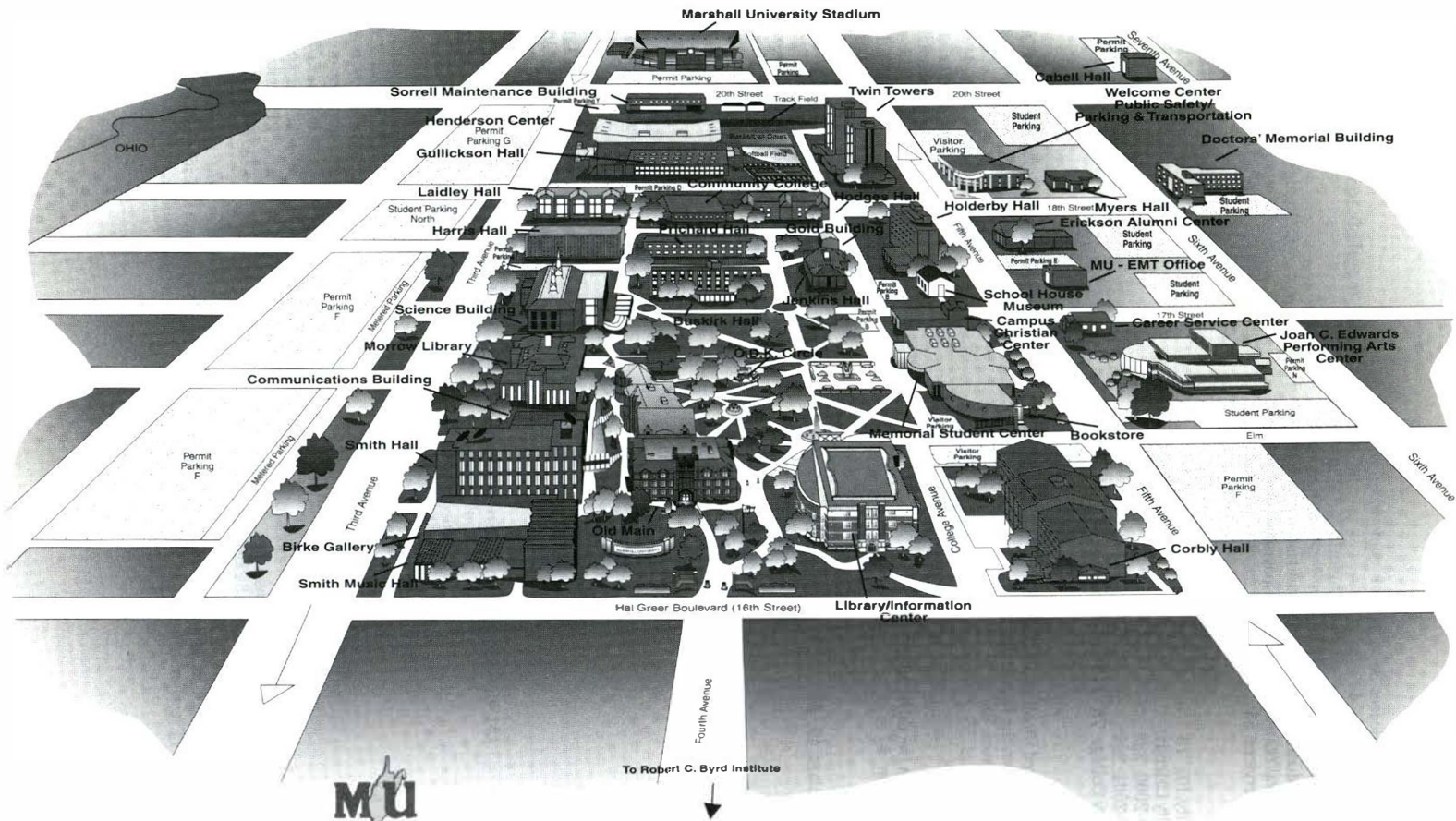
Weather-Related Closings and Delays 80
Withdrawal from the University 98
 grades assigned 98
Women's Studies 55
Work Study 48
Workshop 115
Writing Across the Curriculum 78
Writing Center 57

Y

Yeager Scholars 45, 61

Z

Zoology 250




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