COURSE OF STUDY

Muskingum University AYA Integrated Science/7-12 Biology Major

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 Name Course # Credit Term Grade Final **Planned** Hours Audit **EDUC 110** Introduction to Education 3 Educational Implications of Diversity (pre-co requisite EDUC 110) **EDUC 112** EDUC 101 Introductory Field Practicum 101 (co-requisite EDUC 112) 1 EDUC 215 | Educational Psychology Non-practicum Courses (Admission to Education Program Required) Course Name Credit Term Course # Grade Final Hours **Planned** Audit **EDUC 335** Educational Technology 3 Assessment in Education (pre-requisite EDUC 313) (pre-co requisite EDUC 330) **EDUC 341** 3 **Practicum 201 Courses – General Methods Courses** Credit **Course Name** Course # Term Grade Final **Planned** Hours Audit Curriculum and Instruction for the Adolescent (offered only in fall) (EDUC 201 co-**EDUC 313** 3 requisite) 3 **EDUC 330** Serving Individuals with Exceptionalities (offered only in fall) (EDUC 201 corequisite) Professional Practices in AYA Education (co-requisite EDUC 201) **EDUC 375** 3 Intermediate Field Practicum SP FA SP FA SP FA TOTAL **EDUC 201 Practicum 301 Courses – Content Method Courses** Course # **Course Name** Credit Term Grade Final Hours **Planned** Audit **EDUC 384** Integrated Science Methods for Middle Childhood and AYA educators (pre-3 requisite EDUC 313) (offered only in odd spring) (EDUC 301 co-requisite) **EDUC 413** Reading in the Content Areas (pre-requisite EDUC 313, or EDUC 370, EDUC 371) 3 (EDUC 301 co-requisite) SP SP **EDUC 301** Advanced Field Practicum SP FΑ FA FA **TOTAL Professional Semester Course Name** Course # Credit Term Grade Final Hours **Planned Audit EDUC 418** Professional Practices in Teacher Education 2 EDUC 419 2 Co-Teaching and Collaboration in Education **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 Biology Major Requirements Course Name Course # Credit Term Grade Final Hours **Planned** Audit Organismal Biology I and **BIOL 111** 3 BIOL 107 Biology Laboratory I (offered only Fall) 1 BIOL 112 Organismal Biology II and 3 BIOL 108 Biology Laboratory II (offered only in Spring) 1 Anatomy and Physiology I (offered only in Fall) **BIOL 121** 4 BIOL elective Choose one additional Biology Elective at any level 4 BIOL elective Choose one additional Biology Elective at any level 4 Introduction to Cell and Molecular Biology BIOL 226 3 (pre-requisite BIOL 112/108, or 121 or 122) (offered only in Fall) BIOL 306 Genetics (pre-requisite BIOL 112/108, or 121 or 122) (offered only in Fall) 4 4 BIOL 308 General Ecology (pre-requisite BIOL 111/107) (offered only in Fall) Cellular Physiology (pre-requisite BIOL 112/108, 226, CHEM 111, 112) (offered only in SP) 4 **BIOL 336** Senior Seminar (offered only in Spring) **BIOL 420** 3 Statistics (pre-requisite MATH 100 or MATH ACT 18 or MATH SAT 471) MATH 140 3 **CHEM 111** General Chemistry I 4 **CHEM 112** General Chemistry II (offered only in Spring) 4 **Total Biology Major Hours** 49 **Additional Integrated Science Requirements PHEN 115** Introductory Physics I (pre-requisite MATH 170 or higher; offered only in Fall) 4 **PHEN 116** Introductory Physics II (pre-requisite PHEN 115; offered only in Spring) 4 PHEN 150 Introduction to Astronomy 3 4 GEOL 101 Introduction to Geology

TOTAL HOURS

Total Additional Science Hours

15