

BS: Elementary Education — Mathematics (128 S.H. required to complete the degree)

Name: _____ Adviser: _____



General Education Requirements (47 S.H.)

COMMUNICATION SKILLS (3 S.H.)* Choose one of the following: COM 160 Public Speaking*, COM 161 Decision Making in Groups*, COM 162 Interpersonal Communication* or COM 163 Introduction to Communication Skills*		
COM:	3	
WRITING INTENSIVE (W) * All students must complete at least one writing intensive course. W courses can be found in several disciplines. The credits will be counted in the discipline associated with the course. NOTE: WRT101 does not satisfy the writing intensive requirement.		
Writing Intensive*	Y/N	
HUMANITIES (15 S.H.) Humanities courses can be found in seven areas including: Communications, Fine and Applied Arts <i>NOTE: Students may only use one studio course to satisfy this requirement</i> , Foreign Languages, Humanistic Studies, Literature, Philosophy, and History. You must complete courses in at least three areas. NOTE: You must complete the foreign language requirement (Elementary II or higher) before counting Elementary I foreign language courses as Humanities credit.		
Fine/Applied Arts	3	
Select one: ENG 105, ENG 106 or ENG 107	3	
HIS 148 American History: To 1877	3	
HIS 149 American History: Since 1877	3	
Elective:	3	
SOCIAL AND BEHAVIORAL SCIENCES (12 S.H.) Courses that satisfy this requirement can be found in Social Sciences (Anthropology, Economics, Political Science, Social Sciences, and Sociology), Non-Western Cultures and Psychology.		
ANT 100 or SOC 100*	3	
GEO 100 Principles of World Geography *	3	
EPY 204 Adolescent Development in School *	3	
Elective:		
NATURAL SCIENCES, MATHEMATICS AND COMPUTER SCIENCE (15 S.H.) Students must complete two lab science and two math courses.		
MAT 105 Foundations of Math I *	4	
CS 143 Visual Basic or CS 170 Computer Science I or CS 140 Intro to Programming	3-4	
Lab Science *	4	
Lab Science *	4	
HEALTH PROMOTION AND EXERCISE SCIENCES (2 S.H.)		
HPX 177 Fitness for Life — Lecture	1	
HPX 177 Fitness for Life — Activity	1	
FREE ELECTIVE (2 S.H.)		
Elective:	2	

*C or better is required for courses.

**B or better is required for courses.

NOTES

Major Requirements (77 S.H.)

MATH MAJOR REQUIREMENTS (36 S.H.) MINIMUM 3.0 G.P.A.		
MAT 150 Math Seminar I	0.5	
MAT 151 Math Seminar II	0.5	
MAT 181 Calculus I or MAT 171 (MAT 170 must be completed)	3	
MAT 182 Calculus II	3	
MAT 120 Elementary Statistics	3	
MAT 242 Foundations of Geometry	3	
MAT 272 Introduction to Linear Algebra	3	
MAT 342 Topics in Geometry	3	
MAT 250 Mathematical Modeling or MAT 251 Posing & Solving Problems in Math or MAT 363 History of Mathematics	3	
Math Elective- from approved list	3	
Math Elective-from approved list	3	
Math Elective-from approved list	3	
Math Elective-from approved list	3	
ELEMENTARY EDUCATION CERTIFICATION REQUIREMENTS (41 S.H.)		
EPY 203 Child Development in School Setting**	3	
ED 206 Becoming a Professional Educator**	3	
ED 210 Foundations of Literacy I **	3	
ED 301 Foundations of Literacy II **	3	
HPX 215 Health Issues in the Schools **	3	
PROFESSIONAL SEMESTER- COMPLETED AS 13 S.H. BLOCK		
EPY 405 Introduction to Special Education**	3	
ED 320 Professional Development School Experience **	1	
ED 415 Elementary School Science **	3	
ED 425 Elementary School Social Studies **	3	
ED 430 Foundations of Literacy III **	3	
STUDENT TEACHING- COMPLETED AS 13 S.H. BLOCK		
ED 340 Assessment of Teaching Strategies	1	
ED 341 Student Teaching	12	
EXAMS FOR STATE CERTIFICATION		
CT Foundations of Reading		
Praxis I (or waiver) Required for admittance to program		
Praxis II		
LICENSE		
TK 20		

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Four-Year Plan This is a sample sequence of courses. Other combinations are possible.



Prerequisites are in parentheses; see catalog for details.

Class standing by credit: Freshman: 0-29 credits; Sophomore: 30-59 credits; Junior: 60-89 credits; Senior: 90+ credits

FIRST YEAR (31 S.H.)	SEMESTER 1 (15.5 S.H.)			SEMESTER 2 (15.5 S.H.)		
	Writing Intensive: ENG 104W, 105W, 106W or 107W	3		Gen Ed: ANT 100 or SOC 100	3	
	Gen. Ed: HIS 148 American History to 1877	3		Gen. Ed: HIS 149 American History from 1877	3	
	Gen. Ed: Fine Art	3		Gen Ed: GEO 100 Principles of World Geography	3	
	Gen. Ed: COM 160, 161, 162 or 163	3		Gen Ed: Social and Behavioral Sciences (Choice)	3	
	CS 140 Introduction to Programming (MAT 100 or appropriate placement) or CS 143 Visual BASIC (MAT 100 or appropriate placement) or CS 170 Computer Science I (CS 140 or CS 143 or permission of instructor)	3/4		Gen Ed: Humanities	3	
MAT 150 Math Seminar I (declared Math major or MAT 100 or placement exam)	.5		MAT 151 Math Seminar II (MAT 150)	.5		

SECOND YEAR (33 S.H.)	SEMESTER 3 (17 S.H.)			SEMESTER 4 (17 S.H.)		
	Gen. Ed: MAT 105 Foundations of Math I (MAT 100 with a grade \geq C or appropriate placement score)	4		MAT 182 Calculus II (MAT 181 or appropriate placement)	4	
	Gen. Ed: Lab Science	4		Gen. Ed: Lab Science	4	
	MAT 181 Calculus I (MAT 133 or appropriate placement) or MAT 171 (MAT 170)	3		MAT 120 Elementary Statistics (C or higher in MAT 100 or appropriate test score)	3	
	Gen Ed: EPY 204 Adolescent Development in School (completion of 30 credits and cumulative GPA \geq 2.67)	3		EPY 203 Child Development in School Setting (completion of 30 credits of course work and cumulative GPA \geq 2.67)	3	
ED 206 Becoming a Professional Educator (GPA \geq 3.0)	3		HPX 215 Health Issues in the Schools	3		

THIRD YEAR (32 S.H.)	SEMESTER 5 (17 S.H.)			SEMESTER 6 (15 S.H.)		
	Math Elective	3		MAT 272 Introduction to Linear Algebra (MAT 182)	3	
	Math Elective	3		MAT 342 Topics in Geometry (MAT 242)	3	
	Math Elective	3		Choice: MAT 250 (MAT 182), MAT 251 (MAT 182) OR MAT 363 (MAT 182)	3	
	MAT 242 Foundations of Geometry (junior standing in an Education major)	3		MAT Elective	3	
	ED 210 Foundations of Literacy I: Reading Development	3		ED 301 Foundations of Literacy II: Development of Reading Comprehension with a Focus in Elements of Genre (ED 210 with a grade \geq B)	3	
	HPX 177 (Lecture and Activity)	2				
Complete a degree audit and plan for application for graduation						

FOURTH YEAR (26 S.H.)	SEMESTER 7 (13 S.H.)			SEMESTER 8 (13 S.H.)		
	EPY 405 Introduction to Special Education (EPY 203 or 204 OR PSY 210 or 211)	3		ED 340 Assessment of Teaching Strategies (Grade K-12)	1	
	ED 320 Professional Development School Experience	1		ED 341 Student Teaching- Elementary Majors	12	
	ED 415 Elementary School Science: Content, Skills and Teaching Methods	3				
	ED 425 Elementary School Social Studies: Content, Skills & Teaching Methods	3				
ED 430 Foundations of Literacy III: Assessment, Differentiated Learning and the English Language Learner and Special Needs Student (ED 210 and ED 301 with a grade \geq B)	3					

Approved Math Electives: MAT 165, MAT 211, MAT 212, MAT 220, MAT 250, MAT 251, MAT 281, MAT 282, MAT 298, MAT 299, MAT 351, MAT 356, MAT 358, MAT 363, MAT 381, MAT 382, MAT 400, MAT 410, MAT 411, MAT 416, MAT 431, MAT 432, MAT 481, MAT 482

Note: MAT 298 and MAT 299 may be applied to the major only if approved by the department.

The Education Department requirements are outlined on the department website. Please note requirements for admission to the program, exams, certifications, professional education fees and student teaching policies.