



WEST LIBERTY UNIVERSITY

College of Education & Human Performance
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College of Education & Human Performance

Curriculum Summary Sheet

Biology Certification 9th grade- Adult

Courses taken from University catalog 2018-2019

Major Courses: Students interested in the Bachelor of Arts in Biology should consult with the Program Coordinator

I. REQUIRED COURSES IN SCIENCE AND MATH

A. BIOLOGY CORE

| | |
|--|---|
| 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 |

ADDITIONAL BIOLOGY COURSES:

| | |
|---|-----|
| BIO 221 Biological Statistics and Experimental Design | 3 |
| BIO 325/326 General Microbiology/Lab..... | 3/1 |
| BIO 302/303 Human Anatomy and Physiology I & Lab | 4 |
| BIO 328/334 Human A&P II & Lab..... | 4 |
| BIO 401 Genetics..... | 4 |
| BIO 404/405 General Ecology & Lab..... | 3/1 |
| BIO 482 Biology Education Capstone | 1 |

BIOLOGY ELECTIVES: 1-2

BIO Electives to be selected with approval of an academic advisor, from 300 and 400 level courses

CHEMISTRY CORE

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|--|---|
| 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 |

PHYSICS CORE

| | |
|--|---|
| PHYS 101 Elem Physic I | 3 |
| PHYS 110 Elem Physics I Lab..... | 1 |
| PHYS 102 Elem Physics II | 3 |
| PHYS 111 Elem. 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 |

MATH

SECOND TEACHING SPECIALIZATION IS HIGHLY RECOMMENDED

ELECTIVES TO TOTAL 128 HOURS

SECONDARY AND PREK-ADULT PROFESSIONAL EDUCATION COMPONENT*

| | |
|--|---|
| EDUC 100 Intro to Profess. Education | 1 |
| EDUC 207 Foundations of Education | 3 |
| EDUC 290 Instructional Technology | 3 |
| EDUC 301 Educational Psychology | 3 |
| SPED 241 Intro To Exceptionalities | 3 |
| EDUC 209 Practicum I (15 hours required of Field)..... | 0 |
| Field I and Field II must be successfully completed for admission to Practicum I (EDUC 209) | |
| <u>METHODS AND MATERIALS BLOCK SEMESTER</u> | |
| EDUC 293 Instructional Design Assessment for Middle/Secondary Ed | 3 |
| EDUC 340 Curr. And Methods in Specialization | 3 |
| EDUC 342 Methods & Materials Lab for Secondary Teachers | 1 |
| READ 302 Reading for Content Area (must be admitted to the Program to enroll in this course)..... | 3 |
| SPED 320 Collaborative Techniques for Secondary Students with Exceptionalities..... | 3 |
| EDUC 309 Practicum II (Required 80 Hours of Field) | 0 |

Professional Semester Courses: **

| | |
|---|----|
| EDUC 409 School Law & Organization..... | 1 |
| EDUC 470 Student Teaching Seminar..... | 1 |
| * *** EDUC 482 Student Teaching in AE | 10 |

**** You will need 2 sections of 5 hours each for EDUC 482 to total 10, if you are a Biology Major only.

If another field is added then the Student Teaching for AE Hours will be less

ADMISSION, RETENTION, GRADUATION, AND CERTIFICATION

All teacher education students are required to meet the requirements for admission, retention, graduation and certification as outlined in the Professional Education Admission and Retention Policy.

LIABILITY INSURANCE

Students are encouraged to have liability insurance coverage when they are working in school situations. Appropriate insurance can be obtained from an Insurance agency or through membership in the W.Va.

ADMISSION REQUIREMENTS: SEE Teacher Education Program Student Policy Manual for all requirements for admission to program and to student teaching.

Information provided on this curriculum form is from the 2017-2018 University Catalog

**3.0 GPA required for all
Education Teaching Degrees**

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 West Liberty 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.