

Special Programs

Undergraduate Certificate in Gerontology WVU Center on Aging

The Undergraduate Certificate in Gerontology is pursued concurrently with any undergraduate major. The certificate affords students an opportunity to explore the basic biological, psychological, and sociological processes of aging, their effect on the needs of older people, and the impact of social policies related to human aging. Additionally, through a required field experience, students develop basic skills for effective practice with older adults. An understanding of the unique problems and needs of older adults in Appalachia and other rural areas is emphasized.

Certificate Requirements

The undergraduate certificate requires 18 credits of coursework and field experience as detailed:

Required courses

- MDS 212 *Introduction to Gerontology***—3 credit hours
- MDS 312 *Issues in Gerontology***—3 credit hours
- GERO 491 *Professional Gerontology Field Experience**—3 credit hours

Recommended Electives

- GERO 412 *Public Policy of Aging*—3 credit hours
- GERO 410 *Rural Gerontology*—3 credit hours
- GERO 693 *Aging Women and Cultural Issues***—3 credit hours
- GERO 495 *Independent Study**—3 credit hours

* Permission from instructor required prior to enrollment.

** This course number may change. Check with your advisor.

Fieldwork credits for the undergraduate program are earned in 491 *Professional Gerontology Field Experience* or in practicum courses in departments appropriate to the student's major. Gerontology professors assist in identifying sites for fieldwork experience with older persons and/or a relevant agency and in the supervision of the student's work. A 3.0 grade point average must be maintained in all certificate coursework.

Students who satisfactorily complete the requirements of the program will receive a Certificate of Gerontology at the time they receive their bachelor's degree, and the award will be noted on each recipient's University transcript.

Upon satisfactory completion of the requirements of the program, a Certificate in Gerontology will be awarded by the Center on Aging.

Further information, assistance in academic program planning in multidisciplinary gerontology, and registration forms may be obtained by contacting: Nancy Merrifield, WVU Center on Aging, PO Box 9127, Morgantown, WV 26506-9127; telephone (304)293-6771.

Dual Degrees in Business and Foreign Languages

The coordinated dual-degree programs in business and foreign language provide global career opportunities for students seeking the B.S. in business administration and the B.A. with a major in foreign languages.

The B.S. degree in business administration is available in the following majors: accounting, business management, finance, and marketing.

The B.A. with a major in foreign languages is available in the following majors: French, German, Russian, and Spanish.

The program of study for the bachelor of science in business administration (B.S.B.Ad.)

and the bachelor of arts in foreign language (B.A.) will vary according to the student's particular major and option. Students normally can graduate with the required 158 credit hours within five years if they plan the program at the beginning of their freshman year. Note that the internship, if available, will be undertaken no earlier than the end of the fourth year of undergraduate study. Students not taking the internship must substitute appropriate coursework approved by the advisor.

Admission Requirements

Students with fewer than 58 hours, in addition to University admission requirements, must meet the following criteria if they plan to qualify for the two degrees:

- A minimum of two college semesters (or two years high school) of one foreign language.
- A minimum of three years of high school mathematics, including two years of algebra or the equivalent; students must qualify for MATH 124 or 126 at WVU.

Formal admission to the dual-degree program requires junior standing or higher and the following prerequisites:

- Completion of 58 credit hours.
- Completion of the intermediate course sequence in a foreign language.
- Attainment of a minimum cumulative grade point average of 3.0.
- Completion of the following courses with a grade of C or better: six hours of principles of economics, six hours of principles of accounting, three hours of college algebra, three hours of college calculus, three hours of statistics, four hours of computer science, six hours of advanced foreign language (103/104 or 109/110), and six hours of composition and rhetoric.
- Filing a formal application for admission to the program with the undergraduate advising center in the College of Business and Economics.

Note 1: The foregoing are minimum requirements. All students meeting the specific requirements are not guaranteed admission. Limitations on entry may be necessary depending upon the availability of faculty, space, and other resources.

Note 2: The exact requirements of the B.S.B.Ad. degree are those in effect when the student is formally admitted to the College of Business and Economics in the junior year.

Program Overview

Non-Business and Economics Courses	Hrs.....	Totals
Objective 1: Communication		
English 101.....	3	
English 102.....	3	
Objective 2: Math and Science		
*Math 124, 126, or 129 with a grade of C or better.....	3-4	
Computer Science 101	4	
Natural Science.....	3-4	
Natural Science (w/ Lab).....	4	
Objective 3: The Past & Its Traditions	3	
Objective 4: Contemporary Society	3	
Objective 5: Artistic Expression	3	
Objective 6: The Individual in Society.....	3	
University 101	1	
Objective 7: American Cultural Diversity	3	
Objective 8: Western Culture.....	3	
Objective 9: Non-Western Culture.....	3	
College Math Requirement: Math 150, 155, or 156.....	3-4	
Psychology 101 and Sociology 101 are required for the business administration degree and meet specific GEC Objectives.		
Foreign Language 203 and 204 meet specific GEC Objectives.		
Subtotal		45-48

Required Business Core Courses

Sophomore year

ACCT 201 and 202 <i>Principles</i>	6
ECON 201 and 202 <i>Principles</i>	6
ECON 225 <i>Elementary Business and Economics Statistics</i>	3

Junior/Senior year

BCOR 315 <i>Professional Development</i>	1
BCOR 320 <i>Legal Environment of Business</i>	3
BCOR 330 <i>Information Systems and Technology</i>	3
BCOR 340 <i>Business Finance</i>	3
BCOR 350 <i>Principles of Marketing</i>	3
BCOR 360 <i>Operations Management</i>	3
BCOR 370 <i>Managing Individuals and Teams</i>	3
BCOR 460 <i>Contemporary Business Strategy</i>	3

Subtotal37

Required Major Core Courses

(Varies by major; see major requirements under College of B&E)27–30

Foreign Language Requirements**

LING 311	3
Foreign Language 301	3
Foreign Language 302.....	3
Foreign Language 303.....	3
Foreign Language 304.....	3
Foreign Language required culture course	3
FRCH 431 or FRCH 432	
GER 341 or GER 441	
SPAN 330 or SPAN 340	
Foreign Language required literature course.....	3
FRCH 331 or FRCH 332	
GER 331 or GER 332	
SPAN 331 or SPAN 332 or	
SPAN 341 or SPAN 342	

Foreign Language electives in the major..... 9

Foreign Language capstone experience (PR: 21 hrs. of coursework in the foreign language major beyond the intermediate level (204 or the equivalent) 3

Subtotal33

Internship (or substitution course work).....10–16

Minimum total hours for the degree.....158

*Although the College of Business and Economics requires MATH 124 and 150, students are encouraged to substitute MATH 155 and 156 or MATH 129 and 155 for MATH 124 and 150 in preparation for graduate admission examinations.

**The 33 hours for the major may include up to six credit hours in the area of emphasis language at the 200 level, excluding FRCH/GER/SPAN 203–204 (or the equivalent). Students may, with consent of their department advisor, include three credit hours in an outside area of study, either within the Department of Foreign Languages or in another department; e.g., political science, history, geography, foreign literature in translation (FLIT). The outside course may be upper or lower division. No more than nine hours of lower-division coursework will be counted for the major.

Students completing a major in foreign languages at WVU must fulfill a residency requirement of 15 credit hours on campus in their language of study, excluding courses numbered 100, 101, 102, 200, 203, 204, 493 and courses obtained through credit by examination. Students must achieve a minimum grade point average of 2.25, both overall and in the foreign language major, for graduation.

Internships

By the end of the fourth year of study, students may be selected for special business/foreign language internships available on a competitive basis. Internships may take the form of work with foreign or U.S.-based companies abroad, foreign-based businesses operating in the U.S., or may allow the student to work with regional U.S. firms having dealings with foreign businesses or governments. Students not selected for internships may substitute 10–15 hours of approved WVU coursework.

Coordination

The College of Business and Economics and the Department of Foreign Languages within the Eberly College of Arts and Sciences cooperate closely to facilitate the student's program at all levels. Students will be assigned a special registration code which will allow them to pre-register for classes normally available only to students in business or only to those majoring in foreign languages.

Early Completion of Prerequisites

Mathematics: In order to meet all mathematics requirements in a timely fashion, freshmen who are pursuing the degrees are encouraged to take the math placement test early to determine if remedial study is necessary. The pre-college algebra workshop is available during both sessions of summer school. Students who need the workshop are encouraged to complete it prior to fall enrollment. Interested students should contact the Department of Mathematics in May of their senior year of high school.

Foreign language: Freshmen who have not yet completed two college semesters (or two years in high school) of one foreign language should be aware they may complete their foreign language prerequisites in the summer sessions before the start of the fall semester. French, German, and Spanish 100 and 200 may be taken in summer sessions I and II. Credit is also available for semesters three and four through departmentally sponsored programs in France, Austria, Mexico, and Spain.

How to Apply for Admission

If entering from high school or transferring with fewer than 58 credits:

- Students should file a University admissions application with the WVU Office of Admissions and Records and stipulate pre-major code 1018.
- Upon admission to the University, students will be assigned an advisor in the Eberly Arts and Sciences Office of Undergraduate Advising and Student Records until they are formally admitted into the program.

Students with at least 58 hours who meet all requirements listed under formal admission requirements section may apply for formal admission to the dual-degree program, filing a formal application through the Eberly College of Arts and Sciences advising office. Upon admission, students will be assigned an advisor.

Contacts

If you have questions about the coordinated dual degrees in business and foreign languages, contact: Assistant Dean, College of Business and Economics, West Virginia University, Morgantown, WV 26506; telephone (304) 293-4959. Or contact: Associate Dean, Eberly College of Arts and Sciences, 213 Woodburn Hall, West Virginia University, Morgantown, WV 26506; telephone (304) 293-4611.

Multidisciplinary Studies Courses

General Education Curriculum (GEC) courses analyze significant issues, problems, or themes by applying two or more disciplines to them; explore the theoretical and methodological relationship of two or more disciplines to each other; and involve a combination of disciplines so as to preclude their being classified realistically as one of humanities, social sciences, or physical sciences.

Responsibility for approving GEC courses rests with the Liberal Studies Program Committee and the Faculty Senate. Each course has its own staff, drawn from the faculties of the colleges and schools of the University. GEC courses may be credited to University LSP, as indicated.

Multidisciplinary Studies Degree Program

Evan Widders, Coordinator

Degree Offered

Bachelor of Arts (B.A.) and Bachelor of Multidisciplinary Studies (B.Mds.)

Major: Multidisciplinary Studies

The multidisciplinary studies degree program is comprised of three related minors. The program does not limit students to courses of study in a particular college or school, but rather stresses the importance of breadth of knowledge and cross-disciplinary communication. The program emphasizes flexibility and combines specialized knowledge from individual disciplines with a unique ability to approach problems from divergent perspectives. Students learn to apply their minors to real-world problems and to apply multidisciplinary techniques in communicating the strengths of their self-chosen course of study.

Each student chooses three minor areas and must demonstrate how these areas work together toward his/her educational and/or career goals. For example, a student may choose the areas of business administration, sport and exercise psychology, and advertising, with the goal of a career in sports and special events marketing/coordinating. MDS students participate in a capstone during their final semester, as a means to incorporate all three disciplines into a senior project, presentation, and paper.

Curriculum

The bachelor of multidisciplinary studies (B.Mds.) degree program requirements include the following:

- Completion of the General Education Curriculum.
- Completion of English 101 and 102, or 103.
- Completion of a writing (W) course in addition to English 101 and 102, or 103.
- Completion of a mathematics course in addition to any additional math requirements of the selected minors.
- Completion of three minors in which none of the courses has been used to satisfy General Education Curriculum requirements.
- A grade of C or better in all minor coursework.
- Completion of at least 60 credit hours of 200-level or above coursework. Of the 60 hours, 30 must be 300–400 level coursework.
- Completion of the MDS 199 orientation course with a grade of C or better.
- Completion of the MDS 492 capstone course with a grade of C or better.
- Achievement of a cumulative grade point average of at least 2.0.
- Completion of at least 128 credit hours.

Students also have the option of earning a bachelor of a bachelor of arts (B.A.) degree with a multidisciplinary studies major. This option encourages students who choose multidisciplinary studies to couple foreign language study with University and MDS program requirements. This essentially provides a fourth area of concentration for B.A. students, and aligns with national and institutional goals of producing international citizens. Requirements for the bachelor of arts degree with a multidisciplinary studies major are:

- Completion of all requirements for the multidisciplinary studies degree program, listed above; and
- Completion of the Eberly College of Arts and Sciences bachelor of arts requirements.

Admission

Admission to the program is possible after completion of at least 58 credit hours with a cumulative grade point average of at least 2.0. Admission and completion of the degree program are the result of an academic program articulated by the student with assistance from the student's academic advisor. The student must enroll in MDS 199 and develop a plan identifying three areas of study and explaining how the student intends to integrate the knowledge and skills from each area to formulate an educational and/or career goal.

Special Policies

The required MDS capstone course must be taken in the student's semester of graduation. An MDS student who is graduating in the summer may take no more than 14 credit hours in summer.

Oak Ridge Associated Universities

Since 1957, students and faculty of West Virginia University have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 91 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarships, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing of these programs and other opportunities, their disciplines, and details on locations and benefits can be found at <http://www.oraugov/orise.htm>, or by calling either of the contacts below.

ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs, as well as services to chief research officers.

For more information about ORAU and its programs, contact: Richard A. Bajura, Director, National Research Center for Coal and Energy, ORAU Councilor for West Virginia University. Monnie E. Champion, ORAU Corporate Secretary (865) 576-3306; or visit the ORAU home page <http://www.oraugov>.

Professional Internship Program

Program appointment periods that alternate with terms of full-time academic study at the students' home institutions afford students opportunities to apply the theories and methods learned in the classroom in a research environment under the guidance of a research advisor.

Graduate Internship Program

Internships at federal laboratories relate to the student's major and career goals, provide opportunities to apply theories and methods learned in the classroom, and introduce research areas for consideration as possible thesis or dissertation topics.

Post-Graduate Research Program

Research appointments are available for recent master's and doctoral degree recipients. Up to two years of support for collaborative research at federal laboratories is provided.

Faculty

Faculty members of WVU, under the ORAU Faculty Research Participation Program, can go to a Department of Energy facility for varying periods up to three months for advanced study and research. It is also possible to combine a sabbatical with a longer appointment. Part-time appointments during the academic year are also available at certain laboratories.

Stipends

Student stipends are at fixed rates that change from time to time. Faculty stipends are individually negotiated, based upon the current University salary.

Contacts

For more information contact ORAU Council Member, WVU NRCCE, at (304) 293-2867; or ORAU Corporate Secretary at (615) 576-3306; online at www.orau.org.

ROTC

U.S. Air Force Aerospace Studies and U.S. Army Military Science

WVU offers qualified applicants two to four-year courses of instruction in military science (Army ROTC), and aerospace studies (Air Force ROTC). Normally, successful completion of one of these courses and University degree requirements leads to a commission as a second lieutenant in the U.S. Army or the U.S. Air Force.

Equivalent credit for part or all of the four basic semesters of ROTC may be granted in accordance with existing military service regulations. This credit will be awarded on the basis of prior active military service, high school ROTC, military school (Army ROTC at high school level), attendance at service academies, junior college senior division Army ROTC, or Civil Air Patrol awards.

General Education Curriculum (GEC)

MILS 101, 102, 201, and 202 courses are under GEC 4—Issues of contemporary Society, GEC 6—The Individual in Society, and GEC 8—Western Culture.

U.S. Air Force ROTC WVU Division of Aerospace Studies

Nature of Program

The U.S. Air Force officer education program at WVU has been in existence since 1948 and is designed to provide training that will develop leadership, managerial, and interpersonal skills vital to the professional Air Force officer. Its purpose is to qualify you for commissioning in the U.S. Air Force. WVU has the only Air Force ROTC (AFROTC) detachment in West Virginia.

Scholarship Program

Outstanding students from any academic discipline may compete for scholarships under this program. A large number of scholarships are available for students majoring in engineering, scientific, mathematical, or nursing fields. If you win a scholarship, AFROTC will pay for tuition, fees, and required textbooks, as well as provide a tax-free monthly allowance between \$250 and \$400 based on academic year. Scholarships are available for two, three, and four years, depending on funding.

Uniform Wear and Deposits

Air Force ROTC students are required to wear a uniform to ROTC classes and leadership laboratories. Each air force ROTC student is issued a set of uniforms but is required to pay a uniform deposit of \$50, which will be refunded upon the return of undamaged and freshly cleaned uniforms. Air Force ROTC cadets may purchase their uniforms upon successful completion of the ROTC program.

Benefits

Enrolling in AFROTC provides the opportunity to:

- Compete for entry into the Professional Officer Course (POC) and earn an air force commission.
- Earn academic elective credit which can be applied toward the requirements for any undergraduate major at WVU.

- Compete for AFROTC scholarships that pay full tuition, fees, and required textbooks, and provide a tax-free monthly stipend between \$250 and \$400 based on academic year.
- Receive free career counseling from full-time AFROTC representatives.
- Go on field trips to air force installations in the United States.
- Try AFROTC during freshman and sophomore years without obligation (unless you accept an AFROTC scholarship).
- Develop leadership and managerial skills.
- Travel, on a space available basis, aboard government aircraft (POC and scholarship cadets only).

Distinguished AFROTC Graduate

The professor of aerospace studies may designate as a distinguished graduate a POC member who:

- Demonstrates superior academic and field training performance.
- Possesses outstanding qualities of leadership and high moral character.
- Demonstrates clearly exceptional leadership in recognized activities.

U.S. Air Force Academy

The president of WVU may annually nominate five outstanding AFROTC students to the U.S. Air Force Academy. Applicants are recommended by the professor of aerospace studies to the WVU president during January of each year.

Curriculum

The curriculum in aerospace studies is divided into three distinct areas: leadership laboratory, general military course (GMC), and professional officer course (POC).

Leadership Laboratory

Leadership laboratory takes an average of two hours per week throughout the student's enrollment in AFROTC. Instruction is conducted in an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership laboratory involves a study of air force customs and courtesies, drill and ceremonies, physical fitness, career opportunities, and the life and work of an air force junior officer. Students develop leadership potential in a practical, supervised training laboratory, which typically includes field trips to air force installations.

General Military Course (GMC)

The U.S. Air Force course of study offered during the freshman and sophomore years is the General Military Course (GMC). This is composed of one class hour and two leadership laboratory hours per week. Two credit hours are awarded for each semester course successfully completed. General military courses are open to all WVU students who:

- Are a United States citizen (to receive a scholarship).
- Are in good physical condition.
- Have good moral character.
- Be at least 14 years old (17 to receive a scholarship).

Professional Officer Course (POC)

The professional officer course (POC) corresponds to the junior and senior years of your academic program. Graduate students may also enroll in the POC if they have four semesters of school remaining. The POC is designed to provide highly qualified junior officers for the U.S. Air Force. Admission is based on such factors as leadership, scholarship, physical qualifications, and academic major. Successful completion of the POC qualifies you for appointment as a second lieutenant in the air force upon college graduation. Instruction averages three hours per week throughout the four semesters, plus leadership laboratory. Three hours of credit are awarded for each of the four semesters of work in the POC program. To qualify for the POC, you must meet all the qualifications for the GMC and:

- Have two academic years remaining (undergraduate, graduate, or a combination of both).
- Be a United States citizen.
- Be 18 years old, or 17 with a parent or legal guardian's consent.
- Be physically qualified.
- Pass the Air Force Officer Qualifying Test.
- Be selected by a board of U.S. Air Force officers.
- Complete a four- or six-week field training course, depending on GMC participation or GMC credit.
- Complete all graduation and commissioning requirements as follows: scholarship recipients before age 31 as of 30 December of the year you plan to be commissioned (typically the year you graduate), pilot or navigator candidates before age 29, non-flying, non-scholarship students before age 35.

U.S. Army ROTC WVU Division of Military Science

Nature of the Program

The curriculum includes skills expected of a U.S. Army officer including how to motivate coworkers, cope with unexpected challenges, organize large, complex tasks, and an introduction to the army's values-based leadership techniques. Additionally, students learn skills in demand today in the civilian and business worlds such as teamwork, tact, and effective communications. There are two- and four-year ROTC programs. The traditional four-year program is composed of the basic course and the advanced course.

The Basic Course

The first two years compose the basic course. This includes MILS 101, 102, 201, and 202, and includes classroom studies in such subjects as military history, leadership development, and national defense. Students can enroll in the program for the first two years without incurring any future military obligation. After successful completion of the basic course, students can apply for admission into the advanced course.

The Advanced Course

After successful completion of the basic course, students wishing to actively seek a commission as an officer in the U.S. Army must enter into the advanced course. It is required of all students who have received an ROTC scholarship. Classes required are MILS 301, 302, 401, and 402, a weekly leadership lab, and an approved military history course. During this part of the program, students will put their management and leadership skills to the test while continuing to hone the traits required for commissioning into the U.S. Army. As a cadet in the advanced course, you will spend six weeks of the summer between your junior and senior years attending an advanced leadership course at Fort Lewis, Washington. At this course, students receive intensive training in tactics, physical fitness, land navigation, obstacle course, and repelling. They also have the opportunity to lead other cadets through challenging missions.

While enrolled in the program, ROTC textbooks, uniforms, and essential materials are furnished at no cost. Additionally, advanced course students receive a stipend allowance of \$350–\$400 a month during the school year.

Leadership Laboratory

Leadership laboratory is two hours per week every Thursday afternoon throughout the student's enrollment in AROTC. Instruction is conducted in an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership laboratory involves practical application of field craft, drill and ceremonies, physical fitness, repelling, rifle marksmanship, and career opportunities.

Military Science Minor

Students enrolled in the AROTC program, are offered the opportunity to take an independent study course in order to receive a military science minor.

The Two-Year Program (Sophomores, Junior College Transfers, and Partnership Schools)

If students miss the first two years of Army ROTC, the two-year program offers the opportunity to achieve the same goals and benefits as the four-year program but at an accelerated pace. This is designed for sophomores who were unable to take the basic course, students transferring after attending a junior college or another institution, or for students attending one of our partnership schools. In this program, students first attend the ROTC basic leader's training course at Fort Knox, Kentucky, in the summer between their sophomore and junior years. This is a fully paid (over \$700 plus room, board, and transportation), four-week training camp where students may compete for two-year scholarships. Students must have a minimum of 53 hours of college credit with a 2.0 GPA (2.5 to compete for a scholarship).

Additionally, if a student is currently in the national guard, army reserve, a veteran from any service, or has high school JROTC experience of three years or more, he or she may qualify for entry into the advanced course under the two-year program. Students must have a minimum of 53 hours of college credit with a 2.0 (or better) GPA.

Simultaneous Membership Program (SMP)

Students currently in the Army National Guard or U.S. Army Reserve can participate in the advanced course as an SMP cadet. Benefits of the SMP include immediate promotion to sergeant (E5) for pay purposes in their current unit, receipt of any Montgomery G.I. Bill kicker, \$250–\$400 a month stipend, and any tuition assistance offered by the service. Currently the West Virginia National Guard pays 100 percent of in-state or out-of-state tuition for either undergraduate or graduate studies. The army reserve offers loan repayment and 75 percent tuition assistance.

Information on these programs may be obtained through the professor of military science at (304) 293-2911 ext. 33135. For a detailed overview of Army ROTC, students can call 1-800-USA-ROTC or view online at www.armyrotc.com.

Judge Advocate General (JAG) Programs

The JAG Corps is the oldest "law firm" in the U.S., dating back to 1775. There are approximately 1,500 active duty (full-time) attorneys and 2,600 Reserve and National Guard (part-time) attorneys. Students in the advanced course should take the LSAT prior to the fall of their senior year. They must then request an educational delay and branch JAG. If accepted to the law school of the student's choice, the educational delay may be granted. While in law school, students may apply for one of 100 summer internships offered by the JAG Corps.

Graduate Medical Programs

The army offers a variety of graduate programs to ROTC graduates. These include specialties in nursing, dentistry, medicine, psychology, optometry, and veterinary medicine. Interested students must apply for educational delay following graduation and commissioning.

ROTC Scholarship Program

Merit-based scholarships are available for two, two-and-a-half, three, three-and-a-half, and four years and are available for both graduate and undergraduate programs. These scholarships pay all tuition and fees up to \$20,000 a year. They also provide \$900 a year for books and include a \$250–\$400 per month stipend. Four-year scholarships are normally reserved for high school students. The application process starts by applying online at www.armyrotc.com or by calling 1-800-USA-ROTC to receive an application by mail. The remaining scholarships are considered campus-based scholarships given at the discretion of the professor of military science. Students must meet the following requirements for an Army ROTC scholarship:

1. Be a citizen of the United States.
2. Be between 17 years old at the time of acceptance.
3. Be no older than 32 when commissioned (a four-year extension may be granted for prior service.)
4. Be of good moral character.
5. Exhibit a strong desire to become an army officer.
6. Possess leadership potential to become an effective leader. These include appearance, personality, academic excellence, extracurricular activities, and physical fitness.
7. Be medically qualified by passing a Department of Defense Medical Evaluation Board physical.
8. Must be eligible for a secret security clearance.

General Education Curriculum (GEC)

MILS 101, 102, 201, and 202 courses are under GEC 4—Issues of contemporary Society, GEC 6—The Individual in Society, and GEC 8—Western Culture.

Additional Opportunities

Students enrolled in the AROTC program can participate in numerous fully funded military training opportunities during their summer breaks. These opportunities include but are not limited to Airborne School, Air Assault School, Mountain Warfare School, Pentagon Internship Program, and the Nurse Summer Training Program. There are also opportunities to study abroad through numerous fellowship programs.

Studying the Environment at West Virginia University

Environmental issues occupy a high priority with the people of the world. Clean air, clean water, solid waste management, endangered species, land use policy, and toxic substance control are just some of the environmental issues that are of concern to people across the globe.

That's why West Virginia University offers programs in a wide variety of disciplines that focus on the environment: to learn how to make best use of our natural resources while protecting our fragile ecosystem for future generations.

Agricultural and Environmental Education

This program in the Davis College of Agriculture, Forestry, and Consumer Sciences emphasizes communication and leadership skills. Training in natural resource management is increasingly important as land in agricultural use now provides the majority of open spaces in industrialized countries. Areas of emphasis include leadership, communication, agricultural and environmental technology, extension education, and teacher certification. The program prepares students for careers in private and public employment.

Chemical Engineering

Students in this program of the College of Engineering and Mineral Resources learn to identify, analyze, and reduce health, safety, and environmental risks in chemical processes. They design projects which involve inherently safe design, pollution prevention, and life-cycle analysis techniques. Elective courses in health, safety, and environment are offered, and students have worked on senior thesis projects in collaboration with the National Institute for Occupational Safety and Health (NIOSH), the United States Department of Energy, and other agencies. Graduates have obtained employment in government and industry in environmental engineering.

Civil and Environmental Engineering

This program of the College of Engineering and Mineral Resources offers a series of environmental engineering courses as electives for students who are interested in specializing in environmental engineering. Students who select and finish a sequence of technical electives during the junior and senior years will be granted a degree with emphasis on environmental engineering. Students with the specialty in environmental engineering have comprehensive knowledge of air and water qualities and characteristics of pollutants in physical, chemical, and biological aspects. They are equipped with both fundamental theories and updated technologies.

Environmental Biology

An area of emphasis within the biology degree, this program of the Eberly College of Arts and Sciences firmly grounds students in the fundamentals of biology. Advanced-level courses in ecological and organismal biology give the student a rigorous background in modern biological studies of the environment, from the molecular to the global level. Students with this background are prepared for employment in all levels of government and private industry as well as for advanced study in master's and doctoral programs.

Environmental Chemistry

This course of study in the Eberly College of Arts and Sciences offers interdisciplinary training in chemical, biological, and engineering sciences. Because graduates have the background necessitated by the chemistry degree program, they are ideally suited to study the nature, reactions, transport, and fates of chemical species in the environment (air, water, and soil) and are employed by municipal, state, and federal agencies as well as environmental consulting firms. Graduates are also prepared to continue their studies in graduate programs in the environmental and health sciences.

Environmental Geoscience

The program housed in the Department of Geology and Geography of the Eberly College of Arts and Sciences prepares students for careers involving environmental issues that affect our present and future quality of life. The broad nature of the curriculum reflects the diversity of environmental problems and the increased demands placed on modern environmental scientists to recognize and understand the sources and impacts of environmental pollution. The curriculum educates geoscientists to identify and remediate environmental problems, to compile and analyze environmental data, to understand the regulatory aspects of environmental protection, and to communicate both with the wide range of professional disciplines for whom the environment is of special concern and with the public in general.

Environmental and Natural Resources Economics

Offered by the Davis College of Agriculture, Forestry, and Consumer Sciences, this is an applied economics program. The focus of the program is on environmental and natural resource economics and policy. The major prepares students for careers at all levels of government and in private industry. A special feature of the program is the opportunity to explore the interdisciplinary nature of environmental programs and linkages between natural resources and economic development issues.

Environmental Protection

This interdisciplinary program of the Davis College of Agriculture, Forestry, and Consumer Sciences includes broad interdisciplinary training in the basic and environmental sciences concentrating on two areas of specialization: plant protection or soil and water protection. The program prepares students for careers which safeguard and quality of the environment. Graduates are employed by municipal, state, and federal government agencies, environmental consulting firms specializing in land reclamation and water quality, and companies associated with the gas, oil, and coal industries.

Environmental Studies

A track in the political science program of the Eberly College of Arts and Sciences, environmental studies offers a specialized curriculum blending coursework in political science, the policy sciences, and the natural sciences. Students entering this field may work in either the public or private sector as policy analysts, lobbyists, natural resource managers, or public affairs specialists. Students might also consider this track as a first step towards more advanced training after the bachelor's degree.

Forest Resources Management

This program in the Davis College of Agriculture, Forestry, and Consumer Sciences deals with the management of the forest to produce goods and services obtained from the land and trees. The program prepares students for careers with forest industries, the government, and others concerned with the value of forest ecosystems. The program is accredited by the Society of American Foresters.

Recreation, Parks, and Tourism Resources

This program in the Davis College of Agriculture, Forestry, and Consumer Sciences prepares students for increasing responsibilities in public agencies (park service, forest service, state park systems, etc.) and in the commercial sector (tourist attractions). The natural resources recreation option focuses on outdoor recreation, and the leisure services delivery option prepares students for general entry into the parks and recreation career field. The program is accredited by the National Recreation and Park Association.

Wildlife and Fisheries Management

This program in the Davis College of Agriculture, Forestry, and Consumer Sciences prepares students for many careers, such as wildlife and fish biology, wildlife and fish management, consulting, and planning of wildlife and fisheries programs. Available options focus on communications, fisheries science, planning, wildlife management, and wildlife sciences.

University Honors Program

The University Honors Program provides cohesive, integrated honors courses which apply toward the satisfaction of general education requirements and some requirements for the major.

Admission to the program is by application and is based on ACT or SAT composite standard scores and high school grade point averages or status as a National Merit Semi-Finalist. Admission to the program by enrolled college students is based on grade point average on the first 14 to 34 credit hours of college coursework.

Class sizes are small, affording students an opportunity to participate in individualized, concentrated instruction. A student accepted into the program is expected to enroll in one honors course each semester as a full-time student at WVU, maintaining a grade point average in accordance with the standards established by the University Honors Program. In addition to fulfilling the program's requirements, honors students fulfill all requirements of the University and major area of concentration. Students enrolled in the Honors Program do not take more courses than other students; such students use the honors courses to fulfill part of the University requirements for graduation.

Honors students enter areas of concentration in which they earn their degrees and fulfill requirements established by the academic areas involved. Diplomas and transcripts indicate both degree earned and the designation of University honors scholar. Certification as University honors scholar is to be completed by the end of the penultimate semester. University honors scholars complete a minimum of 24 hours in designated honors courses.

Students complete the program with an honors thesis. They present the results of the research in a seminar for faculty and other students. In addition, they complete 18 credits of honors courses. Many students choose to be involved in research in their major and they may receive both departmental honors as well as University honors credit for their work. Senior design projects for engineering majors, art portfolios, and theater and music

performance can be modified to meet the thesis requirements. While honors students are expected to enroll in an honors course each semester, demands of professional programs, etc., may make adjustments necessary, with the advisor's approval.

Normally, only courses designated as honors courses by the program count toward fulfillment of the Honors Program requirements. However, if a student takes courses judged by the program to be rigorous and challenging enough to qualify as honors courses, the student may petition, in advance, for permission to count the hours as honors hours. In each case, the student must submit a petition for such an exception. Each petition is judged on its own merits.

When a student is accepted into the University Honors Program, continuance depends upon satisfactory progress in hours earned and maintenance of a satisfactory cumulative grade point average as outlined below:

1–28 hours earned	3.2 GPA
29–88 hours earned	3.3 GPA
89 hours or more	3.4 GPA

If a student fails to maintain satisfactory progress toward the degree or to achieve the required minimum cumulative grade point average, the student is placed on probation in the University Honors Program for one semester. If the student has not achieved the required grade point average and/or the number of hours completed at the end of that semester, the student will be dismissed from the University Honors Program. This action does not affect the student's standing in the University not in the degree program. It does mean that the student will not be designated a University Honors Scholar upon graduation.

WVU Extension Service

<http://www.wvu.edu/~exten/>

Real-world learning and outreach experiences abound for undergraduate and graduate students who intern with the WVU Extension Service (WVU-ES). Part of an educational network of 105 land-grant universities, WVU-ES takes the helping hand of West Virginia University directly to thousands of West Virginians in communities scattered across the state. Through its Extension Service, the University provides a "mini-campus" in each of the state's 55 counties. The work at these locations addresses a wide variety of community issues via a nontraditional mix of learners, faculty, staff, and volunteers.

Drawing on the strengths of WVU's many academic disciplines, Extension educators target social, economic, environmental, and technical problems of communities. Some Extension educators work on WVU's traditional campuses located in Morgantown, but many of the faculty work in county settings, generally located in or near each county's government seat. Working daily with local residents, Extension faculty find their lives often intertwine with the issues that confront their local communities. They are committed to helping people find answers that work. As they solve problems along with local citizens—individually and in groups—Extension faculty and staff translate WVU's research into action.

When graduate and undergraduate students take part in this action, they find the WVU Extension Service to be a fertile, flexible provider of a variety of internship, work-study, and volunteer experiences. Extension educators may involve students in some or in all phases of their educational projects—research, design, delivery, and evaluation. Depending on the project, students may have hands-on experience with computer networks, distance education, publication design and production, curriculum design and development, and classroom teaching.

Extension's many programs are driven by just four major initiatives: 4-H youth development, families and health, agriculture and natural resources, and community, economic, and workforce development. Extension's program delivery, however, has roots in many career fields, including agriculture, business administration, child development, computer science, communications, environmental science, engineering, counseling and guidance, curriculum design, health education, home economics, journalism, and safety. Regardless of their academic disciplines, today's students may find rich learning experiences—and rewarding careers—among Extension's diverse educational programs. Examples include:

- WVU Extension's 4-H program builds leaders who have the confidence that comes from learning by doing. Through clubs, special interest programs, camping, school enrichment, child care, and individual study, 4-H reaches more than 56,000 youths and 7,600 adults statewide.
- Diabetes is a major problem in West Virginia. Extension's Dining with Diabetes is helping families learn how to select, prepare, and enjoy food that supports healthful eating habits. Each year, more than a thousand diabetes cooking school students attend classes in their own communities and learn how to plan and prepare meals that are appealing, tasty, and healthful.
- Thousands of children in rural and low-income communities nourish their bodies and minds through the summertime Energy Express program. A partnership of WVU Extension and state and local organizations, the program helps children build critical reading skills while providing nutritious meals and valuable mentoring.
- The First Impressions program offers West Virginia communities frank, detailed assessments of what works and what doesn't, as seen through the eyes of strangers. The towns of Grantsville, Grafton, and Logan are using this Extension program to make immediate improvements and guide long-term development.
- Each year, more than 17,500 firefighters and emergency responders throughout West Virginia improve their skills through training offered by WVU's Fire Service Extension. These programs help fire department personnel meet national certification standards and enhance their ability to protect people and property in their communities.
- More than 100 companies throughout West Virginia look to the Appalachian Hardwood Center at WVU for training and technical assistance. These companies get help in locating markets for finished products and wood residues, developing grading data for sawmills, and identifying and resolving manufacturing problems.
- Helping West Virginia workers stay well and injury-free is the goal of WVU's Safety and Health Extension. Industrial safety specialists teach employers and their workers how to protect themselves and the public from potential hazards encountered on the job.
- The WVU Extension Service has a long tradition of land stewardship. Each year, more than 9,000 farmers and gardeners seek information on ways to make their land more productive by having their soil laboratory-tested at WVU. Extension agents interpret the results and provide site-specific recommendations for fertility management.
- WVU's International Extension programs open a window to the world. Through international exchange programs, educational camps, and development projects and research studies abroad, West Virginians are learning how to cross culture and language barriers to form productive, rewarding partnerships in the global village.

Extension operates the University's special-mission campus, which is WVU Jackson's Mill State 4-H Camp and Center for Lifelong Learning. Located near Weston, WVU Jackson's Mill annually draws more than 110,000 guests, who enjoy the 525-acre retreat facility's meeting, camping, and heritage facilities.

WVU Extension programs are financed via a variety of funding combinations: federal appropriations and grants; state appropriations and grants; county commission, county school board, and other local governmental appropriations; and private grants.

Graduate and undergraduate internships, work-study appointments, and volunteer service positions may be available on the Morgantown campus and in any of the 55 counties. Program priorities and funding determine the duration of appointments during regular semester and summer sessions.

For more information, contact the WVU Extension Service at (304) 293-5691; or write to 808 Knapp Hall, P.O. Box 6031, Morgantown WV 26506-6031.