

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

Academic Year: 2023-2024

Student Name: _____

Education candidates are required to earn a B- or better in all EDUC courses to move forward in the program.

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-fieldwork 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	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 201	Intermediate Field Practicum – co-requisite for all general methods courses All Practicum courses must be completed successfully each semester to move forward in the program. Practicum courses fulfill the field hours required by the Ohio Department of Higher Education to complete licensure.	1			
		1			
EDUC 312	Developmentally Responsive Middle Schools (offered only in fall)	3			
EDUC 330	Serving Individuals with Exceptionalities	3			
EDUC 371	Emergent through Adolescent Literacy (pre-requisite EDUC 370)	3			

Practicum 301 Courses – Content Method Courses

Course #	Course Name	Credit Hours	Term Planned	Grade	Final Audit
EDUC 301	Advanced Field Practicum – co-requisite for all content methods courses All Practicum courses must be completed successfully each semester to move forward in the program. Practicum courses fulfill the field hours required by the Ohio Department of Higher Education to complete licensure.	1			
		1			
		1			
EDUC 375	Professional Practices in Mathematics (offered only in Odd fall)	3			
EDUC 384	Science Methods for Middle Childhood Educators (pre-requisite EDUC 312) (offered only in spring)	3			
EDUC 385	Math Methods for Middle Childhood Educators (pre-requisite EDUC 312) (offered only in spring)	3			
EDUC 413	Reading in the Content Areas (pre-requisite EDUC 370, EDUC 371)	3			
EDUC 414	Reading Assessment and Intervention (pre-requisite EDUC 341, EDUC 370, EDUC 371, EDUC 413)	3			

Professional Semester

Course #	Course Name	Credit Hours	Term Planned	Grade	Final Audit
EDUC 465	Professional Practices in Middle Level	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 Education Hours 62

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 190)	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 471)	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 225, 230) (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.