

Degree Programs

Agriculture Degree/A.A. General Agriculture Major

Students enrolling in programs leading to a baccalaureate degree in agriculture are offered a variety of career fields. The general agricultural program will provide the foundation courses for the freshman and sophomore years.

Career Opportunities: Employment for graduates includes owning a farm business, the private sector of agriculture business, and a wide range of public employment.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a General Agriculture Major, a student must complete a minimum of 65 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
AGEE 103	Basics of Agricultural Mechanization	2
AGRL 111	Professions in Agriculture	1
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	College Algebra	3
GEC Elective		3
Total		16

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
AGRL 112	Professions in Agriculture	1
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
GEC Elective		3
AGRL/ FOR/ HORT	Electives	6
Total		17

SECOND YEAR

First Semester		Hrs.
CHEM 111	Survey of Chemistry	4
PLSC 206	Principles of Plant Science	4
GEC Elective		3
AGRL/ FOR/ HORT Electives		6
Total		17

Second Semester		Hrs.
CHEM 112	Survey of Chemistry	4
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
A&VS 251	Principles of Animal Science	4
GEC Elective		3
Total		15

Total Hours: 65

Agriculture Degree/A.A. Agronomy Major

Students learn the wise use and management of land and soil resources and the application of science to field crop production or turf management. This major is ideal for those students interested in soil and water conservation, soil and water quality, mined land reclamation, farming, turf grass management, use of soils for construction sites, waste water treatment, and wetland preservation.

Career Opportunities: Employment possibilities include soil survey, soil and water conservation, wetland delineation, and environmental management with federal or state governments, private industries, private consulting, farming, soil conservation, agricultural sales, research, and turf grass management.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a major in Agronomy, a student must complete a minimum of 63 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Students who wish to receive the A.A. in Agriculture with a major in Agronomy and to continue toward a B.S. in Agroecology may substitute ENVP 155, Elements of Environmental Protection, for PHYS 101 and HORT 220, General Horticulture, for MATH 128. Students who wish to continue toward a B.S. in Environmental Protection may substitute GEOL 101 and 102, Planet Earth and Planet Earth Laboratory, for PHYS 101.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
AGRL 111	Professions in Agriculture	1
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	College Algebra	3
AGEE 110	Microcomputer Applications in Agricultural Education	3
Total		14

Second Semester		Hrs.
AGRL 112	Professions in Agriculture	1
ENGL 102	Composition and Rhetoric	3
A&VS 251	Principle of Animal Science	4
MATH 128	Plane Trigonometry	3
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
Total		15

SECOND YEAR

First Semester		Hrs.
CHEM 115	Fundamentals of Chemistry	4
PHYS 101	Introductory Physics	4
PLSC 206	Principles of Plant Science	4
ARE 150	Introductory Agricultural and Agribusiness Economics	3
AGEE 101	Global Food and Agricultural Industry	3
Total		18

Second Semester		Hrs.
CHEM 116	Fundamentals of Chemistry	4
SPA 270	Effective Public Speaking	3
STAT 211	Elementary Statistical Inference	3
GEC Electives		6
Total		16

Total Hours: 63

Agriculture Degree/A.A. Horticulture Major

Horticulture is the science of production, processing, and marketing of fruit, vegetable, greenhouse and nursery crops. Students will study physiology, culture, harvest, quality control, sales and utilization of horticulture crops.

Career Opportunities: The program prepares students to become employed as orchard managers, vegetable farmers, greenhouse managers, landscape contractors, golf course managers, park horticulturists, seed and supply representatives, and state and federal nursery inspectors.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a major in Horticulture, a student must complete a minimum of 65 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
AGRL 111	Professions in Agriculture	1
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	College Algebra	3
HORT 260	Trees and Shrubs	3
Total		14

Second Semester		Hrs.
AGRL 112	Professions in Agriculture	1
ENGL 102	Composition and Rhetoric	3
A&VS 251	Principles of Animal Science	4
ARE 204	Agribusiness Management	3

HORT 220	General Horticulture	3
GEC Elective		3
Total		17

SECOND YEAR

First Semester		Hrs.
CHEM 111	Survey of Chemistry	4
AGEE 110	Microcomputer Applications in Agricultural Education	3
PLSC 206	Principles of Plant Science	4
HORT 262	Herbaceous Plant Materials	3
ARE 150	Introductory Agricultural and Agribusiness Economics	3
Total		17

Second Semester		Hrs.
CHEM 112	Survey of Chemistry	4
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
AG/HORT Elective		3
GEC Electives		6
Total		17

Total Hours: 65

Agriculture Degree/A.A.

Agricultural and Environmental Education Major

The agricultural and environmental education major is designed to prepare students for agricultural teaching, extension, and environmental technology employment positions. The curriculum provides flexibility in emphasizing teacher preparation, environmental technology, or communications and leadership.

Career Opportunities: Graduates have entered positions in teaching, extension work, waste management, human resource management, municipal environmental management, and federal and state agencies.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a major in Agricultural and Environmental Education, a student needs to complete a minimum of 63 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
MATH 126	College Algebra	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
AGEE 101	Global Food and Agricultural Industry	3
AGEE 103	Basics of Agricultural Mechanization	2
AGRL 111	Professions in Agriculture	1
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ARE 204	Agribusiness Management	3
PSYC 101	Introduction to Psychology	3
GEC Elective		3
AGRL 112	Professions in Agriculture	1
HORT 220	General Horticulture	3
Total		16

SECOND YEAR

First Semester		Hrs.
PLSC 206	Principles of Plant Science	4
CHEM 111	Survey of Chemistry	4
AGEE 110	Microcomputer Applications	3
AGEE 203	Agricultural Mechanics Practica	3
AGEE 220	Group Organization and Leadership	3
Total		17

Second Semester		Hrs.
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
A&VS 251	Principles of Animal Science	4
PSYC 241	Introduction to Human Development	3
GEC Elective		3
Total		14

Total Hours: 63

Agriculture Degree/A.A. Resource Management Major - (Agribusiness Management and Rural Development)

This curriculum includes five areas of concentration: general agricultural economics, agribusiness management, farm management, rural development, and resource economics. The general agricultural economics area or concentration provides a basic background for a variety of agriculturally-related careers.

Career Opportunities: Agribusiness and farm management areas provide specialized training for careers in agribusiness, credit, government and farming. Rural development and resource economics areas of concentration provide training for careers in community development, rural planning and management of natural resources. Employment opportunities exist with agribusiness firms, extensions, local, state, and national and international agencies.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a major in Agriculture Resource Management, a student must complete a minimum of 65 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	College Algebra	3
AGRL 111	Professions in Agriculture	1
ECON 201	Principles of Microeconomics	3
Total		14

First Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CS 101	Introduction to Computer Applications	4
AGRL 112	Professions in Agriculture	1
ECON 202	Principles of Macroeconomics	3
GEC Electives		6
Total		17

SECOND YEAR

First Semester		Hrs.
PLSC 206	Principles of Plant Science	4
CHEM 111	Survey of Chemistry	4
STAT 211	Elementary Statistical Inference	3
ARE 150	Introductory Agricultural and Agribusiness Economics	3
GEC Elective		3
Total		17

Second Semester		Hrs.
A&VS 251	Principles of Animal Science	4
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
ARE 204	Agribusiness Management	3
GEC Electives		6
Total		17

Total Hours: 65

Agriculture Degree/A.A Animal Science Major

This curriculum provides an opportunity to acquire the necessary background in agricultural economics, agronomy, breeding, nutrition, pathology, and physiology for careers in animal, dairy, or poultry production and management.

Career Opportunities: Employment is available in private industry, education, and federal and state agencies. Career opportunities include: animal, dairy, and poultry production and meat processing; testing and inspecting; technical sales; and basic research.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a major in Animal Science, a student must complete a minimum of 65 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
AGRL 111	Professions in Agriculture	1
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	College Algebra	3
ARE 150	Introductory Agricultural and Agribusiness Economics	3
A&VS 150	Introduction to Animal Science	2
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
AGRL 112	Professions in Agriculture	1
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
A&VS 251	Principles of Animal Science	4
AGRL Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
CHEM 111	Survey of Chemistry	4
PLSC 206	Principles of Plant Science	4
AGEE 101	Global Food and Agricultural Industry	3
AGEE 110	Microcomputer Applications in Agricultural Education	3
GEC Elective		3
Total		17

Second Semester		Hrs.
CHEM 112	Survey of Chemistry	4
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
ARE 204	Agribusiness Management	3
GEC Elective		3
AGRL Elective		3
Total		17

Total Hours: 65

Agriculture Degree/A.A. Pre-Veterinary Medicine Major

This major has a flexible design allowing students to acquire the necessary first two years of study in agricultural biochemistry, chemistry, mathematics, physics, and modern concepts of biology. Students begin preparation for entrance to professional schools of veterinary medicine, human medicine, dentistry, optometry, pharmacy or graduate study in the fields of agricultural biochemistry, animal breeding, animal physiology and nutrition.

Career Opportunities: Professional positions are available as veterinarians, human medical doctors, dentists, optometrists and pharmacists. Other career opportunities include: federal or state agencies, food and animal production and processing, research, and agricultural sales.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Agriculture with a major in Pre-Veterinary Medicine, a student must complete a minimum of 65 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester			Hrs.
ENGL 101	Composition and Rhetoric		3
BIOL 101	General Biology		3
BIOL 103	General Biology Laboratory or BIOL 115		1
CHEM 115	Fundamentals of Chemistry		4
AGRL 111	Professions in Agriculture		1
A&VS 150	Introduction to Animal Science		2
MATH 126	College Algebra or MATH 155		3
Total			17

Second Semester			Hrs.
ENGL 102	Composition and Rhetoric		3
BIOL 102	General Biology		3
BIOL 104	General Biology Lab. or BIOL 117		1
CHEM 116	Fundamentals of Chemistry		4
AGRL 112	Professions of Agriculture		1
A&VS 251	Principles of Animal Science		4
Total			16

SECOND YEAR

First Semester			Hrs.
PHYS 101	Introductory Physics		4
CHEM 233	Organic Chemistry		3
CHEM 235	Organic Chemistry Lab.		1
MATH 128	Plane Trigonometry or GEC Elective		3
AGRL Elective			3
GEC Elective			3
Total			17

Second Semester		Hrs.
PHYS 102	Introductory Physics	4
CHEM 234	Organic Chemistry	3
CHEM 236	Organic Chemistry Lab.	1
AEM 341	General Microbiology	4
GEC Elective		3
Total		15

Total Hours: 65

Agriculture Degree/A.A.S. Agriculture Technology Major

This two-year career degree program enables the student to obtain practical knowledge and experience in the biological sciences that include the study of animals, nutrition, plants, trees and soils, agribusiness management and the environmental sciences consisting of economic policy, conservation, and resource management. The curriculum stresses the production and distribution of agricultural products, the environment, and relationships among humans as they live and work in various situations. Students gain much practical experience on the three Potomac State College farms.

Career Opportunities: Students selecting this two-year degree program prepare for employment as agricultural producers, agricultural commodities inspectors and graders, animal breeding technicians, agricultural supply store managers or staff, and various state and federal governmental positions.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Agricultural Applied Sciences with a major in Agriculture Technology, a student must complete a minimum of 63 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
AGRL 111	Professions in Agriculture	1
AGEE 103	Basics of Agricultural Mechanization	2
AGEE 110	Microcomputer Applications in Agricultural Education	3
A&VS 150	Introduction to Animal Science	2
ARE 150	Introduction to Agricultural and Agribusiness Economics	3
Total		14

Second Semester		Hrs.
BTEC 107	Business Communications	3
BTEC 109	Business Mathematics or MATH 121	3
AGRL 112	Professions in Agriculture	1
Fine Arts Elective		3
BIOL 101 or 102	General Biology	3
BIOL 103 or 104	General Biology Laboratory	1
HORT 220	General Horticulture	3
Total		17

SECOND YEAR

First Semester		Hrs.
ARE 110	Agribusiness Accounting	3
AGEE 203	Agricultural Mechanics Practica	3
PLSC 206	Principles of Plant Science	4
AGRL/EQST/FOR/HORT Elective		3
Social Science Elective		3
Total		16

Second Semester		Hrs.
A&VS 251	Principles of Animal Science	4
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
ARE 204	Agribusiness Management	3
AFCS 491	Professional Field Experience	5
Total		16

Total Hours: 63

Agriculture Degree/A.A.S. Equine Production and Management Major

This two-year career degree program enables the student to obtain practical knowledge and experience in the equine industry, including the study of business, equine care and associated services. The curriculum concentrates on equine health, management, nutrition, reproduction, selection and training. Students gain much practical and hands on experience working with the college's American Quarter Horse herd on the Potomac State College farms.

Career Opportunities: Students selecting this two-year degree program prepare for employment as farm or stable manager, breed associate representative, feed salesman, breeding manager, horse trainer, racing official, riding instructor, horse show management, nutrition technician and various other positions available in the equine industry.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Agricultural Applied Sciences with a major in Equine Production and Management, a student must complete a minimum of 63 credit-hours of required and elective course work.

Note: AGRL 111 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
AGRL 111	Professions in Agriculture	1
AGEE 110	Microcomputer Applications in Agricultural Education	3
MATH 121	Introductory Concepts of Math or MATH 126	3
EQST 101	Introduction to Equine Science	3
EQST 105	Equine Safety and Behavior	3
EQST 115	Riding Basics	1
Total		17

Second Semester		Hrs.
AGRL 112	Professions in Agriculture	1
BTEC 107	Business Communications	3
BIOL 101	General Biology or BIOL 102	3
BIOL 103	General Biology Laboratory or BIOL 104	1
ANPR 338	Horse, Livestock, and Poultry Evaluation	3
EQST 120	Introduction to Horsemanship and Training	4
Total		15

SECOND YEAR

First Semester		Hrs.
ARE 110	Agribusiness Accounting	3
PLSC 206	Principles of Plant Science	4
Social Science Elective		3
EQST 230	Advanced Horsemanship and Training	4
Total		14

Second Semester		Hrs.
ARE 204	Agribusiness Management	3
A&VS 251	Principles of Animal Science	4
EQST 240	Equine Facilities and Stable Management.	4
Fine Arts Elective		3
AGRL/ EQST Elective		3
Total		17

Total Hours: 63

Arts and Sciences Degree/A.A.

Biology Major – BS and BA

This major prepares students for professional careers in the life sciences by providing the first two years of a Bachelor of Science or Bachelor of Arts degree. It is also recommended for students planning professional study in health-related sciences.

If pursuing a Bachelor of Arts degree, six credit-hours of a foreign language at the intermediate level are required. If pursuing a Bachelor of Science degree, foreign language is not required.

Career Opportunities: Currently, biology is the most popular major for students desiring to enter medical school. However, medicine is not the only career path open to students with a biology degree. A degree in biology opens the door to a wide array of career paths. As biotechnology and concern for the environment enter all facets of everyday life, individuals with a background in biology are in demand well beyond the traditional areas of medicine, public health, research, and related fields. Students of biology are now finding opportunities in law, business, the media, and other areas.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Biology, a student must complete a minimum of 62 hours of required and elective course work.

Recommended Two-Year Sequence toward a B.S. Degree

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 115	Principles of Biology	4

CHEM 115	Fundamentals of Chemistry	4
MATH 155	Calculus 1	4
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
BIOL 117	Introductory Physiology	4
CHEM 116	Fundamentals of Chemistry	4
STAT 211	Elementary Statistical Inference	3
ORIN 270	Introduction to Health Careers (Optional)	1
Total		14-15

SECOND YEAR

First Semester		Hrs.
BIOL 219	The Living Cell	4
CHEM 233	Organic Chemistry	3
CHEM 235	Organic Chemistry Lab	1
PHYS 101	Introductory Physics	4
GEC Elective		3
Total		15

Second Semester		Hrs.
BIOL 221	Ecology and Evolution	3
CHEM 234	Organic Chemistry	3
CHEM 236	Organic Chemistry Lab	1
PHYS 102	Introductory Physics	4
GEC Electives		6
Total		17

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation.*

Recommended Two-Year Sequence toward a B.A. Degree

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 115	Principles of Biology	4
CHEM 115	Fundamentals of Chemistry	4
MATH 155	Calculus 1	4
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
BIOL 117	Introductory Physiology	4
CHEM 116	Fundamentals of Chemistry	4
MATH 156	Calculus 2	4
ORIN 270	Introduction to Health Careers (Optional)	1
Total		15-16

SECOND YEAR

First Semester	Hrs.
BIOL 219 The Living Cell	4
CHEM 233 Organic Chemistry	3
CHEM 235 Organic Chemistry Lab	1
PHYS 101 Introductory Physics	4
Foreign Language 203** or GEC Elective	3
Total	15

Second Semester	Hrs.
BIOL 221 Ecology and Evolution	3
CHEM 234 Organic Chemistry	3
CHEM 236 Organic Chemistry Lab	1
PHYS 102 Introductory Physics	4
Foreign Language 204** or GEC Elective	3
GEC Elective	3
Total	17

Total Hours: 62

**Required of first-time, first-semester students; not required for graduation.*

***Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 in their first year and six hours of GEC elective courses in the second year. Students who do not have adequate high school credit must take four semesters of study in one language.*

Business and Economics Degree/A.A. Business Administration Major

This program is for students who expect to complete a degree in the College of Business and Economics of West Virginia University in one of the following fields: accounting, business management, finance, or marketing.

Career Opportunities: A Business Administration degree is the best investment for the student who wishes to choose from a variety of careers upon graduation. The global environment of business is changing rapidly, and a broad knowledge of business combined with skills in technology is necessary to succeed.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Business and Economics with a major in Business Administration, a student must complete a minimum of 62 credit-hours of required and elective course work.

Due to the globalization of the American economy, it is highly recommended that business and economics students consider taking a minimum of six credit hours in a foreign language.

Recommended Two-Year Sequence

FIRST YEAR		Hrs.
First Semester		
ENGL 101	Composition and Rhetoric	3
ECON 201	Principles of Microeconomics	3
MATH 126	College Algebra or Math 129	3
SOCA 101	Introduction to Sociology	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ECON 202	Principles of Macroeconomics	3
MATH 150	Introduction to Calculus or MATH 155	3
CS 101	Introduction to Computer Applications	4
GEC Elective		3
Total		16

SECOND YEAR

First Semester		Hrs.
ACCT 201	Principles of Accounting	3
PSYC 101	Introduction to Psychology	3
GEC Electives		6
Laboratory Science		4
Total		16

Second Semester		Hrs.
ACCT 202	Principles of Accounting	3
STAT 211	Elementary Statistical Inference	3
GEC Electives		6
Elective (Non-business and non-economics)		3
Total		15

Total Hours: 62

**Required of first-time, first-semester students; not required for graduation.*

Business and Economics Degree/A.A. Economics Major

This program is designed for students who wish to receive a Bachelor of Science in Economics. Students who desire to receive a Bachelor of Arts in Economics should complete a modified program to be developed in consultation with the adviser.

Career Opportunities: The analytical nature of economics makes the major a very useful background for general management positions, as well as for general management and marketing consulting.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Business and Economics with a major in Economics, a student must complete a minimum of 62 credit-hours of required and elective course work.

Due to the globalization of the American economy, it is highly recommended that business and economics students consider taking a minimum of six credit hours in a foreign language.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
ECON 201	Principles of Microeconomics	3
MATH 126	College Algebra or MATH 129	3
SOCA 101	Introduction to Sociology	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ECON 202	Principles of Macroeconomics	3
MATH 150	Introduction to Calculus or MATH 155	3
CS 101	Introduction to Computer Applications	4
PSYC 101	Introduction to Psychology	3
Total		16

SECOND YEAR

First Semester		Hrs.
ACCT 201	Principles of Accounting	3
Laboratory Science		4
GEC Electives		9
Total		16

Second Semester		Hrs.
ACCT 202	Principles of Accounting	3
STAT 211	Elementary Statistical Inference	3
Elective		3
Electives (Non-business and non-economics)		6
Total		15

Total Hours: 62

**Required of first-time, first semester students; not required for graduation.*

Business Management Technology Degree/A.A.S.

The program will prepare students for positions at low and middle management levels of business, industry, and government.

Graduates of this program may apply for admission to the Bachelor of Applied Science (B.A.S.) in Business Management.

Career Opportunities: This degree provides useful preparation for many entry-level, business-related occupations including general management in manufacturing production and service industries.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Business Management Technology a student must complete a minimum of 61 credit-hours of course work.

Recommended Two-Year Sequence

FIRST YEAR		Hrs.
First Semester		
ENGL 101	Composition and Rhetoric	3
BTEC 102	Introduction to Business	3
CIS 100	Introduction to Computer Info Systems	3
CIS 113	Microcomputer Applications 1 (Word)	3
MATH 126	College Algebra	3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester			Hrs.
CIS 114	Micro Applications 2 (EXCEL)		3
CIS 116	Micro Applications 4 (ACCESS)		3
COMM 104	Public Communication		3
BTEC 109	Business Mathematics		3
COUN 230	Life Choices or		
PSYC 101	Introduction to Psychology		3
Total			15

SECOND YEAR

First Semester			Hrs.
ACCT 201	Principles of Accounting		3
BTEC 107	Business Communications		3
Lab Science			4
ECON 201	Principles of Microeconomics		3
Major Core Elective			3
Total			16

Second Semester			Hrs.
ACCT 202	Principles of Accounting		3
OSTC 223	Directed Office Experience		3
ECON 202	Principles of Macroeconomics		3
Major Core Electives			6
Total			15

Total Hours: 61

Major Core Electives: BTEC 256-Managerial Accounting, BTEC 257-Income Tax Accounting, BTEC 260-Computerized Accounting, BTEC 295-Entrepreneurship; CIS 115-Microcomputer Applications 3 (POWERPOINT), CIS 118-Web Page Design, CIS 226-Photoshop Essentials, CIS 234-Computer Graphics-Illustrator; OSTC 222-Office Automation, OSTC 240-Fundamentals of Desktop Publishing.

**Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences/A.A.

Chemistry Major

The chemistry program at Potomac State College includes the first two years of work toward a B.S. or B.A. in chemistry. Courses provide a strong foundation in general and organic chemistry. Laboratory work includes the use of instrumentation and computers. The goal of the program is to prepare students to transfer to a four-year institution and complete their bachelor's degree. Students successfully completing the course work at Potomac State are admitted to West Virginia University as junior chemistry majors.

If pursuing a Bachelor of Arts degree, six credit-hours of a foreign language at the intermediate level are required. If pursuing a Bachelor of Science degree, foreign language is not required.

Career Opportunities: Upon completion of the B.S. in chemistry, a student can secure employment as a chemist in various industries such as chemical, iron and steel, paper or petroleum. Another option is to pursue an advanced degree in chemistry such as a Masters or Doctorate.

The B.A. program allows students to pursue advanced degrees in chemistry or to apply for admission to professional schools such as medicine, pharmacy or dentistry. Admission requirements to these advanced studies can easily be accommodated within the B.A. program.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Chemistry, a student must complete a minimum of 63 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
CHEM 115	Fundamentals of Chemistry	4
MATH 155*	Calculus 1	4
GEC Elective		3
Elective		3
WVUe 191**	First-Year Seminar	(1)
Total		17

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CHEM 116	Fundamentals of Chemistry	4
MATH 156	Calculus 2	4
GEC Electives		6
Total		17

SECOND YEAR

First Semester		Hrs.
Foreign Language 101		3
CHEM 233	Organic Chemistry	3
CHEM 235	Organic Chemistry Lab.	1
MATH 251	Multivariable Calculus	4
PHYS 111	General Physics	4
Total		15

Second Semester		Hrs.
Foreign Language 102		3
CHEM 234	Organic Chemistry	3
CHEM 236	Organic Chemistry Lab.	1
CHEM 215	Introductory Analytical Chemistry or General Elective	3-4
PHYS 112	General Physics	4
Total		14-15

Total Hours: 63

**Students not qualified to start their first semester with Math 155 will start with Math 126 and 128 and finish with Math 156 in the third semester. Math 251 may be taken optionally in the fourth semester.*

***Required of first-time, first-semester students; not required for graduation.*

Computer Information Systems Degree/A.A.S.

This program provides knowledge and skills regarding hardware, software, application of microcomputers and design of information systems using microcomputers.

Career Opportunities: Occupational objectives include careers such as information center microcomputer specialist, microcomputer training specialist, and microcomputer sales. Persons in non-computer careers would enhance their performance and careers by the use and knowledge of microcomputers.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Computer Information Systems, a student needs to complete a minimum of 63 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester			Hrs.
CIS	106	PC Hardware Concepts	3
CIS	109	Networking Essentials	3
PSYC	101	Introduction to Psychology	3
MATH	126	College Algebra	3
ENGL	101	Composition and Rhetoric	3
WVUe	191*	First-Year Seminar	(1)
Total			15

Second Semester			Hrs.
CIS	107	Operating Systems	3
CIS	114	Micro Applications 2 (EXCEL)	3
CIS	116	Micro Applications 4 (ACCESS)	3
CIS	225	Internet Essentials	3
CIS	232	Visual Basic Programming I	3
Total			15

SECOND YEAR

First Semester			Hrs.
CIS	118	Web Page Design	3
BTEC	107	Business Communications	3
GEC	Elective		3
Major Core Electives			9
Total			18

Second Semester			Hrs.
CIS	250	Directed Comp Experience	3
Major Core Electives			12
Total			15

Total Hours: 63

Major Core Major Electives: CIS 100-Introduction to Computer Information Systems, CIS 113-Microcomputer Applications 1 (WORD), CIS 115-Microcomputer Applications III (POWERPOINT), CIS 226-Image Management, CIS 228-E-Commerce, CIS 229-Digital Video Essentials, CIS 234-Computer Graphics-Illustrator; ACCT 201-Principles of Accounting, ACCT 202-Principles of Accounting; BTEC 260-Computerized Accounting; OSTC 240-Desktop Publishing.

**Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Computer Science Major

The computer science curriculum prepares students in the transmission of information and provides training about computers and supporting systems and information regarding computer methods.

This program is designed for a student who wants to major in computer science at West Virginia University in either the Eberly College of Arts and Sciences or the College of Engineering and Mineral Resources after attending PSC for one year. The student **must** transfer after the first year to successfully matriculate into either program. In addition, the student must complete CS 110 and CS 111 in summer school in Morgantown before starting the sophomore year at WVU.

If the student is not capable of entering MATH 155 during the first semester, the student should consider the A.A.S. Computer Information Systems Program. Alternatively, the student could major in General Studies, but should be advised that the required courses must be completed before pursuing a Computer Science degree in Morgantown.

Recommended One-Year Sequence Eberly College of Arts and Sciences

FIRST YEAR

First Semester		Hrs.
CS 101	Introduction to Computer Applications	4
ENGL 101	Composition and Rhetoric	3
MATH 155	Calculus 1	4
GEC Lab Science Elective		4
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
MATH 156	Calculus 2	4
GEC Electives		9
Total		16

Recommended One-Year Sequence College of Engineering and Mineral Resources

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
CHEM 115	Principles of Chemistry	4
MATH 155	Calculus 1	4
ENGR 101	Engineering Problem Solving 1	2
ENGR 199	Orientation to Engineering	1
GEC Elective		3
Total		17

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CS 101	Introduction to Computer Applications	4
ENGR 102	Engineering Problem Solving 2	3
MATH 156	Calculus 2	4
GEC Electives		3
Total		17

Total Hours: 32-34

**Required of first-time, first-semester students; not required for graduation. ENGR 199 replaces WVUe 191 in the College of Engineering and Mineral Resources program.*

Criminal Justice Studies Degree/A.A. Criminal Justice Studies Major

The Associate of Arts Degree in Criminal Justice Studies Program provides students with the opportunity to complete the first two years of a criminal justice program and to transfer those credits into a four-year program. The program also allows students to earn a degree that will improve their employability in the law enforcement and corrections areas of criminal justice. The program can also be used by existing law enforcement and corrections personnel for the purpose of job enhancement.

Career Opportunities: Students with this degree often secure positions in municipal, county, or state law enforcement; as corrections officers or counselors; and as probation officers. Entry-level federal law enforcement positions can be secured with completion of a bachelor's degree.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Criminal Justice Studies, a student must complete a minimum of 63 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
CJ 101	Introduction to Criminal Justice	3
MATH 121	Introductory Concepts of Mathematics or	
MATH 126	College Algebra	3
SOCA 101	Introduction to Sociology	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CS 101	Introduction to Computer Applications	4
PSYC 101	Introduction to Psychology	3
GEC Elective		3
CJ 212	Abnormal Behavior and Crisis Intervention	3
Total		16

SECOND YEAR

First Semester		Hrs.
Natural Science and Lab	(see Graduation Requirements)	4
COMM 104	Public Communications	3
HIST 101	Western Civilization: Antiquity to 1600 or	
HIST 152	Growth of the American Nation	3
GEC Elective		3
CJ 111**	Police Operations or	
CJ 206**	Introduction to Corrections	3
Total		16

Second Semester		Hrs.
HIST 102	Western Civilization: 1600 to the Present or	
HIST 153	Making of Modern America	3
PE Elective		1
GEC Electives		6
CJ Elective		3
CJ 240	Adjudication Process	3
Total		16

Total Hours: 63

**Required of first-time, first-semester students; not required for graduation.*

***Depends on whether student is interested in law enforcement or corrections.*

Criminal Justice Studies Degree/A.A.S.

The Associate of Applied Science In Criminal Justice Studies Degree provides students—both traditional and non-traditional—with the opportunity to complete a marketable two-year degree in criminal justice. The program is designed to train men and women in law enforcement, probation and parole, and corrections. This program is also designed for those people currently working in the criminal justice system—police officers; corrections officers; juvenile, probation, and parole officers; and plant, public, and private security officers.

Graduates of this program may apply for admission to the Bachelor of Applied Science (B.A.S.) in Criminal Justice.

Career Opportunities: Students with this degree can secure entry-level positions in municipal, county, state, and some federal law enforcement agencies; private investigations; and private security.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Criminal Justice Studies with an emphasis in Law Enforcement, a student needs to complete a minimum of 62 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
PSYC 101	Introduction to Psychology	3
CS 101	Introduction to Computer Applications	4
CJ 101	Introduction to Criminal Justice	3
CJ 111	Police Operations or	
CJ 206	Introduction to Corrections	3
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
BTEC 107	Business Communications	3
SOCA 101	Introduction to Sociology	3
CJ 202	Principles of Criminal Law	3
CJ 212	Abnormal Behavior and Crisis Intervention	3
CJ Elective		3
PE Requirement		1
Total		16

SECOND YEAR

First Semester		Hrs.
POLS 220	State and Local Government	3
SOCA 233	Juvenile Delinquency	3
CJ 240	Adjudication Process	3
CJ 204	Police Defense Tactics	3
CJ Elective		3
Total		15

Second Semester		Hrs.
MATH 121	Introductory Concepts of Mathematics	3
COMM 104	Public Communication	3
CJ 295	Field Practicum	3
CJ 225	Criminal Procedure and Constitutional Law	3
CJ Elective		3
Total		15

Total Hours: 62

**Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Pre-Dentistry Major

West Virginia University does not offer a Pre-Dentistry major at the baccalaureate level. Students contemplating application to a School of Dentistry at West Virginia University or elsewhere must first obtain a B.A. or B.S. degree. Students are selectively admitted to any dental school and final acceptance is contingent upon satisfactory completion of all requirements imposed by the professional school in question.

Pre-Dentistry students at Potomac State College should major in Biology. Requirements of the A.A. in Biology include the following courses required for admission to the School of Dentistry at West Virginia University:

- English 101 and 102
- General Biology 101, 102, 103, and 104
- Chemistry 115 and 116
- Chemistry 233, 234, 235, and 236
- Physics 101 and 102

A faculty member familiar with the admissions requirements of Schools of Dentistry is assigned to advise Pre-Dentistry students. For further information, students should consult the West Virginia University Health Sciences Center catalog.

Dental Hygiene

Potomac State College does not offer a pre-dental hygiene major at the associate's level; however, the following courses are required for most dental hygiene programs and can be taken at Potomac State College.

Students wanting to enter a dental hygiene program should follow the general studies major at Potomac State College and incorporate the following courses: BIOL 101, 102, 103 and 104; CHEM 111 and 112; MATH 126; COMM 104; PSYC 101 and 241; SOCA 101; HN&F 171; ENGL 101 and 102. It is recommended that students contact the institution to which they plan to transfer to before enrolling in these courses to ensure transferability and program requirements.

Education Degree/A.A. Programs for Elementary Education

All students preparing to teach early and middle childhood must complete requirements for the Multi-Subjects K-6* Program. They must also select at least one of the following specialization options.

Specializations for Grades 5-9

- French
- General Science
- Language arts
- Mathematics
- Social studies
- Spanish

Specializations for K-12*

- Special Education, Multi-categorical (BD, LD, MI)

Specializations for Early Childhood

- Birth through age four. Pre-kindergarten and kindergarten

*Change under review.

Programs for Secondary Education, Grades 5-12 and 9-12

Students preparing to teach secondary education may select approved combinations of specializations in the following subjects and grade levels.

Specializations in Grades 5-12

- English
- French
- General science
- Mathematics
- Social studies
- Spanish

Specializations in Grades 9-12

- Biology
- Chemistry
- Journalism
- Physics

Education Degree/A.A.

Birth through Pre-K Early Childhood Education Major

The Birth through Pre-K Early Childhood Education major focuses on the social, emotional, intellectual, and physical development of children. This program will prepare students to plan programs, perform developmental assessments, and interact with young children in developmentally appropriate settings; plan and implement pre-school programming; and work with infants and toddlers in child care placements.

Career Opportunities: Positions may be found in a variety of settings including child care centers, Head Start, nursery schools, hospitals, and human service agencies. Graduates with a bachelor's degree also work with parents in educational settings.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Education with a major in Birth through Pre-K Early Childhood, a student needs to complete a minimum of 62 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
CDFS 110	Families Across the Life-Span	3
HN&F 171	Introduction to Human Nutrition	3
PSYC 101	Introduction to Psychology	3
CS 101	Introduction to Computer Applications	4
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CDFS 112	Introduction to Marriage and the Family	3
MATH 121	Introductory Concepts of Mathematics or	
MATH 126	College Algebra	3
SOCA 101	Introduction to Sociology	3
GEC Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
CDFS 210	Introduction to Parenting	3
PE 139	Kinder Skills-Gym	2
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
EDUC 100	Education Colloquium	1
CHPR 172	First Aid and Emergency Care	2
GEC Elective		3
Total		15

Second Semester		Hrs.
CDFS 211	Infant Development	4
CDFS 212	Early Childhood Development	3
SOCA 105	Introduction to Anthropology	3
COMM 100	Principles of Human Communication	1
COMM 102	Human Communication in the Interpersonal Context	2
GEC Elective		3
Total		16

Total Hours: 62

*Required of first-time, first-semester students; not required for graduation.

**Education Degree/A.A.
Elementary Education Major**

In order to earn an Associate of Arts Degree in Education with a major in Elementary Education, a student needs to complete a minimum of 63 credit hours of required and elective course work.

Those students intending to transfer to West Virginia University will select among the following courses to meet the WVU Multi-Subjects K-6 program:

- History 152 and 153 and an English literature elective 9 credit-hours.
- Psychology 101 and 241, Geography 102, and Sociology 105 12 credit hours.
- Biology 101/103, 102/104, and Geology 101/102 12 credit hours.
- Physics 105 and Chemistry 111. 8 credit hours.

Additional courses are required in each endorsement. Students needing these courses to complement the 63 credit-hour minimum required to earn an Associate of Arts Degree in Education should consult with their advisers to determine which courses are best suited to their area of emphasis.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
EDUC 100	Education Colloquium	1
MATH 126	College Algebra	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
SOCA 105	Introduction to Anthropology	3
WVUe 191*	First-Year Seminar	(1)
Total		14

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
MATH 128	Plane Trigonometry	3
PSYC 101	Introduction to Psychology	3
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
Elective		3
Total		16

SECOND YEAR

First Semester			Hrs.
HIST 152	Growth American Nation		3
English Literature Elective			3
GEOG 102	World Regions		3
GEOL 101	Planet Earth		3
GEOL 102	Planet Earth Laboratory		1
CHEM 111	Survey of Chemistry		4
Total			17

Second Semester			Hrs.
EDUC 200	Professional Inquiry in Education		3
HIST 153	Making Modern America		3
STAT 211	Elementary Statistical Inference		3
PSYC 241	Introduction to Human Development		3
PHYS 105	Conceptual Physics		4
Total			16

Total Hours: 63

**Required of first-time, first semester students; not required for graduation.*

Education Degree/A.A.

Secondary Education Major

In order to earn an Associate of Arts Degree in Education with a major in Secondary Education, a student needs to complete a minimum of 62 credit-hours of required and elective course work.

Either Math 121 or 126 may be required. The student should consult with the adviser to determine which is needed and/or accepted for specialization at WVU.

As regards GEC elective course work, the specific courses a student should take for transfer depend on the area of emphasis he or she is planning on specializing in and on the institution to which he or she plans to transfer. Consultation with an education adviser at PSC and at the transfer institution is highly recommended.

Recommended Two-Year Sequence

FIRST YEAR

First Semester			Hrs.
ENGL 101	Composition and Rhetoric		3
EDUC 100	Education Colloquium		1
HIST 101, 102	or other*		3
Laboratory Science*			4
PSYC 101	Introduction to Psychology		3
SPAN 101**	or elective***		3
WVUe 191****	Orientation		(1)
Total			17

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
MATH 121	Introductory Concepts of Mathematics or	
MATH 126	College Algebra*	3
PSYC 241	Introduction to Human Development	3
GEC Elective		3
SPAN 102**	or elective***	3
Total		15

SECOND YEAR

First Semester		Hrs.
Natural Science with Laboratory*		3-4
HIST 152, 153	or other*	3
SOCA 105	or other*	3
SPAN 203**	or elective***	3
Elective***		3
Total		15

Second Semester		Hrs.
EDUC 200	Professional Inquiry in Education	3
GEC Elective		3
GEOG 102	or other*	3
SPAN 204**	or elective***	3
Elective***		3
Total		15

*Consult academic advisor for specialization specific GEC requirements.

**Required for all students transferring to B.A. programs.

***Consult academic advisor for specialization-specific electives.

****Required of first-time, first semester students; not required for graduation.

Engineering Degree/A.A.

Civil Engineering Major

Career Opportunities: Traditional areas of professional specialization for civil engineers include environmental engineering, geotechnical engineering, water resource and hydrotechnical engineering, public works and urban planning, transportation engineering, structural engineering and construction engineering. The list has expanded to encompass analytical and physical modeling, materials science, nondestructive testing, robotics and artificial intelligence, advanced instrumentation, and computer-aided engineering.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Engineering with a major in Civil Engineering, a student must complete a minimum of 67 credit-hours of required and elective course work.

Note: ENGR 199 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
ENGR 101	Engineering Problem Solving 1	2
ENGR 199	Orientation to Engineering	1
MATH 155	Calculus 1	4
GEC Electives		6
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ENGR 102	Engineering Problem Solving 2	3
MATH 156	Calculus 2	4
CHEM 115	Principles of Chemistry	4
GEC Elective		3
Total		17

SECOND YEAR

First Semester		Hrs.
MATH 251	Multivariable Calculus	4
PHYS 111	General Physics I	4
MAE 241	Statics	3
GEC Electives		6
Total		17

Second Semester		Hrs.
MATH 261	Elementary Differential Equations	4
PHYS 112	General Physics II or	
CHEM 116	Fundamentals of Chemistry	4
MAE 242	Dynamics	3
MAE 243	Mechanics of Materials	3
MAE 320	Thermodynamics	3
Total		17

Total Hours: 67

Engineering Degree/A.A. Electrical Engineering Major

Career Opportunities: Electrical and electronics engineers hold 36 percent of the engineering jobs in the U.S., making it the largest branch of engineering. Most jobs are in firms that manufacture computers, communication equipment, electrical and electronic equipment, business machines, professional and scientific equipment, and aircraft and aircraft parts.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Engineering with a major in Electrical Engineering, a student must complete a minimum of 70 credit-hours of required and elective course work.

Note: ENGR 199 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
ENGR 101	Engineering Problem Solving 1	2
ENGR 199	Orientation to Engineering	1
MATH 155	Calculus 1	4
GEC Elective		3
ECON 201	Principles of Microeconomics	3
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ENGR 102	Engineering Problem Solving 2	3
MATH 156	Calculus 2	4
CHEM 115	Principles of Chemistry	4
ECON 202	Principles of Macroeconomics	3
Total		17

SECOND YEAR

First Semester		Hrs.
MATH 251	Multivariable Calculus	4
PHYS 111	General Physics I	4
MAE 241	Statics	3
EE 221	Introduction to Electrical Engineering	3
EE 222	Introduction to Electrical Engineering Lab	1
CPE 271	Introduction to Digital Logic Design	3
Total		18

Second Semester		Hrs.
MATH 261	Elementary Differential Equations	4
PHYS 112	General Physics II	4
EE 223	Electrical Circuits	3
EE 224	Electrical Circuits Laboratory	1
Math/Science Elective (CHEM 116 recommended)		4
GEC Electives		3
Total		19

Total Hours: 70

Engineering Degree/A.A. Mechanical Engineering Major

Career Opportunities: More than three out of five jobs are in manufacturing. Of these, many are in the machinery, transportation equipment, electrical equipment, instruments, and fabricated metal products industries.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Engineering with a major in Mechanical Engineering, a student must complete a minimum of 68 credit-hours of required and elective course work.

Note: ENGR 199 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
ENGR 101	Engineering Problem Solving 1	2
ENGR 199	Orientation to Engineering	1
MATH 155	Calculus 1	4
GEC Electives		6
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ENGR 102	Engineering Problem Solving 2	3
MATH 156	Calculus 2	4
CHEM 115	Principles of Chemistry	4
GEC Elective		3
Total		17

SECOND YEAR

First Semester		Hrs.
MATH 251	Multivariable Calculus	4
PHYS 111	General Physics I	4
MAE 241	Statics	3
EE 221	Introduction to Electrical Engineering	3
EE 222	Introduction to Electrical Engineering Lab	1
GEC Elective		3
Total		18

Second Semester		Hrs.
MATH 261	Elementary Differential Equations	4
PHYS 112	General Physics II	4
MAE 242	Dynamics	3
MAE 243	Mechanics of Materials	3
MAE 320	Thermodynamics	3
Total		17

Total Hours: 68

Arts and Sciences Degree/A.A. English

Career Opportunities: A degree in English offers many opportunities. Four-year graduates continue their education by attending graduate school or use their English degree as a pre-professional degree for medical or law school. Still others become associated with writing in media-related fields, creative writing, or management positions. Business and industry leaders consistently call for applicants with a solid command of written and spoken English. Jobs available to graduates include administrative assistant, customer service representative, editor, management trainee, office manager, and public information specialist.

Requirements for Graduation

In order to earn an Associate of Arts Degree in English, a student must complete a minimum of 62 credit hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
Foreign Language 101 or 203*		3
ENGL 241	American Literature or	
ENGL 261	British Literature	3
GEC Electives		6
WVUe 191**	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
Foreign Language 102 or 204**		3
ENGL 241	American Literature or	
ENGL 261	British Literature	3
GEC Electives		6
Total		15

SECOND YEAR

First Semester		Hrs.
Foreign Language 203 (if needed)*		3
ENGL 242	American Literature or	
ENGL 262	British Literature	3
Natural Science with Laboratory		4
MATH 121	Introductory Concepts of Math or	
MATH 126	College Algebra	3
GEC Elective		3
Total		16

Second Semester		Hrs.
Foreign Language 204 (if needed)*		3
ENGL 242	American Literature or	
ENGL 262	British Literature	3
GEC Electives		6
Elective		4
Total		16

Total Hours: 63

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204. Students who do not have adequate high school credit must take four semesters of study in one language.*

***Required of first-time, first semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Environmental Geoscience Major

The Associate of Arts Degree in Environmental Geoscience allows students to develop a basic understanding of the physical make-up of the environment, explore the various types of natural resources, examine how humans have impacted the environment, and survey environmental problems and issues.

Career Opportunities: Career options for individuals with a B.A. in Environmental Geoscience include environmental planner, environmental compliance specialist, water resource planner/specialist, environmental sampling technician, natural resource planner, environmental scientist, environmental protection specialist, environmental educator, remote sensing scientist, and geographic information specialist.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Environmental Geoscience, a student must complete a minimum of 61 credit-hours of required and elective course work.

Restricted electives in this program are: Accounting 201 and 202; Biology 101, 102, 103, and 104 or Biology 115 and 116; Computer Science 101; Math 155; Statistics 211; and Agronomy 202 and 203.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
GEOL 101	Planet Earth	3
GEOL 102	Planet Earth Lab	1
Math 126	College Algebra	3
Foreign Language 203		3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
GEOL 103	Earth through Time	3
GEOL 104	Earth through Time Lab	1
MATH 128	Plane Trigonometry	3
GEC Elective		3
Foreign Language 204		3
Total		16

SECOND YEAR

First Semester		Hrs.
CHEM 111	Survey of Chemistry	4
PHYS 105	Physics	4
GEC Elective		3
Restricted Elective		3
Total		14

Second Semester

Second Semester		Hrs.
GEOG 205	Natural Resources	3
GEC Electives		6
Restricted Electives		6
Total		15

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Fashion Merchandising Major

Offered in collaboration with the Division of Design and Merchandising at West Virginia University, this program prepares students for study at the baccalaureate level and to pursue a variety of career tracks, including fashion merchandising, wholesale marketing, management, and product development.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Fashion Merchandising, a student must complete a minimum of 62 credit hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
ECON 201	Principles of Microeconomics	3
MATH 126	College Algebra	3
SOCA 101	Introduction to Sociology	3
Free Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
FDM 110	Introduction to Fashion Business	3
PSYC 101	Introduction to Psychology	3
ACCT 201	Principles of Accounting	3
CS 101	Introduction to Computer Applications	4
Total		16

SECOND YEAR

First Semester		Hrs.
FDM 140	Introduction to Textiles	3
ARHS 101	Landmarks of World Art or	
ARHS 120	Survey of Art History 1 or	
ARHS 160	Survey of Art History 2	3
BUSA 320	Survey of Management	3
BUSA 330	Survey of Marketing	3
Laboratory Science		4
Total		16

Second Semester		Hrs.
ADV 215	Principles of Advertising	3
SPA 270	Effective Public Speaking	3
GEC Electives		6
Free Electives		3
Total		15

Total Hours: 62

**Required of first-time, first-semester students; not required for graduation.*

Forestry Degree/A.A. Recreation and Parks Management Major

Career Opportunities: Upon completion of the four-year program, students are prepared for a wide variety of professional recreation and parks responsibilities with local, state and federal government agencies, land managing agencies, private and commercial recreational organizations, and agencies serving special populations.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Forestry with a major in Recreation and Parks Management, a student must complete a minimum of 63 credit hours of required and elective course work.

Note: FOR 101 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
MATH 126	College Algebra	3
CS 101	Introduction to Computer Applications	4
FOR 101	Careers in Natural Resources Management	1
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
FOR 203	Careers in Natural Resources	1
WMAN 150	Principles of Conservation Ecology	3
GEC Electives		9
Total		16

SECOND YEAR

First Semester		Hrs.
PSYC 101	Introduction to Psychology	3
CHEM 111	Survey of Chemistry	4
FOR 140	West Virginia's Natural Resources	3
FOR 205	Dendrology	3
PLSC 206	Principles of Plant Science	4
Total		17

Second Semester		Hrs.
SOCA 101	Introduction to Sociology or	
SOCA 105	Introduction to Anthropology	3
COMM 104	Public Communication	3
STAT 211	Elementary Statistical Inference	3
GEC Elective		3
FMAN 212	Forest Ecology	3
Total		15

Total Hours: 63

Forestry Degree/A.A. Resources Management Major

Career Opportunities: Upon completion of the four-year program, the student will be trained in a balanced approach to forest management. Graduates will have a wide range of employment opportunities with state and federal agencies as well as with private industry.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Forestry with a major in Forest Resources Management, a student must complete a minimum of 63 credit-hours of required and elective course work.

Note: FOR 101 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
MATH 126	College Algebra	3
CHEM 111	Survey of Chemistry	4
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
FOR 101	Careers in Natural Resources Management	1
GEC Elective		3
Total		18

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
MATH 155	Calculus or	
MATH 150	Introduction to Calculus	4
CHEM 112	Survey of Chemistry	4
CS 101	Introduction to Computer Applications	4
Total		14 or 15

SECOND YEAR

First Semester		Hrs.
FOR 203	Careers in Natural Resources Management	1
FOR 205	Dendrology	3
ECON 201	Principles of Microeconomics	3
STAT 211	Elementary Statistical Inference	3
PLSC 206	Principles of Plant Science	4
GEC Elective		3
Total		17

Second Semester		Hrs.
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
ECON 202	Principles of Macroeconomics	3
FMAN 212	Forest Ecology	3
FMAN 222	Forest Mensuration	4
Total		14

Total Hours: 63 or 64

Forestry Degree/A.A. Wildlife Resources Major

Career Opportunities: Upon completion of the four-year program, the student is prepared for professional positions such as wildlife and fish biologists, wildlife managers, planners of wildlife conservation programs, and wildlife communication specialists. Students obtain a diverse background in biology, ecology, and natural resource management.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Forestry with a major in Wildlife Resources, a student must complete a minimum of 66 credit-hours of required and elective course work

Students wishing to enter the science option in the Wildlife and Fisheries program at West Virginia University should complete MATH 150. Students **not** entering the science option may substitute CHEM 111-112 for CHEM 115 and 116 and BIOL 101-104 for BIOL 115 and 117.

Note: FOR 101 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 115	Principles of Biology	4
MATH 126	College Algebra	3
CHEM 115	Fundamentals of Chemistry	4
FOR 101	Careers in Natural Resources Management	1
GEC Elective		3
Total		18

Second Semester

		Hrs.
ENGL 102	Composition and Rhetoric	3
BIOL 117	Introductory Physiology	4
SPA 270	Effective Public Speaking	3
CHEM 116	Fundamentals of Chemistry	4
WMAN 150	Principles of Conservation Ecology	3
Total		17

SECOND YEAR

First Semester		Hrs.
FOR 203	Careers in Natural Resources Management	1
FOR 205	Dendrology	3
ECON 201	Principles of Microeconomics	3
STAT 211	Elementary Statistical Inference	3
PLSC 206	Principles of Plant Science	4
GEC Elective		3
Total		17

Second Semester

		Hrs.
AGRN 202	Principles of Soil Science	3
AGRN 203	Principles of Soil Science Lab	1
CS 101	Introduction to Computer Applications	4
FMAN 212	Forest Ecology	3
GEC Elective		3
Total		14

Total Hours: 66

Forestry Degree/A.A. Wood Industries Major

Career Opportunities: Upon completion of the four-year program students will find that employment opportunities are available in procurement, management, production, marketing, research and development with both primary and secondary wood product industries.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Forestry with a major in Wood Industries, a student must complete a minimum of 61 credit-hours of required and elective course work.

Note: FOR 101 replaces WVUe 191 as a first-semester requirement.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
FOR 101	Careers in Natural Resources Management	1
MATH 126	College Algebra	3
ECON 201	Principles of Microeconomics	3
GEC Elective		3
Total		17

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CS 101	Introduction to Computer Applications	4
SPA 270	Effective Public Speaking	3
ECON 202	Principles of Macroeconomics	3
Total		13

SECOND YEAR

First Semester		Hrs.
FOR 203	Careers in Natural Resources	1
FOR 205	Dendrology	3
CHEM 111	Survey of Chemistry	4
MATH 150	Introduction to Calculus	3
PHYS 101	Introductory Physics	4
GEC Elective		3
Total		18

Second Semester		Hrs.
STAT 211	Elementary Statistical Inference	3
FMAN 222	Forest Mensuration	4
GEC Electives		6
Total		13

Total Hours: 61

Arts and Sciences Degree/A.A. General Studies Major

This major serves a three-fold function: (1) to provide an opportunity to examine the general areas of higher education and assist in choosing a major field of concentration; (2) to serve as a program that, through appropriate elective courses, can be adapted for the specific requirements of any four-year college to which a student transfers; and (3) to provide a career curriculum for a student who does not plan to continue in a four-year program.

Requirements for Graduation

In order to earn an Associate of Arts Degree in General Studies, a student must complete 62 hours of general education curriculum and elective course work:

GEC 1: English 101 and 102	6 credit-hours.
GEC 2.A: Mathematics or Statistics*	3 credit-hours.
GEC 2.B: Laboratory Science	4 credit-hours.
GEC 2.B: Mathematical Skills and Scientific Inquiry	3 credit-hours.
GEC 2.C: Mathematical Skills and Scientific Inquiry	3-4 credit-hours.
GEC 3: The Past and Its Traditions	3 credit-hours.
GEC 4: Contemporary Society	3 credit-hours.
GEC 5: Artistic Expression.	3 credit-hours.
GEC 6: The Individual in Society	3 credit-hours.
GEC 6: WVUe 191 or equivalent.	1 credit-hour.
GEC 7: American Culture.	3 credit-hours.
GEC 8: Western Culture.	3 credit-hours.
GEC 9: Non-Western Culture.	3 credit-hours.
Electives:	21 credit-hours.
Total Hours:	62 credit-hours.

*Any mathematics or statistics course excluding MATH 090, 091, 092, 093 and BTEC 109 (Business Math). MATH 121 or MATH 126 is recommended. Students should check with the institution to which they plan to transfer to determine which math course is preferred.

NOTE:

1. Students must work closely with advisers in selecting appropriate elective courses.
2. Students planning to transfer to another college or university should work closely with their advisers for appropriate elective course selection.
3. Students must meet GEC distribution requirements.
4. WVUe 191 (1 credit hour) is required of first-time, first-semester students but is not required for graduation.

Arts and Sciences Degree/A.A.

Geology Major

Career Opportunities: A major in geology prepares students for professional positions in industry and government services, as well as other career options.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Geology, a student must complete a minimum of 62 credit-hours of requires and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
GEOL 101	Planet Earth	3
GEOL 102	Planet Earth Lab	1
MATH 126	College Algebra	3
GEC Electives		6
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
GEOL 103	Earth through Time	3
GEOL 104	Earth through Time Lab	1
MATH 128	Plane Trigonometry	3
GEC Electives		6
Total		16

SECOND YEAR

First Semester		Hrs.
GEC Elective		3
CHEM 115	Fundamentals of Chemistry	4
PHYS 101	Introductory Physics	4
MATH 155	Calculus 1	4
Total		15

Second Semester		Hrs.
GEC Elective		3
CHEM 116	Fundamentals of Chemistry	4
PHYS 102	Introductory Physics	4
MATH 156	Calculus 2 or	
STAT 211	Elementary Statistical Inference	3 or 4
Total		15

Total Hours: 62

*Required of first-time, first-semester students; not required for graduation.

Arts and Sciences Degree/A.A. History Major

Career Opportunities: About 20,000 people are full-time historians in colleges and universities. Historians also work in archives, libraries, museums, historical societies, historic preservation societies, publishing houses, large corporations, and state and local governments. The federal government employs historians in the National Archives, Smithsonian Institution, and the U.S. Departments of Defense, the Interior and State. Other historians work in politics, journalism, business, and nonprofit management.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in History, a student must complete a minimum of 61 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester	Hrs.
ENGL 101 Composition and Rhetoric	3
Foreign Language 101 or 203*	3
HIST Elective**	3
GEC Electives	6
WVUe 191*** First-Year Seminar	(1)
Total	15

Second Semester

Second Semester	Hrs.
ENGL 102 Composition and Rhetoric	3
Foreign Language 102 or 204*	3
HIST Elective**	3
GEC Electives	6
Total	15

SECOND YEAR

First Semester	Hrs.
Elective or Foreign Lang. 203 (if needed)*	3
HIST Elective**	3
Mathematics 121 or 126	3
Laboratory Science	4
GEC Elective	3
Total	16

Second Semester

Second Semester	Hrs.
Elective or Foreign Lang. 204 (if needed)*	3
HIST Elective**	3
GEC Electives	9
Total	15

Total Hours: 61

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 (see Second Year above) and six hours of electives. Students who do not have adequate high school credit must take four semesters of study in one language.*

***History electives include 101, 102, 106, 152, 153, 179, and 180.*

****Required of first-time, first-semester students; not required for graduation.*

Tourism and Hospitality Degree-A.A.S.

This program provides students—both traditional and non-traditional—with the opportunity to complete a marketable two-year degree with a major in hospitality. Through required coursework, students will gain an in-depth knowledge of the job opportunities, key concepts, and skills related to hospitality and tourism businesses. Through a required internship, students will gain employment training in a variety of job-related areas relevant to tourism and hospitality.

Career Opportunities: Students will be prepared to obtain employment in the hospitality industry. Additionally, if desired, a student may use the knowledge and skills gained in the program to become self-employed in a related field.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Tourism and Hospitality, the student must complete a minimum of 62 credit-hours of required course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
HTOR 120	Certification in Sanitation	2
HTOR 110	Food Production I	6
HTOR 130	Food, Beverage, Inventory, Labor, and Cost Control	3
ENGL 101	Composition and Rhetoric	3
WVUe 191	Orientation	(1)
Total		14

Second Semester

Second Semester		Hrs.
HTOR 111	Food Production II	6
CS 101	Introduction to Computer Applications	4
BTEC 109	Business Mathematics	3
BTEC 107	Business Communications	3
Total		16

SECOND YEAR

First Semester		Hrs.
HTOR 140	Restaurant Management	6
BTEC 101	Introduction to Management or	
BTEC 103	Personnel Management	3
ACCT 201	Principles of Accounting	3
CHPR 172	First Aid and Emergency Care	2
Total		14

Second Semester

Second Semester		Hrs.
HTOR 141	Kitchen Layout	3
HTOR 150	Fine Dining	3
HTOR 295	Internship	6
BTEC 260	Computerized Accounting	3
HN&F 171	Introduction to Human Nutrition	3
Total		18

Total Hours: 62

Journalism Degree/A.A. Journalism Major

The journalism program at Potomac State College is a hands-on learning experience in writing, communications, graphic design, and teamwork. Prior journalism experience is not required. Freshmen journalism students volunteer on the student newspaper: writing news and editorials; designing and selling advertising; taking pictures. Sophomore journalism majors run the student paper as news editors, sports editors, photo editors and more.

The journalism curriculum transfers directly to the Perley Isaac Reed School of Journalism at WVU. Students may take the JQE, a WVU journalism admissions test, at Potomac State. Many other university transfer options are also available.

Potomac State's newsroom combines a comfortable classroom seminar environment with a modern desktop publishing system. Academic advising, tutoring, computer lab time, individual attention and small class size characterize the journalism program.

Career Opportunities: The journalism major is prepares graduates for advanced studies in reporting, broadcasting, advertising, public relations, editing, photography, and related careers. Journalism majors have the unique opportunity to display examples of their published work for university admissions boards and prospective employers. Some graduates choose a career in journalism after two years of study.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Journalism, a student needs to complete a minimum of 62 credit-hours of required and elective course work.

It is recommended that Journalism majors take VISJ 220 as one of the elective courses required to meet the minimum of 62 credit-hours needed for graduation.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
JRL 101	Introduction to Mass Communications	3
Foreign Language or GEC Elective		3
MATH 126	College Algebra or	
MATH 121	Introductory Concepts of Mathematics	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
JRL 215	Media Writing	3
Foreign Language or GEC Elective		3
GEC Elective		3
Electives		3
Total		15

SECOND YEAR

First Semester		Hrs.
JRL 318	Reporting for Print Media	3
Laboratory Science		4
GEC Electives		6
GEC Elective in Literature		3
Total		16
Second Semester		Hrs.
JRL 319	Copy Editing and Desktop Production	3
ULIB 101	Introduction to Library Research	1
GEC Electives		6
VISJ 220	Introduction to Photography or Elective	3
Elective		3
Total		16

Total Hours: 62

**Required of first-time, first semester students; not required for graduation.*

Arts and Sciences Degree/A.A.

Pre-Law Major

West Virginia University does not offer a Pre-Law major at the baccalaureate level. Students contemplating application to a graduate College of Law offering the J.D. degree at West Virginia University or elsewhere must first obtain a B.A. or B.S. degree. They must further demonstrate a high degree of academic ability, as Colleges of Law have competitive admissions requirements, based on the student's undergraduate record and performance on the Law School Admissions Test (LSAT).

Pre-Law students at Potomac State College are advised by a member of the legal profession, who will assist students in selecting a major that will facilitate their entrance to a College of Law upon completion of the B.A. or B.S. Among the more popular majors for such students are Business, Criminal Justice, English, and Political Science. Much depends on the kind of law the student hopes to practice after earning the Jurist Doctor degree. Students should consult the Pre-Law advisor regarding an appropriate major, and should select POLS 210, *Law and the Legal System*, as an elective within their chosen degree and major.

Liberal Arts and Sciences: See GENERAL STUDIES

Arts and Sciences Degree/A.A.

Mathematics Major

The field of mathematics provides courses for education; computer science and technology; physical, natural, and social sciences; and business and economics.

If a student is pursuing a Bachelor of Arts degree, six credit-hours of a foreign language at the intermediate level are required.

Career Opportunities: Most non-faculty mathematicians work in the government and in service and manufacturing industries. The Department of Defense is the primary federal employer of mathematicians. In the private sector, major employers within services industries include research and testing services, educational services, and computer and data processing services. Some mathematicians also work for banks, insurance companies, and public utilities.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Mathematics, a student must complete a minimum of 62 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
Foreign Language 101 or 203*		3
MATH 155	Calculus 1**	4
GEC Electives		6
WVUe 191***	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
Foreign Language 102 or 204*		3
MATH 156	Calculus 2	4
GEC Electives		6
Total		16

SECOND YEAR

First Semester		Hrs.
Foreign Language 203 or GEC Elective		3
MATH 251	Multivariable Calculus	4
Laboratory Science		4
GEC Elective		3
Total		14

Second Semester		Hrs.
Foreign Language 204 or GEC Elective		3
MATH 261	Differential Equations	4
GEC Electives		9
Total		16

Total Hours: 62

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 (see Second Year above) and six hours of elective credits. Students who do not have adequate high school credit must take four semesters of study in one language.*

***Some students may need to take prerequisite math courses before taking MATH 155.*

****Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Pre-Medical Laboratory Science

This program fulfills the necessary first two years of undergraduate study required for admittance to the Bachelor of Science degree program in medical laboratory science offered by the West Virginia University School of Medicine.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Pre-Medical Laboratory Science, a student must complete a minimum of 61 credit-hours of required and elective course work.

Application for admission into the junior year (first year in the undergraduate Medical Laboratory Science Program of the School of Medicine) should be made before the beginning of the second semester of the sophomore year.

Students, whether at WVU or at Potomac State College, are not transferred automatically from the pre-professional course (first two years) to the professional course (third and fourth years). Students are selectively admitted to the program for their final two years of work. Application forms for admission to the professional course are available after December 1 from the office of the Director of Admissions and Records, Medical Center. These forms should be completed and returned to that office no later than March 1, if the student expects to enter the succeeding first semester classes.

Admission to the third year is on the recommendation of the Admissions Committee to the Dean of the School of Medicine. A personal interview with the Committee is required.

Applicants should have a minimum grade-point average of 2.5 (both cumulatively and in science). Applicants with less than a 2.5 GPA (either cumulative or science) may be admitted on probation. Applicants with less than a 2.0 GPA, either cumulative or in the sciences, will not be admitted.

Students who contemplate graduate study should include course work in a foreign language in their program.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
CHEM 115	Fundamentals of Chemistry	4
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	or higher	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		17

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
CHEM 116	Fundamentals of Chemistry	4
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
GEC Elective		3
ORIN 270	Introduction to Health Careers	1
Total		15

SECOND YEAR

First Semester		Hrs.
CHEM 233	Organic Chemistry**	3
CHEM 235	Organic Chemistry Lab**	1
STAT 211	Elementary Statistical Inference	3
GEC Electives		9
Total		16

Second Semester		Hrs.
CHEM 234	Organic Chemistry**	3
CHEM 236	Organic Chemistry Lab**	1
GEC Electives		9
Total		13

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation.*

***Students may consider taking a brief course in organic chemistry off-campus, which covers both aliphatic and aromatic compounds and includes a laboratory. Chemistry 231 offered on the Morgantown campus would satisfy the organic chemistry requirement.*

Arts and Sciences Degree/A.A. Pre-Medicine Major

West Virginia University does not offer a Pre-Medicine major at the baccalaureate level. Students contemplating application to a School of Medicine at West Virginia University or elsewhere must first obtain a B.A. or B.S. degree.

Students seeking to become a M.D. should major in biology, since the program incorporates course requirements essential for admittance to medical school.

Students are selectively admitted to any medical school and final acceptance is contingent upon satisfactory completion of all requirements imposed by the professional school in question.

A faculty member familiar with the admissions requirements of medical schools is assigned to advise Pre-Medicine students. For further information, students should consult the West Virginia University Health Sciences Center catalog.

Students who are considering further education and a career in medicine or other health sciences fields should review the variety of pre-professional programs available at Potomac State College. These include Pre-Medicine, Pre-Dentistry, Pre-Medical Laboratory Science, Pre-Nursing, Pre-Pharmacy, Pre-Occupational Therapy, and Pre-Physical Therapy. Each of these careers has different educational requirements beyond the A.A. level.

Arts and Sciences Degree/A.A. Modern Languages Major

Career Opportunities: Due to globalization, extensive travel, and international commerce, having a degree in Modern Languages can be advantageous in the job market.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a Modern Languages Major, a student must complete a minimum of 61 credit-hours of required and elective course work.

Six credit-hours in each of two foreign languages at the intermediate level are required. Students may have to take the first year of one language or both languages as prerequisite to taking the intermediate level course work.

Students who have successfully completed two years of a foreign language in high school may enroll in the *intermediate* courses (i.e. courses numbered 203 and 204) in the same language if they expect to continue with that language. They have the option of taking a Placement Test to obtain retroactive credit. Students who have not taken foreign language, or wish to begin work in a language different from that taken in high school, should enroll in the *elementary* language courses (i.e. courses numbered 101 and 102). Only Spanish is offered at the College, but students may receive credit for high school courses in another language based on placement scores.

Recommended Two-Year Sequence

FIRST YEAR

First Semester	Hrs.
ENGL 101 Composition and Rhetoric	3
Foreign Language 101 or 203	3
GEC Electives	6
Laboratory Science	4
WVUe 191* First-Year Seminar	(1)
Total	16

Second Semester	Hrs.
ENGL 102 Composition and Rhetoric	3
Foreign Language 102 or 204	3
GEC Electives	9
Total	15

SECOND YEAR

First Semester	Hrs.
Foreign Language 203 (if needed)	3
Foreign Language 101 or 203	3
MATH 121 Introductory Concepts of Mathematics or	
MATH 126 College Algebra	3
GEC Electives	6
Total	15

Second Semester	Hrs.
Foreign Language 204 (if needed)	3
Foreign Language 102 or 204	3
GEC Elective	3
Electives	6
Total	15

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Pre-Nursing Major

Potomac State College offers programs of study that prepare the student to seek admission to an Associate Degree R.N. program or to apply for admission to West Virginia University's Bachelor of Science in Nursing (B.S.N) degree program.

Students who plan to enter an Associate Degree R.N. program should complete the following requirements:

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
CHEM 111	Survey of Chemistry	4
ENGL 101	Composition and Rhetoric	3
HN&F 171	Introduction to Human Nutrition	3
MATH 126	College Algebra	3
PSYC 101	Introduction to Psychology	3
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester		Hrs.
CHEM 112	Survey of Chemistry	4
PSYC 241	Introduction to Human Development	3
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
NSG 100	Introduction to Nursing	2
SOCA 101	Introduction to Sociology or	
SOCA 105	Introduction to Anthropology	3
ORIN 270	Introduction to Health Careers	1
Total		17

SECOND YEAR

First Semester		Hrs.
BIOL 230	Human Anatomy and Physiology 1	4
GEC Electives		9
Total		13

Second Semester		Hrs.
AEM 341	General Microbiology	4
BIOL 231	Human Anatomy and Physiology 2	4
ENGL 102	Composition and Rhetoric	3
Electives		6
Total		17

Total Hours: 63

*Required of first-time, first-semester students; not required for graduation.

Students seeking admission to the B.S.N. program at the West Virginia University School of Nursing must apply for admission to that school by February 1 of their freshman year.

Students, whether at West Virginia University or at Potomac State College, are selectively admitted to the nursing program when all pre-nursing requirements have been satisfactorily completed. Minimum requirements include a 3.00 cumulative G.P.A. and at least a 3.00 in all science courses.

By agreement between Potomac State College the WVU School of Nursing, seats have been reserved for a limited number of Potomac State students who meet the minimum requirements for admission to the B.S.N. program as sophomores.

Potomac State College students who are accepted into the B.S.N. program at the West Virginia School of Nursing will complete their second, third, and fourth years of instruction at West Virginia University in Morgantown.

Students seeking admission to the B.S.N program should complete the following course of study in their freshman year:

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
CHEM 111	Survey of Chemistry	4
ENGL 101	Composition and Rhetoric	3
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
MATH 126	College Algebra	3
PSYC 101	Introduction to Psychology	3
WVUe 191	First-Year Seminar	(1)
Total		17

Second Semester		Hrs.
BIOL 230	Anatomy and Physiology 1	4
CHEM 112	Survey of Chemistry	4
NSG 100	Introduction to Nursing	2
ORIN 270	Introduction to Health Careers	1
STAT 211	Elementary Statistical Inference	3
SOCA 101	Introduction to Sociology or	
SOCA 105	Introduction to Anthropology	3
Total		17

Although some second year courses can be completed at Potomac State College, all clinical courses (NSG 221, 225, 361, 241, and 245) are taught at the Morgantown campus. Registration in these courses is restricted to students who have been admitted to the B.S.N. program.

SECOND YEAR

First Semester		Hrs.
BIOL 231	Anatomy and Physiology 2	4
NSG 221	@ Morgantown	3
NSG 225	@ Morgantown	3
NSG 361	@ Morgantown	3
PSYC 241	Introduction to Human Development	3
Total		16

Second Semester		Hrs.
AEM 341	General Microbiology	4
ENGL 102	Composition and Rhetoric	3
NSG 241	@ Morgantown	3
NSG 245	@ Morgantown	3
HN&F 171	Introduction to Human Nutrition	3
Total		16

Total Hours: 66

Arts and Sciences Degree/A.A. Pre-Occupational Therapy Major

This program satisfies the course requirements for admission to the professional portion of the curriculum in occupational therapy offered by the School of Medicine at West Virginia University. Registration in the first two years does not automatically assure the student a place in the junior class. A student will be accepted on a competitive basis and selection will be based on scholastic standing and on those personal characteristics that are desirable in occupational therapists. Applicants must have a minimum of 63 to 65 hours of college credit with a GPA of 3.0 cumulative and in prerequisite coursework.

A minimum of 60 hours of volunteer or work experience with people with disabilities is required. A minimum of 45 of those hours must be with licensed occupational therapist (OTR/L) and/or a certified occupational therapy assistant (COTA). Two letters of recommendation are also required, one from an occupational therapist or COTA who supervised the volunteer/work experiences and the other from a professor who has recently taught the applicant. Completion of all prerequisite courses by the end of the semester of application (normally, second semester of sophomore year) is normally required. Strong consideration will be given to residency and a commitment to stay in West Virginia to practice after graduation.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
MATH 126	College Algebra	3
PSYC 101	Introduction to Psychology	3
WVUe 191*	First-Year Seminar	(1)
Total		13

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
PSYC 241	Introduction to Human Develop.	3
GEC Electives		6
ORIN 270	Introduction to Health Careers (optional)	1
Total		16-17

SECOND YEAR

First Semester		Hrs.
COMM 100	Principles of Human Communication	1
COMM 102	Human Communication in Interpersonal Context	2
PHYS 101	Introductory Physics	4
CHEM 115	Fundamentals of Chemistry	4
GEC Elective		3
STAT 211	Elementary Statistical Inference	3
Total		17

Second Semester		Hrs.
PSYC 281	Abnormal Psychology	3
SOCA 101	Introduction to Sociology or	
SOCA 105	Introduction to Anthropology	3
GEC Electives		6
Elective		3
Total		15

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation*

Office Systems Technology Degree/A.A.S.

Career Opportunities: This program prepares the student to become an administrative assistant capable of general office management in a technological environment.

Requirements for Graduation

In order to earn an Associate of Applied Science Degree in Office Systems Technology, a student needs to complete a minimum of 63 credit-hours of required and elective course work.

The Major Core Electives are ACCT 202-Principles of Accounting; BTEC 102-Introduction to Business; BTEC 257-Income Tax Accounting; BTEC 260-Computerized Accounting; CIS 118-Web Page Design, CIS 226-Image Management, CIS 229-Digital Video Essentials; CIS 234-Computer Graphics--Illustrator; OSTC 107-Medical Terminology, OSTC 240-Desktop Publishing, OSTC 254-Machine Transcription.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
OSTC 115	Formatting and Editing	3
CIS 100	Introduction to Computer Info Systems	3
CIS 113	Micro Applications 1 (WORD)	3
WVUe 191*	First-Year Seminar	(1)
Major Core Elective		3
Total		15

Second Semester		Hrs.
BTEC 107	Business Communications	3
CIS 114	Micro Applications 2 (EXCEL)	3
CIS 116	Micro Applications 4 (ACCESS)	3
Social Science Elective		3
Major Core Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
OSTC 222	Office Automation	3
BTEC 101	Introduction to Management	3
CIS 115	Micro Applications III (POWER POINT)	3
ACCT 201	Principles of Accounting	3
Major Core Electives		6
Total		18

Second Semester		Hrs.
BTEC 109	Business Math	3
OSTC 119	Office Training	3
OSTC 223	Directed Office Experience	3
Major Core Electives		6
Total		15

Total Hours: 63

**Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Pre-Pharmacy Major

This program fulfills the course requirements necessary for admittance to the West Virginia University School of Pharmacy, Pharm D program. However, such admissions are competitive and preference is given to qualified West Virginians although outstanding nonresident applicants are considered.

Pre-Pharmacy students should (1) complete the Pharmacy College Admissions Test (PCAT) in the fall of their sophomore year, and (2) apply for admission to the WVU School of Pharmacy as early as possible after January 1 of their sophomore year. Consult the WVU Health Sciences Center Catalog for further information.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
Mathematics*		3-4
CHEM 115	Fundamentals of Chemistry	4
BIOL 115	Principles of Biology	4
GEC Elective		3
WVUe 191**	First-Year Seminar	(1)
Total		17-18

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
STAT 211	Elementary Statistical Inference	3
CHEM 116	Fundamentals of Chemistry	4
BIOL 117	Introductory Physiology	4
ORIN 270	Introduction to Health Careers	1
GEC Elective		3
Total		18

SECOND YEAR

First Semester		Hrs.
ECON 201	Principles of Microeconomics	3
PHYS 101	Introductory Physics	4
CHEM 233	Organic Chemistry	3
CHEM 235	Organic Chemistry Lab	1
GEC Electives		6
Total		17

Second Semester

Second Semester		Hrs.
PHYS 102	Introductory Physics	4
CHEM 234	Organic Chemistry	3
CHEM 236	Organic Chemistry Lab	1
AEM 341	General Microbiology	4
SPA 270	Effective Public Speaking	3
Total		15

Total Hours: 68-69

*Mathematics 129 or Mathematics 126 and 128 may be waived on the basis of test scores. Mathematics 155 or 156 **or** Mathematics 150 and Statistics 211 are required. Schedule adjustments may be necessary; consult with adviser.

**Required of first-time, first-semester students; not required for graduation.

**Education Degree/A.A.
Physical Education Major — Athletic Coaching Emphasis**

Requirements for Graduation

In order to earn an Associate of Arts Degree in Education with an athletic coaching major, a student must complete a minimum of 60 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
ACE 100	The Total Athlete	3
MATH 121	Intro Concepts of Mathematics or	
MATH 126	College Algebra	3
HN & F171	Introduction to Human Nutrition	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		16

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ACE 106	Introduction to Physical Education	3
ATTR 121	Sport Injury Control and Management	3
CHPR 172	First Aid and Emergency Care	2
PE 165	Conditioning	1
GEC Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
ACE 256	Principles and Problems of Coaching	3
SEP 271	Sport in American Society	3
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
GEC Electives		6
Total		16

Second Semester

Second Semester		Hrs.
SEP 272	Psychological Perspectives of Sport	3
CS 101	Introduction to Computer Applications	4
PE 164	Weight Training	1
GEC elective		6
Total		14

Total Hours: 60

**Required of first-time, first-semester students; not required for graduation.*

Education Degree/A.A. Physical Education Major — Physical Education Teacher Emphasis

This major is equivalent to the first two years of the Bachelor of Science degree in physical education and is designed for transfer to a four-year program. To be admitted to the physical education program at West Virginia University, students must obtain a GPA of 2.5 or better and pass the PPST.

Career Opportunities: Physical Education is a rewarding field, providing the teacher the opportunity to help Americans stay healthy and physically fit.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Education with a major in Physical Education Teacher Education, a student must complete a minimum of 61 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
PSYC 101	Introduction to Psychology	3
MATH 121	Intro Concepts of Mathematics or	
MATH 126	College Algebra	3
PET 167	Introduction to Physical Education	2
PET 175	Motor Development	3
WVUe 191*	First-Year Seminar	(1)
Total		14

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
PSYC 241	Introduction to Human Development	3
PET 124	Human Body: Structure/Function	2
PET 125	Principals of Human Movement	2
GEC Elective		6
Total		16

SECOND YEAR

First Semester		Hrs.
SEP 271	Sport in American Society	3
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
PET 206	Behavioral Technology for Physical Education	2
GEC Electives		6
Total		15

Second Semester		Hrs.
HN&F 171	Human Nutrition	3
CHPR 172	First Aid and Emergency Care	2
PET 276	Special Physical Education	2
GEC Electives		6
Elective		3
Total		16

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation.*

Education Degree/A.A. Physical Education Major — Sport Management Emphasis

Requirements for Graduation

In order to earn an Associate of Arts Degree in Education with a major in Sport Management, a student must complete a minimum of 61 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
COMM 104	Public Communication	3
MATH 121	Introduction Concepts of Mathematics or	
MATH 126	College Algebra	3
ECON 201	Principles of Microeconomics	3
GEC Elective		3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
ACCT 201	Principals of Accounting	3
SM 167	Introduction to Sport Studies	3
GEC Elective		6
Total		15

SECOND YEAR

First Semester		Hrs.
JRL 101	Introduction to Mass Communications	3
SEP 271	Sport in American Society	3
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
Electives		6
Total		16

Second Semester

Second Semester		Hrs.
SEP 272	Psychological Perspectives of Sport	3
CS 101	Introduction to Computer Applications	4
Electives		8
Total		15

Total Hours: 61

**Required of first-time, first semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Pre-Physical Therapy Major

In 2005, the School of Medicine at West Virginia University replaced the Masters in Physical Therapy (MPT) with the Doctorate in Physical Therapy (DPT). Applicants are required to have a bachelor's degree before admission into the DPT program.

DPT prerequisite requirements include:

- Biology 101, 102, 103, 104
- Chemistry 115, 116
- Physics 101, 102
- Psychology 101, 241
- Statistics 211
- Anatomy 205
- Physiology 441 (BIOL 230 and 231 will replace this course.)
- Medical Terminology

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Pre-Physical Therapy, a student must complete a minimum of 65 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
BIOL 101	General Biology	3
BIOL 103	General Biology Laboratory	1
CHEM 115	Fundamentals of Chemistry	4
MATH 126	College Algebra or higher	3
WVUe 191*	First-Year Seminar	(1)
Total		14

Second Semester

		Hrs.
ENGL 102	Composition and Rhetoric	3
BIOL 102	General Biology	3
BIOL 104	General Biology Laboratory	1
CHEM 116	Fundamentals of Chemistry	4
MATH 128	Plane Trigonometry or higher	3
ORIN 270	Introduction to Health Careers (optional)	1
GEC Elective		3
Total		17

SECOND YEAR

First Semester		Hrs.
PSYC 101	Introduction to Psychology	3
PHYS 101	Introductory Physics	4
OSTC 107	Medical Terminology	3
STAT 211	Elementary Statistical Inference	3
BIOL 230	Human Anatomy and Physiology 1	4
Total		17

Second Semester

		Hrs.
PHYS 102	Introductory Physics	4
PSYC 241	Introduction to Human Development	3
BIOL 231	Human Anatomy and Physiology 2	4
GEC Electives		6
Total		17

Total Hours: 65-66

**Required of first-time, first-semester students; not required for graduation.*

ATTR 219 or NBAN 205 is required but not available at Potomac State College.

Arts and Sciences Degree/A.A.

Physics Major

A bachelor's degree in physics is intended for students seeking professional positions in industry, education, and government. The associate degree program provides the first two years of undergraduate study for students planning to pursue a B.A. or B. S. Degree at West Virginia University or other comparable institutions.

If pursuing a Bachelor of Arts degree, six-credit hours of a foreign language at the intermediate level are required. If pursuing a Bachelor of Science degree, a foreign language is not required.

Career Opportunities: Career paths for physicists may include secondary education, patent law, forensics, health physics, environmental engineering, journalism, government policy, and business management.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Physics, a student must complete a minimum of 65 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester	Hrs.
ENGL 101 Composition and Rhetoric	3
Foreign Language 101 or 203*	3
MATH 155 Calculus 1	4
CHEM 115 Fundamentals of Chemistry	4
GEC Elective	3
WVUe 191** Orientation	(1)
Total	17

Second Semester	Hrs.
ENGL 102 Composition and Rhetoric	3
Foreign Language 102 or 204*	3
MATH 156 Calculus 2	4
CHEM 116 Fundamentals of Chemistry	4
GEC Elective	3
Total	17

SECOND YEAR

First Semester	Hrs.
Foreign Language 203 (if needed)*	3
MATH 251 Multivariable Calculus	4
PHYS 111 General Physics	4
GEC Electives	6
Total	17

Second Semester	Hrs.
Foreign Language 204 (if needed)*	3
MATH 261 Differential Equations	4
PHYS 112 General Physics	4
GEC Elective	3
Total	14

Total Hours: 65

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 (see Second Year above) and six hours of elective credit. Students who do not have adequate high school credit must take four semesters of study in one language.*

***Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A. Political Science Major

This major provides basic courses in the study of the nature and operation of government and politics.

Career Opportunities: Career opportunities for a graduate in political science include: city manager, lawyer, diplomat, educator, labor relations specialist, political consultant, public recreation director, public health official, urban planner, journalist, law enforcement officer, and lobbyist.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Political Science, a student must complete a minimum of 61 credit hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
Foreign Language 101 or 203*		3
POLS 101	(recommended)	3
GEC Elective		3
ECON 201	Principles of Microeconomics	3
WVUe 191**	First-Year Seminar	(1)
Total		15

Second Semester

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
Foreign Language 102 or 204*		3
POLS 102	Introduction to the American Government	3
ECON 202	Principles of Macroeconomics	3
GEC Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
Foreign Language 203 (if needed)*		3
MATH 121	or higher	3
Laboratory Science		4
POLS 220	(recommended)	3
HIST 152	(recommended)	3
Total		16

Second Semester

Second Semester		Hrs.
Foreign Language 204 (if needed)*		3
GEC Electives		9
Elective		3
Total		15

Total Hours: 61

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 (see Second Year above) and six hours of elective credits. Students who do not have adequate high school credit must take 4 semesters of study in one language.*

***Required of first-time, first-semester students; not required for graduation.*

Arts and Sciences Degree/A.A.

Psychology Major

The psychology curriculum prepares students to transfer as psychology majors to the baccalaureate program at West Virginia University, and can be adapted to the needs of those planning to transfer to other institutions. In addition, courses in psychology are part of the liberal arts education. They convey principles and methods that are necessary for a better understanding of behavior and personality. Courses in psychology are often of interest and value to students in other social and life sciences, such as sociology, social work, political science, education, nursing, or medicine.

Career Opportunities: A bachelor's degree in psychology qualifies a person to assist professionals in community mental health centers, vocational rehabilitation offices, and correctional programs; to work as research or administrative assistants; and to take jobs as trainees in government or business. Persons with a master's degree in psychology can administer tests as psychological assistants, and, under supervision, can conduct research, perform psychological evaluations, or counsel clients. Psychologists with a doctoral degree qualify for a wide range of teaching, research, clinical, and counseling positions in universities, elementary and secondary schools, private industry, and government.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Psychology, a student must complete a minimum of 62 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester	Hrs.
ENGL 101 Composition and Rhetoric	3
Foreign Language 101 or 203*	3
PSYC 101 Introduction to Psychology	3
GEC Electives	6
WVUe 191** First-Year Seminar	(1)
Total	15

Second Semester

Second Semester	Hrs.
ENGL 102 Composition and Rhetoric	3
Foreign Language 102 or 204*	3
PSYC 241 Introduction to Human Development	3
MATH 126 College Algebra	3
PSYC 201 Psychology as a Profession	1
GEC Elective	3
Total	16

SECOND YEAR

First Semester	Hrs.
Foreign Language 203 (if needed)*	3
STAT 211 Elementary Statistical Inference	3

Laboratory Science	4
GEC Electives	6
Total	16

Second Semester		Hrs.
Foreign Language 204 (if needed)*		3
PSYC 202	Research Methods in Psychology or	
PSYC 251	Introduction to Social Psychology	3
GEC Elective		3
Elective	(PSYC 281 suggested)	6
Total		15

Total Hours: 62

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 (see Second Year above). Six hours of elective credit may be used to replace 101 and 102. Students who do not have adequate high school credit must take four semesters of study in one language.*

***Required of first-time, first-semester students; not required for graduation.*

**Arts and Sciences Degree/A.A.
Pre-Social Work Major**

The Social Work curriculum prepares students for transfer to the Division of Social Work at West Virginia University and can be adapted to the needs of those planning to transfer to other institutions. The Social Work student at Potomac State College is automatically under the Social Work standards of the West Virginia University Division of Social Work. After two years at Potomac State students can transfer to West Virginia University. The WVU Division of Social Work is accredited by the Council on Social Work Education.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts and Sciences with a major in Pre-Social Work, a student needs to complete a minimum of 61 credit-hours of elective and required course work.

WVU Division of Social Work Admission Requirements

Fifty-eight (58) hours of course work completed with a grade-point average of 2.5 or better; successful completion of SOWK 147 and 151 with a grade of C or better; completion of a personal statement discussing interest in social work as a major; submission of a reference form from a SOWK 151 instructor; successful completion of the General Education Curriculum (GEC); documented completion of 100 hours of face-to-face human service experience, which was completed since high school.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
SOCA 101	Introduction to Sociology	3
SOWK 151	Introduction to Social Work	3
GEC Elective		3
SOCA 105	(recommended)	3
WVUe 191*	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
SOWK 147	Human Diversity	3
PSYC 101	Introduction to Psychology	3
MATH 121	Introductory Concepts of Math	3
SOCA 221	(recommended)	3
Total		15

SECOND YEAR

First Semester		Hrs.
SOCA 107	Social Problems	3
POLS 101	Introduction to Political Science or	
POLS 102	Introduction to American Government or	
POLS 103	Global Political Issues	3
BIOL 101	General Biology	3
BIOL 103	General Biology Lab	1
GEC Electives		6
Total		16

Second Semester		Hrs.
ENGL 285	Images of Women in Literature or	
SOCA 235	Race Relations or	
WMST 170	Introduction to Women's Studies**	3
POLS 220	State and Local Government	3
PSYC 241	Introduction to Human Development	3
GEC Elective		3
Elective	Soc. Sci. 200 level recommended	3
Total		15

Total Hours: 61

**Required of first-time, first-semester students; not required for graduation.*

***Or another minority studies course approved by the WVU Department of Social Work.*

Arts and Sciences Degree/A.A.

Sociology Major

Career Opportunities: For the student who earns a bachelor's or master's degree in sociology, jobs often are in government agencies that employ sociologists dealing with subjects such as poverty, crime, public assistance, population growth, education, social rehabilitation, community development, mental health, racial and ethnic relations, drug abuse, school dropouts, and environmental impact studies. Sociologists in the federal government work primarily for the Departments of Health and Human Services, Agriculture, Education, Commerce (Bureau of the Census), Defense, and the General Accounting Office.

Requirements for Graduation

In order to earn an Associate of Arts Degree in Arts in Sciences with a major in Sociology, a student must complete a minimum of 61 credit-hours of required and elective course work.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 101	Composition and Rhetoric	3
Foreign Language 101 or 203*		3
SOCA 101	Introduction to Sociology	3
GEC Electives		6
WVUe 191**	First-Year Seminar	(1)
Total		15

Second Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
Foreign Language 102 or 204*		3
MATH 126	College Algebra	3
SOCA 107	Social Problems	3
GEC Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
Foreign Language 203 (if needed)*		3
STAT 211	Elementary Statistical Inference	3
SOCA 105	Introduction to Anthropology	3
Laboratory Science (BIOL 101/103 recommended)		4
GEC Elective		3
Total		16

Second Semester		Hrs.
Foreign Language 204 (if needed)*		3
GEC Elective		6
SOCA 200 level elective (SOCA 221 or 233 recommended)		3
Elective		3
Total		15

Total Hours: 61

**Students who present more than two or more units of high school credit in a foreign language may satisfy this requirement by taking courses 203 and 204 (see Second Year above) and six hours of elective credit. Students who do not have adequate high school credit must take four semesters of study in one language.*

***Required of first-time, first-semester students; not required for graduation.*

Technical Studies Degree/ A.A.S. Machinist Technology Option

The Machinist Technology Option is available through a partnership with the Robert C. Byrd Institute (RCBI) in Rocket Center, West Virginia. Students complete training in machinist technology through RCBI and complete general education and relevant business and technical courses through Potomac State College.

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
MATH 136	Mathematics for Machine Technology 1	3
MT 105	Industrial Safety and Environmental Protection 2	
MT 200	Blueprint Reading	3
MT 205	Measurement in Machining	3
MT 121	Introduction to Machinery	3
CIS 100	Introduction to Computer Information Systems 3	
Total		17

Second Semester		Hrs.
MATH 137	Mathematics for Machine Technology 2	3
BTEC 107	Business Communications	3
MT 215	Metal Working Theory and Application	10
Total		16

SECOND YEAR

First Semester		Hrs.
MT 220	Introductory Computer Aided Design	4
MT 223	Technical Specialization	4
MT 233	NIMS Credentialing	4
COMM 104	Public Communication	3
BTEC 103	Personnel Management	3
Total		18

Second Semester		Hrs.
Social Science Elective*		3
MT 289	Manufacturing Technology Internship	6
Total		9

Total Hours: 60

Applied Science Degree/ B.A.S. Business Management Emphasis

The Bachelor of Applied Science (B.A.S.) degree provides students who have completed an Associate of Applied Science (A.A.S.) degree program with an opportunity to continue their education to the baccalaureate level, acquiring additional skills and furthering their professional advancement. This state-wide degree program requires 41 credit-hours of upper division course work and 29 credit-hours in the Business Management area of emphasis.

Articulation Agreements: graduates of the following degree programs will be admitted to the B.A.S. Business Management degree without loss of credit.

Allegany College of Maryland: A.A.S. in Business Management

Eastern West Virginia Community and Technical College: A.A.S. in Business Management

Requirements for Graduation

In order to earn a Bachelor of Applied Science Degree with an emphasis in Business Management, a student must complete a minimum of 62 credit-hours of course work in addition to having completed an A.A.S. degree in Business Management, Business Technology, or Office Technology with a minimum of 62 credit-hours.

AAS Degree hours	61
General Education: 46 hours total (31 included in AAS, plus 15 additional hours)	15
Area of Emphasis: Business Management (all upper division hours)	29
Electives: 18 hours (at least 12 must be upper division)	18
Total Hours Required	123

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
SOCA 101	Introduction to Sociology	3
BUSA 320	Survey of Business Management	3
BUSA 330	Survey of Marketing	3
Upper or Lower Division Elective		3
Total		15

Second Semester		Hrs.
STAT 111	Understanding Statistics	3
BUSA 310	Survey of Business Law	3
BUSA 340	Survey of Finance	3
Fine Arts Requirement		3
Upper or Lower Division Elective		3
Total		15

SECOND YEAR

First Semester		Hrs.
BTEC 350	Advanced Computer Applications	4
BTEC 360	Leadership and Human Behavior	3
BTEC 370	Intermediate Accounting	3
Upper Division Electives		6
Total		16

Second Semester		Hrs.
BTEC 380	Business Ethics	3
BTEC 485	Senior Seminar	4
Fine Arts Requirement		3
Upper Division Electives		6
Total		16

Total Hours: 62

**Applied Science Degree/ B.A.S.
Criminal Justice Emphasis**

The Bachelor of Applied Science (B.A.S.) degree provides students who have completed an Associate of Applied Science (A.A.S.) degree program with an opportunity to continue their education to the baccalaureate level, acquiring additional skills and furthering their professional advancement. This state-wide degree program requires 40 credit-hours of upper division course work and 30 credit-hours in the Criminal Justice area of emphasis.

Articulation Agreements: graduates of the following degree programs will be admitted to the B.A.S. Criminal Justice degree without loss of credit.

Allegany College of Maryland: A.A.S. in Criminal Justice

Blue Ridge Community and Technical College: A.A.S. in Criminal Justice

Requirements for Graduation

In order to earn a Bachelor of Applied Science Degree with an emphasis in Criminal Justice, a student must complete a minimum of 61 credit-hours of course work in addition to having completed an A.A.S. degree with a minimum of 62 credit-hours.

AAS Degree hours	62
General Education: 44 hours total (28 included in AAS, plus additional hours)	16
Area of Emphasis: Criminal Justice (all upper division hours)	30
Electives: 15 hours (at least 10 must be upper division)	15
Total Hours Required	123

Recommended Two-Year Sequence

FIRST YEAR

First Semester		Hrs.
ENGL 102	Composition and Rhetoric	3
MATH 126	College Algebra	3
PSYC 251	Introduction to Social Psychology or	
PSYC 281	Abnormal Psychology	3
CJ 301	White-Collar Crime	3
CJ 302	Terrorism	3
Total		15

Second Semester		Hrs.
STAT 111	Understanding Statistics	3
CJ 315	Criminal Evidence	3
CJ 325	The Role of Women in Criminal Justice	3
Upper Division Electives		6
Total		15

SECOND YEAR

First Semester		Hrs.
Laboratory Science		4
CJ 316	Community Based Corrections	3
CJ 410	Research Methods in Criminal Justice	3
CJ 415	Forensic Techniques	3
Upper or Lower Division Electives		3
Total		16

Second Semester			Hrs.
Upper Division Electives			6
CJ 455	Ethics and the Criminal Justice System		3
CJ 461	Current Issues in Criminal Justice		3
CJ 485	Senior Seminar		3
Total			15

Total Hours: 61

Regents Bachelor of Arts Degree Program

The Regents Bachelor of Arts is an innovative baccalaureate degree program designed for adult students. The basic principle underlying the degree is that credit is awarded for what students know regardless of how that knowledge is obtained. The program differs from other baccalaureate degrees in that Regents' students – in addition to taking traditional college courses – may earn college-equivalent credit for selected work and life experiences that can be equated to college courses. Students write portfolios to obtain such credit. The Regents program assumes that adults have different needs and goals than traditional undergraduates. The program is designed to provide students with a comprehensive general education without the requirement of a major. No specific courses are required for graduation, allowing students to design their own programs of study.

There is considerable flexibility in how, when, and where course requirements are met; students may earn credit through regular courses, online courses, credit by exam, and through writing portfolios.

The Regents B.A. Program was created by the West Virginia State Board of Regents in 1975. Although that board no longer exists, the degree program continues in the 10 public universities and four-year colleges in the state.

The Regents B.A. Degree Program at West Virginia University is administered by the Eberly College of Arts and Sciences.

Requirements for Graduation

- A. The Regents B.A. degree requires students to take a minimum of 36 hours of general education course work, as follows:
 - Six credit-hours demonstrating skill in writing or public speaking.
 - Six credit-hours of humanities in areas such as English literature, foreign languages, history, humanities, philosophy, religious studies, and approved courses in art, music, and theater.
 - Six credit-hours of social science in areas such as anthropology, communication studies, economics, geography, political science, psychology, and sociology.
 - Six credit-hours of natural or physical science.
 - Three credit-hours of approved mathematics, statistics, or computer science.
 - Nine credit-hours of electives from any of the above general education areas.
 - 36 Total General Education Hours
- B. The R.B.A. degree requires students to take a minimum of 39 hours of upper division course work. Upper division courses are those offered at the junior and senior levels and are usually numbered as 300- or 400- level courses. Upper division courses take the place of a major and may be taken in any subject area or combinations of areas as students wish.
- C. The Regents B.A. degree has a residency requirement of 24 hours of course work taken at public higher education institutions in West Virginia.
- D. Regents B.A. students must complete a minimum of 120 credit-hours to be eligible for graduation.
- E. Students must have a minimum GPA of 2.00 (on a 4-point scale) to be eligible for graduation.