COURSE OF STUDY
Muskingum University
AYA Math/7-12

Academic Year: 2024-2025 **Student Name**: _____

Education candidates are required to maintain 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	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) (EDUC 201 co-requisite)	3			
EDUC 330	Serving Individuals with Exceptionalities (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 375	Professional Practices in Mathematics (offered only in Odd fall) (EDUC 301 co-requisite)	3			
EDUC 385	Integrated Math Methods for Middle Childhood and AYA educators (pre-requisite EDUC 313) (offered only in 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 466	Professional Practices in Secondary Schools	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 Courses					
Course #	**Course Name**	**Credit Hours**	**Term Planned**	**Grade**	**Final Audit**
CPSC 100	Introduction to Computer Science	3			
MATH 190	**Calculus I** (pre-requisite MATH 180 or ACT Math 24 or SAT 576)	4			
MATH 200	Calculus II (pre-requisite MATH 190)	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 250	Discrete Mathematics II (pre-requisite MATH 240) (offered only in Fall)	3			
MATH 310	Calculus III (pre-requisite MATH 200) (offered only in Spring)	3			
MATH 330	Algebraic Structures (pre-requisite MATH 230, 250) (offered only in Spring)	4			
MATH 340	Mathematical Statistics (pre-requisite MATH 200, 240) (offered only in spring)	3			
MATH 360	Geometry (pre-requisite MATH 240) (offered only in Fall)	3			
MATH 410	Analysis (pre-requisite MATH 310, 340) (offered only in Fall)	4			
MATH 495	Mathematics Seminar (pre-requisite Permission of Instructor) (offered only in Fall)	1			
	Total Mathematics Hours	**38**			

*A high school background of four years of mathematics, including the equivalent of precalculus, is assumed. The equivalent of a university major in mathematics should provide for the successful completion of the outcomes listed by the Learned Society National Council of Teachers of Mathematics (NCTM). 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.
**students may receive AP credit for this course.

TOTAL HOURS____