

# COURSE OF STUDY

Muskingum University  
AYA Life Sciences/7-12

Academic Year: 2025-2026

Student Name: \_\_\_\_\_

Education candidates are required to earn a B- or better in all EDUC courses to move forward in the program. Additionally, education candidates are required to complete all hours and assignments in the EDUC 201 and 301 practicum courses to move forward in the program. Each practicum course is 1 credit hour. Practicum courses fulfill the field hours required by the Ohio Department of Higher Education to complete licensure.

## Pre-Admission Courses

| Course # | Course Name   | Credit Hours | Term Planned | Grade | Final Audit |
|----------|---|--------------|--------------|-------|-------------|
| EDUC 110 | Introduction to Education   | 1            |              |       |             |
| EDUC 112 | Educational Implications of Diversity (pre-co requisite EDUC 110) | 3            |              |       |             |
| EDUC 101 | Introductory Field Practicum 101 (co-requisite EDUC 112)          | 1            |              |       |             |
| EDUC 215 | Educational Psychology  | 3            |              |       |             |

## Non-practicum Courses (Admission to Education Program Required)

| Course # | Course Name  | Credit Hours | Term Planned | Grade | Final Audit |
|----------|--|--------------|--------------|-------|-------------|
| EDUC 335 | Educational Technology   | 3            |              |       |             |
| EDUC 341 | Assessment in Education (pre-requisite EDUC 313) (pre-co requisite EDUC 330) | 3            |              |       |             |

## Practicum 201 Courses – General Methods Courses

| Course # | Course Name  | Credit Hours | Term Planned | Grade | Final Audit |
|----------|--|--------------|--------------|-------|-------------|
| EDUC 313 | Curriculum and Instruction for the Adolescent (offered only in fall) (co-requisite EDUC 201) | 3            |              |       |             |
| EDUC 330 | Serving Individuals with Exceptionalities (col-requisite EDUC 201)                           | 3            |              |       |             |
| EDUC 375 | Professional Practices in AYA Education (co-requisite EDUC 201)                              | 3            |              |       |             |
| EDUC 201 | Intermediate Field Practicum SP___ FA___ SP___ FA___ SP___ FA___ TOTAL___                    |              |              |       |             |

## Practicum 301 Courses – Content Method Courses

| Course # | Course Name   | Credit Hours | Term Planned | Grade | Final Audit |
|----------|---|--------------|--------------|-------|-------------|
| EDUC 384 | Integrated Science Methods for Middle Childhood and AYA Educators (pre-requisite EDUC 313) (offered only in odd spring) (EDUC 301 co-requisite) | 3            |              |       |             |
| EDUC 413 | Reading in the Content Areas (pre-requisite EDUC 313, or EDUC 370, EDUC 371) (EDUC 301 co-requisite)  | 3            |              |       |             |
| EDUC 301 | Advanced Field Practicum SP___ FA___ SP___ FA___ SP___ FA___ TOTAL___   |              |              |       |             |

## Professional Semester

| Course # | Course Name   | Credit Hours | Term Planned | Grade | Final Audit |
|----------|---|--------------|--------------|-------|-------------|
| EDUC 418 | Professional Practices in Teacher Education               | 2            |              |       |             |
| EDUC 419 | Co-Teaching and Collaboration in Education                | 2            |              |       |             |
| EDUC 420 | Pro-Active Approaches to Classroom Management and Support | 2            |              |       |             |
| EDUC 451 | Student Teaching in the Secondary Schools                 | 9            |              |       |             |
| EDUC 461 | Student Teaching Seminar                                  | 1            |              |       |             |

Total Course Hours 45  
Total Practicum Hours \_\_\_\_\_

**All content area courses require a B- or better. Any course not meeting the grade of B- requires discussion with Education Advisor and Education Department Chair to determine further action.**

## **Content Area Licensure Courses**

### **Core Life Science Courses**

| <b>Course #</b>            | <b>Course Name</b>   | <b>Credit Hours</b> | <b>Term Planned</b> | <b>Grade</b> | <b>Final Audit</b> |
|----------------------------|--|---------------------|---------------------|--------------|--------------------|
| BIOL 111                   | Organismal Biology I and   | 3                   |                     |              |                    |
| BIOL 107                   | Biology Laboratory I (offered only in Fall)  | 1                   |                     |              |                    |
| BIOL 112                   | Organismal Biology II and  | 3                   |                     |              |                    |
| BIOL 108                   | Biology Laboratory II (offered only in Spring)   | 1                   |                     |              |                    |
| BIOL 121                   | Anatomy and Physiology I <b>OR</b> (offered only in Fall)  | 4                   |                     |              |                    |
| BIOL 122                   | Anatomy and Physiology II (offered only in Spring)   | 4                   |                     |              |                    |
| BIOL 226                   | Introduction to Cell and Molecular Biology<br>(pre-requisite BIOL 112/108, or 121 or 122) (offered only in Fall) | 3                   |                     |              |                    |
| BIOL 304                   | Evolution (pre-requisite BIOL 111/107, 112/108)  | 4                   |                     |              |                    |
| BIOL 306                   | Genetics (pre-requisite BIOL 112/108, or 121 or 122) (offered only in Fall)                                      | 4                   |                     |              |                    |
| BIOL 308                   | General Ecology (pre-requisite BIOL 111/107) (offered only in Fall)  | 4                   |                     |              |                    |
| BIOL 221                   | Vascular Plant Systematics (pre-requisite BIOL 111/107) (offered Even Fall)                                      | 4                   |                     |              |                    |
| BIOL 336                   | Cellular Physiology<br>(pre-requisite BIOL 112/108, 226, CHEM 111, 112) (offered only in Spring)                 | 4                   |                     |              |                    |
| BIOL 420                   | Senior Seminar (offered only in Spring)  | 3                   |                     |              |                    |
| CHEM 111                   | General Chemistry I  | 4                   |                     |              |                    |
| CHEM 112                   | General Chemistry II (offered only in Spring)  | 4                   |                     |              |                    |
| GEOL 110                   | Environmental Geology  | 4                   |                     |              |                    |
| PHEN 115                   | Introductory Physics (pre-requisite Math 170 or higher)  | 4                   |                     |              |                    |
| PHEN 150                   | Introduction to Astronomy (offered only in Spring)   | 4                   |                     |              |                    |
| MATH 140                   | Practical Statistics (pre-requisite MATH 100 or MATH ACT 18 or SAT 471)  | 3                   |                     |              |                    |
| <b>Total Science Hours</b> |  | <b>61</b>           |                     |              |                    |

**TOTAL HOURS**