

COURSE OF STUDY

Muskingum University

AYA Math/7-12

Academic Year: 2023-2024

Student Name: _____

Education candidates are required to maintain 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			

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 313	Curriculum and Instruction for the Adolescent (offered only in fall)	3			
EDUC 330	Serving Individuals with Exceptionalities	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 392	Integrated Mathematics Methods for the Adolescent (pre-requisite EDUC 313) (offered only in spring)	3			
EDUC 413	Reading in the Content Areas (pre-requisite EDUC 313, or EDUC 370, EDUC 371)	3			

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 Education Hours 50

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 471)	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 225, 230) (offered only in Spring)	4			
MATH 340	Mathematical Statistics (pre-requisite MATH 310) (offered only in spring)	3			
MATH 360	Geometry (pre-requisite MATH 225, 230) (offered only in Fall)	3			
MATH 410	Analysis (pre-requisite MATH 225, 310) (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.