

**BACHELOR OF SCIENCE IN BIOLOGY EDUCATION**

(rev. 5.20.19)

First Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
English 101	3		Must have a score of 18 on the ACT or SAT of 450; scores below 18 or 450 will be placed in ENG 101E			
Education 200	3		Must be eligible for English 101			
GEN ED 101 (PS)	3					
Biology 120	4					
HHP 122, 157, or 242	2 Hours - 3 Hours					
<b>Semester Total</b>	<b>15-16</b>					
Second Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
English 102	3		Prerequisite: English 101			
Education 201	3		Prerequisite: English 101 and Educ 200 with a "C" GEN ED requirement			
Biology 121	4		Prerequisite: English 101 and Educ 200 with a "C"			
Math 120 or Math 206	3 Hours - 4 Hours		Must have a score of 21 on Math ACT for Math 120 or score of 23+ on ACT for Math 206			
Art	3		Art 101, Comm 170, or Music 107			
<b>Semester Total</b>	<b>16 - 17</b>		Take and pass PRAXIS 1 core (need passing scores before entering 300 Level Courses)			
Third Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
Humanities	3		Art 100, Comm 140, or Music 104			
Education 202	3		Must take and pass all three sections of CORE; prerequisite: Educ.201 with a "C"; PAR Review/Admission to program concurrent with Educ.202			
Education 227	3					
History 201, 202, 207, or 208	3		Prerequisite : English 102			
Biology 210	4					
<b>Semester Total</b>	<b>16</b>		PAR review required, formal admittance into the teaching program			
Fourth Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
English 201 or Comm.100	3		Prerequisite: English 102 (Recommended course English 201 for PRAXIS 1 requirements)			
Education 300	3		Must have passed all three sections of CORE or have exemption eligibility based on ACT or SAT scores			
Education 316	4		Must have passed all three sections of CORE or have exemption eligibility based on ACT or SAT scores			
Chemistry 105	3		Math 120 or Math ACT of 23+ (Substitution for natural science requirement)			
Chemistry 107	2		Prerequisite: Chem 105 or current enrollment in Chem 105			
Math 222	3		Required if student has successfully completed Math 120. Not Required if student has completed Math 206			
<b>Semester Total</b>	<b>18</b>		Join an Education Organization (Kappa Delta Pi; 3.0 GPA required; WVEA-NEA)			
Fifth Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
Education 319	3		Concurrent with/or completion of Educ.316 with "C" GEN ED Requirement			
Education 331	3		Prerequisite: Edu.316 and 227 with a "C"			
Education 411	3		Prerequisite: Edu.316			
Chemistry 106	3		Prerequisite: "C" in Chem 105 or math 120, ACT 23+			
Chemistry 108	2		Prerequisite: "C" in Chem 105, 106 and 107 (Enrollment in 106 maybe concurrent)			
<b>Semester Total</b>	<b>14</b>		Concurrent with/or completion of Educ.316 with "C" GEN ED Requirement			
Sixth Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
Biology 250	4		Prerequisite: Biology 120 and 121; eligibility for Math 120			
Biology 270	4		Prerequisite: Biology 120 and 121; Chem 106, 109			
Chemistry 201	4		Prerequisite: "C" in Chem 101 or 105			
Elective for Math 120 and 222 pathway	3					
<b>Semester Total</b>	<b>15</b>					
Seventh Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
Biology 341	4		Prerequisite: Biology 121; Chem 105,107			
Biology 385	4		Prerequisite: Biology 270; Chem 206 and 208			
Biology 490	1		Prerequisite: Biology 385			
Education 426	3		Prerequisite: Educ 316 with a "C" or better; taken the semester prior to student teaching; SCOPE Review/Admission to Senior Capstone			
Elective for Math 206 pathway	5					
<b>Semester Total</b>	<b>17</b>		Contact career services to begin a professional file			
Eighth Semester	Hours	Milestone(s)	Milestone Note	Grade	Credits	Term
Education 480	15		Full admission to Teacher Education is required; passing scores in PRAXIS Two Content Test			
			Must have passing scores on the Biology Content test to be admitted to student teaching			
			Must have passing scores on the PLT for Licensure requirements			
			Complete graduation requirements (GPA minimum 2.5) and the Commencement Clearance form			
<b>Semester Total</b>	<b>15</b>		All Licensure tests must be passed before WVDE Board certification			
<b>TOTAL SEMESTER HOURS</b>	<b>126 - 128</b>		<b><i>u See reverse of this page for General Education coursework options</i></b>			

**GENERAL EDUCATION COMPONENT AND COURSEWORK OPTIONS**

Students in bachelor degree programs must complete the minimum number of hours indicated in each of the General Education components for a total of 35-41 credit hours. Your major field curriculum specifies courses or course categories that you must complete.

Courses with a **u** indicate that the course is recommended from a list of courses within a specific General Education Component. Students may choose to take another course within the same General Education Component in place of the recommended course.

For descriptions of these courses, consult the online West Virginia State University Catalog.

Some prerequisite requirements are listed in the course schedule; others are at the end of the course descriptions. Be sure you meet the prerequisites for a particular course before enrolling in the course. The courses listed are three credit hour courses except where noted otherwise.

Arts (3 credit hours)
<a href="#">u ART 101 Studio I - Introduction to Art</a>
ART 101H Studio I – Introduction to Art (Honors)
COMM 170 The Art of the Theater
MUSIC 107 Appreciation of Music

International Perspectives (3 credit hours)
COMM 446 International Cinema
INTS 210 Introduction to International Perspectives
INTS 250 Diversity in Africana Studies
<a href="#">u ECON 109 Intro to World Economy</a>
ENGL 350 World Literature Classical Era
ENGL 351 World Literature Modern Era
ENGL 440 Interpreting the Holocaust
FREN 101 Beginning French
FREN 102 Elementary French
FREN 205 A View of Changing Culture
FREN 443 West African Culture
GERM 101 Beginning German
GERM 102 Elementary German
SPAN 101 Beginning Spanish
SPAN 102 Elementary Spanish
SPAN 205 Spain and its Culture
POSC 210 International Relations
POSC 415 Arab Middle East
PHIL 308 World Religions
EDUC 319 Content Area Literacy
EDUC 321 Teaching Writing in the Elementary School

History (3 credit hours)
HIST 201 World History
HIST 201H World History (Honors)
<a href="#">u HIST 202 World History</a>
HIST 207 American History to 1865
HIST 208 American History from 1865

Humanities (3 credit hours)
ART 100 Art Appreciation
<a href="#">u COMM 140 Film Appreciation</a>
COMM 140H Film Appreciation (Honors)
ENGL 150 Introduction to Literature
ENGL 150H Introduction to Literature (Honors)
MUSC 104 American Music A Panorama

Natural Science (3-4 credit hours)
BIOL 101 Principles of Biology (4 credits)
BIOL 101H Principles of Biology (Honors) (4 credits)
BIOL 108 Environmental Biology (4 credits)
BIOL 110 Economic Biology (4 credits)
BIOL 120 Fundamentals of Biology (4 credits)
<a href="#">u CHEM 100 Consumer Chemistry (3 credits)</a>
CHEM 100H Consumer Chemistry (Honors) (3 credits)
CHEM 132 Introductory Environmental Chemistry (3 credits)
PHYS 101 Physical Science Survey I (3 credits)
PHYS 102 Physical Science Survey II (4 credits)
PHYS 103 Elements of Physical Science (3 credits)
PHYS 106 Intro. to Physical Geology (4 credits)
PHYS 107 Historical Geology (4 credits)
PHYS 110 Weather and Climate (4 credits)
PHYS 111 Energy and the Environment (4 credits)
PHYS 120 Astronomy (3 credits)
PHYS 121 Astronomy Lab (1 credit)

Scientific Reasoning (3 - 4 credit hours)
<a href="#">u BIOL 101 Principles of Biology (4 credits)</a>
BIOL 101H Principles of Biology (Honors) (4 credits)
BIOL 108 Environmental Biology (4 credits)
BIOL 110 Economic Biology (4 credits)
BIOL 120 Fundamentals of Biology (4 credits)
CHEM 100 Consumer Chemistry (3 credits)
CHEM 100H Consumer Chemistry (Honors) (3 credits)
CHEM 132 Introductory Environmental Chemistry (3 credits)
PHYS 101 Physical Science Survey I (3 credits)
PHYS 102 Physical Science Survey II (4 credits)
PHYS 103 Elements of Physical Science (3 credits)
PHYS 106 Intro. to Physical Geology (4 credits)
PHYS 107 Historical Geology (4 credits)
PHYS 110 Weather and Climate (4 credits)
PHYS 111 Energy and the Environment (4 credits)
PHYS 120 Astronomy (3 credits)
PHYS 121 Astronomy Lab (1 credit)

Wellness (2 credit hours)
<a href="#">u HHP 122 Fitness for Living</a>
HHP 157 Healthy Living
HHP 157H Healthy Living (Honors)
HHP 242 Team Sports II

**BA 420: Senior Seminar Requirements**

BA 420: Senior Seminar is to be taken only after completion of the following business core classes prior to the semester you will be taking it. Business Core classes are as follows: BA 115, 203, 209, 215, 216, 301, 305, 310, and 313.

In addition to the requirements of BA 420: Senior Seminar, the Department of Business Administration and Economics requires that all graduating students undertake the following:

- 1) Take the Major Field Test in business (administered as part of BA 420)
- 2) Complete the Graduate Exit Survey (completed as part of BA 420)

**Degree Requirements & Graduation**

Students are responsible for knowing and fulfilling requirements for graduation. Accordingly, they should carefully read the catalog and curriculum requirements. If questions arise, consult the appropriate department chair, college dean, or the Registrar. The University cannot assume responsibility for failure of students to fulfill catalog and curriculum requirements. See below listed requirements for Graduation and consult your respective year WVU Academic Catalog.

1. A cumulative grade point average of 2.0 (i.e., a C average) on all work attempted with the exception of developmental courses and courses with grades of P, K, W, and AUD.
2. A cumulative grade point average of 2.0 in major and minor (if applicable) courses. The department will identify the courses that count toward the major and the major cumulative grade point average.
3. Completion of the total number of hours required in the curriculum elected.
4. The necessary residence requirement for a degree.
5. Payment of all outstanding financial obligations to the University.
6. All grades of I and Q must be satisfied before graduation.

**Comments:**