



# WEST LIBERTY UNIVERSITY

College of Education & Human Performance  
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## Biology Certification 9-Adult Curriculum Summary Sheet as of 2022-2023 Catalog

### Major Courses:

#### Required.....64

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 340 Life Science II & Lab Elem/5-9 .....	4
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 340 Phys Sci II for Elem/5-9 Tchrs.....	4
MATH 145 Pre-Calculus .....	4

#### General Studies.....36-38

### 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

### Residency I 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 Residency I.....	0

**Residency II Semester:**

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

**Total .....**147-149

- \* Course contains required mini-residency field components within the required 30 hours minimum
- Admission Requirements: See Teacher Ed Program Student Policy Manual for all requirements
- Students must register for EDUC 209 each semester prior to Residency 1. This is a 0-credit course used only for tracking mini-residency field hours.