

COURSE OF STUDY
Muskingum University
Middle Childhood Math & Science/4-9

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 or 312) (pre-co requisite EDUC 330)	3			
EDUC 370	Phonics and the Process of Reading	3			

Practicum 201 Courses – General Methods Courses

Course #	Course Name	Credit Hours	Term Planned	Grade	Final Audit
EDUC 313 (sub for 312)	Curriculum & Instruction for the Adolescent (offered only in fall) (EDUC 201 co-requisite)	3			
EDUC 330	Serving Individuals with Exceptionalities (EDUC 201 co-requisite)	3			
EDUC 371	Emergent through Adolescent Literacy (pre-requisite EDUC 370) (EDUC 201 co-requisite)	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 312) (offered only in odd spring) (EDUC 301 co-reg)	3			
EDUC 385	Integrated Math Methods for Middle Childhood and AYA Educators (pre-requisite EDUC 312) (offered only in even spring) (EDUC 301 co-reg)	3			
EDUC 413	Reading in the Content Areas (pre-requisite EDUC 370, EDUC 371) (EDUC 301 co-reg)	3			
EDUC 414	Reading Assessment and Intervention (pre-requisite EDUC 341, EDUC 370, EDUC 371, EDUC 413) (EDUC 301 co-reg)	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 450	Student Teaching Middle Level	9			
EDUC 461	Student Teaching Seminar	1			

Total Course Hours 57 **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 Courses

Mathematics Courses

Course #	Course Name	Credit Hours	Term Planned	Grade	Final Audit
MATH 140	Statistics (pre-requisite MATH 100 or ACT Math 18 or SAT math 471)	3			
MATH 180	*Pre-Calculus (pre-requisite MATH 170 or ACT MATH 21 or SAT MATH 546)	4			
MATH 190	Calculus I (pre-requisite MATH 180 or ACT Math 24 or SAT 576)	4			
MATH 230	Linear Algebra and Vectors (pre-requisite MATH 190) (offered only in fall)	3			
MATH 240	Discrete Mathematics I (pre-requisite MATH 180) (offered only in Spring)	3			
MATH 360	Geometry (pre-requisite MATH 240) (offered only in Fall)	3			
CPSC 100	Introduction to Computer Science	3			
Total Mathematics Hours		19/23			

Science Courses

Course #	Course Name	Credit Hours	Term Planned	Grade	Final Audit
BIOL 111	Organismal Biology I AND	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			
CHEM 111	General Chemistry I	4			
GEOL 101	Introduction to Geology OR	4			
GEOL 110	Environmental Geology	4			
GEOG 321	Weather and Climate	3			
PHEN 115	Introductory Physics (pre-requisite Math 170 or higher)	4			
PHEN 150	Introduction to Astronomy	4			
Total Science Hours		27			

* Students who are not prepared to take calculus when entering the university are also required to take MATH 180. This course provides precalculus materials for students who have not had it or do not demonstrate proficiency in it in high school.

TOTAL HOURS