



# WEST LIBERTY UNIVERSITY

College of Education & Human Performance  
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## Biology Certification 9-Adult Curriculum Summary Sheet as of 2020-21 Catalog

### Major Courses: Required

BIO 124 Biological Principles.....	3
BIO 125 Biological Principles Lab.....	1
BIO 200 Biology of Plants .....	4
BIO 202 Biology of Animals.....	3
BIO 203 Biology of Animals Lab .....	1
BIO 221 Biological Statistics & Experimental Design .....	3
BIO 325/326 General Microbiology/Lab.....	4
BIO 302/303 Human Anatomy & Physiology I & Lab.....	4
BIO 328/334 Human A&P II and Lab .....	4
BIO 401 Genetics .....	4
BIO 404/405 General Ecology & Lab.....	4
BIO 482 Biology Education Capstone.....	1
BIO Electives.....	1-2
BIO Electives to be selected with approval of an academic advisor, from 300 & 400 level courses	
CHEM 110 General Chemistry I .....	3
CHEM 111 General Chemistry I Lab.....	1
CHEM 112 General Chemistry II.....	3
CHEM 113 General Chemistry II Lab .....	1
PHYS 101 Elementary Physics I.....	3
PHYS 110 Elementary Physics I Lab .....	1
PHYS 102 Elementary Physics II .....	3
PHYS 111 Elementary Physics II Lab .....	1
PHYS 315 Trends & Issues in Science Education .....	3
PHYS 345 Earth & Space Science.....	3
PHYS 346 Earth & Space Science Lab.....	1
MATH 145 Pre-Calculus .....	4

### Professional Education Component:

EDUC 100 Intro to Professional Education.....	1
*EDUC 207 Foundations of Education .....	3
EDUC 290 Instructional Technology .....	3
*EDUC 301 Educational Psychology .....	3
SPED 241 Intro to Exceptionalities .....	3

\*Course contains required field component

### Methods & Materials Block Semester

EDUC 293 Instructional Design Assessment for Middle/Secondary Ed .....	3
EDUC 340 Curr. & Methods in Specialization .....	2
EDUC 342 M&M Lab for Secondary Teachers .....	1
READ 302 Reading for Content Area.....	3
SPED 320 Collaborative Techniques for Secondary Students w/ Exceptionalities.....	3
EDUC 309 Practicum II (Field Hours) .....	0

**Field I & Field II must be successfully completed for admission to EDUC 301**

**Professional Semester Courses:**

EDUC 409 School Law & Organization.....	1
EDUC 470 Student Teaching Seminar .....	1
EDUC 485 Student Teaching .....	10

**-Admission Requirements: See Teacher Ed Program Student Policy Manual for all requirements**

**-WV required Praxis Scores/Test Codes/Content & Pedagogy Test: [www.ets.org/praxis/wv](http://www.ets.org/praxis/wv)**

**-Second teaching specialization is highly recommended**

**-The Biology Education 9-Adult curriculum must be monitored by both a Biology Faculty member and an Education faculty member. Each will advise the student regarding classes in their own specialization. The Student is responsible for registering for the WL Education Listserv. This service provides timely announcements of pertinent information like scheduling of portfolio interviews and PRAXIS exam schedules. You are responsible for your curriculum and meeting all requirements for graduation as described in the College Bulletin. This work sheet is only intended as a guide.**