

B.S.Ed. in Integrated Mathematics (Comprehensive Major)
 Four Year Curriculum Guide (Odd Years)
 Department of Mathematics and Computer Science

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
EDFN 130	Introduction to Teaching	3	EDFN 202	Teaching and Learning Process	3
ENG 101	Composition I (Core 2)	3	EDIS 250	Introduction to Educational Intervention	3
CORE	Institutional Requirement (Core 3)	3	ENG 102	Composition II (Core 5)	3
CORE	Institutional Requirement (Core 4)	3	CORE	Institutional Requirement (Core 6)	3
	TOTAL	17		TOTAL	17

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MATH 250	Mathematical Proof (spring only)	1
MATH 305	Calculus III (fall only)	4	MATH 307	Linear Algebra (spring only)	3
PSYC 218	Psychology of Adolescence (Core 7)	3	MATH 309	History of Mathematics (spring odd)	3
CORE	Institutional Requirement (Core 8)	3	EDCI 230SEC	AYA (7-12) Field Experience	1
CORE	Institutional Requirement (Core 9)	3	EDCI 232	Instructional Design and Educational Technology for Teaming	3
			CORE	Institutional Requirement (Core 10)	3
	TOTAL	16		TOTAL	14

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 311	Modern Geometry (fall odd)	3	MATH 108 or MATH 318	Introductory Statistics or Mathematical Statistics (spring even)	3
MATH 317	Probability (fall odd)	3	MATH 230	Mathematical Modeling (spring even)	3
READ 350	Content Area Reading	3	MATH 450	Seminar (spring only)	1
CS 101	Logic and Computing (fall only)	3	EDCI 330SEC	AYA (7-12) Field Experience II	3
CORE	Institutional Requirement (Core 11)	3	EDCI 320	Gen Methd mid & Secnd Classr	3
			CORE	Institutional Requirement (Core 12)	3
	TOTAL	15		TOTAL	16

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 415	Abstract Algebra (fall even)	3	EDFN 402	Social and Professional Issues	2
ELECTIVE	Math/CS/Physics Elective	3-5	EDCI 461	Student Internship Grades 7-12	10
CORE	Institutional Requirement (Core 13)	3			
CORE	Institutional Requirement (Core 14)	3			
CORE	Institutional Requirement (Core 15)	3			
	TOTAL	15-17		TOTAL	12

122-124 hours

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
EDFN 130	Introduction to Teaching	3	EDFN 202	Teaching and Learning Process	3
ENG 101	Composition I (Core 2)	3	EDIS 250	Introduction to Educational Intervention	3
CORE	Institutional Requirement (Core 3)	3	ENG 102	Composition II (Core 5)	3
CORE	Institutional Requirement (Core 4)	3	CORE	Institutional Requirement (Core 6)	3
	TOTAL	17		TOTAL	17

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MATH 230	Mathematical Modeling (spring even)	3
MATH 305	Calculus III (fall only)	4	MATH 250	Mathematical Proof (spring only)	1
PSYC 218	Psychology of Adolescence (Core 7)	3	MATH 307	Linear Algebra (spring only)	3
CORE	Institutional Requirement (Core 8)	3	EDCI 230SEC	AYA (7-12) Field Experience I	1
CORE	Institutional Requirement (Core 9)	3	EDCI 232	Instructional Design and Educational Technology for Teaming	3
			CORE	Institutional Requirement (Core 10)	3
	TOTAL	16		TOTAL	14

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 415	Abstract Algebra (fall even)	3	MATH 108	Introductory Statistics	3
ELECTIVE	Math/CS/Physics Elective	3-5	EDCI 330SEC	AYA (7-12) Field Experience II	3
READ 350	Content Area Reading	3	EDCI 320	Gen Methd Mid & Secnd Classr	3
CS 101	Logic and Computing	3	MATH 309	History of Mathematics (spring odd)	3
CORE	Institutional Requirement (Core 11)	3	MATH 450	Seminar (spring only)	1
			CORE	Institutional Requirement (Core 12)	3
	TOTAL	15-17		TOTAL	16

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 311	Modern Geometry (fall odd)	3	EDFN 402	Social and Professional Issues	2
MATH 317	Probability (fall odd)	3	EDCI 461	Student Internship: Grades 7-12	10
CORE	Institutional Requirement (Core 13)	3			
CORE	Institutional Requirement (Core 14)	3			
CORE	Institutional Requirement (Core 15)	3			
	TOTAL	15		TOTAL	12

122-124 hours