

Bachelor of Science in Education

Mathematics Major

University Studies Program	Mathematics Major
	40 hours
UI100 First Year Seminar 3	Requirements
Artistic Expression 3 any artistic course	MA138 Discrete Mathematics 3
Literary Expression 3 any Literature course	MA140 Analytic Geom & Calc I 5
Oral Expression	MA145 Analytic Geom & Calc II 4
SC105 Fund of Oral Communications+ 3	MA240 Analytic Geom & Calc III 3
Written Expression	MA223 Elem. Prob & Statistics (or MA523) 3
EN140 Rhetoric & Critical Thinking 3	MA250 Foundations of Mathematics 3
WP002 Writing Skills Test 0	MA334 Computer Programming 3
Behavioral Systems	MA340 Concepts of Geometry ³ 3
PY222 Development of the Adolescent+ 3	MA345 Linear Algebra 3
Living Systems 3	MA443 Elem Number Theory ² 3
any BI/BS course	MA445 Modern Algebra 3
Logical Systems	MA448 Mathematics Seminar 1
MA140 Analytic Geom & Calc I+ 5	UI438 The Nature & Growth of Mathematical Thought 3
Physical Systems 3	
any CH, PH, or GO150 or UI373 Hist. Geo.	Electives 3 hours
Development of Major Civilization	MA523 Probability & Statistics I ¹ 3
US105 Amer Hist I or US107 Amer Hist II 3	MA540 Projective Geometry ² 3
Economic Systems 3	MA545 Linear Algebra & Matrices 3
EC101 or EC215	MA546 Advanced Calculus I ¹ 3
Social Systems 3	Notes: ¹ offered in fall only
SE275 Diversity in America's Schools#+	² offered in spring only
Political Systems	³ offered in summer and fall only
PS103 3	Secondary Education Curriculum
Upper-Level Interdisciplinary Curriculum	Block I
UI3xx 3	SE200 Introduction to MSE Technology 2
UI3xx 3	SE202 Introduction to MSE Teaching 2
UI438 The Nature and Growth of Mathematical Thought 3	PY222 Development of the Adolescent [3]#
+ Course(s) must be completed with a minimum grade of C.	Block II (prerequisite: Admission to the Teacher Education Program)
	EF304 School and Society 2
	SE305 Middle and Secondary Block II Field Experience 2
	SE306 Theories of Learning & Management 2
	SE307 Teaching Reading in Secondary School 2
	SE308 Fundamentals of High School Education 3
	SE275 Diversity in America's Schools 3#
	Block III
	SE300 Technology to Enhance Learning 2
	SE311 Technique of Teaching High School Mathematics 3
	SE370 Secondary Block III: Field Experience 2
	EX390 Psychology & Ed of Exceptional Child* 3
	Block IV
	SE463 Student Teaching Secondary (1 st) 6
	SE464 Student Teaching Secondary (2 nd) 6
	EF400 Seminar in Educ Issues for St Tchng 1
	*EX390 must be completed or cannot proceed to Block IV
	#Course counts also as University Studies as well as a Professional Education course, Social Studies majors take SO102 instead.