

Foundations

First Year Seminar		1 hour
FCS 1010	First Year Seminar I	1

Effective Communication		12 hours
ENG 1010 or 30	English Composition I	3
ENG 1020 or 40	English Composition II	3
COM 1010	Introduction to Communication	3
ENG 2110-90	Introduction to Literature	3

An Examined Life		6 hours
CST 1011	Survey of the Old Testament	3
CST 1012	Survey of the New Testament	3

Historical & Social Perspective		9 hours
<i>Complete the following:</i>		3
LAR 2514	Christ-Centered Critical Thinking	
<i>Choose one:</i>		3
GROUP 1		
• HIS 1020	Modern Civ. since 1648	
• HIS 2060	American Civilization II	
• MUS 2150	History & Literature I	
<i>Choose one:</i>		3
GROUP 2		
• ECO 2100	Microeconomics	
• ECO 2110	Macroeconomics	
• PSY 1010	Introduction to Psychology	
• SOC 1010	Introduction to Sociology	
• POS 2110	American Government	

Artistic Expression		3 hours
<i>Choose one:</i>		3
• ART 1500	Art Fundamentals	
• ART 2010	Art, Culture, & Values	
• DAN 2260	Dance Appreciation	
• THE 2250	Theatre Appreciation	
• MUS 2030	Music Appreciation	
• MUS 2430	World Music	

Quantitative & Scientific Reasoning		7 hours
<i>Choose one:</i>		4
• BIO 1010	General Biology I	
• BIO 1020	General Biology II	
• CHE 1030	General Chemistry I	
• EAS 2010	Physical Geography	
• EAS 2020	Geology	
• NAS 1010	Physical Science I	
• NAS 1020	Physical Science II	
• PHY 1030	General Physics I	
<i>Complete the following:</i>		3
MAT 1110	College Algebra	

Foundation Hours

38

BS, Mathematics Education, 6-12 Certification

BS Math & Science Requirement		11 hours
<i>BS students must complete 10-11 hours from the following courses not used in their foundations. One course must be a lab science. One course must be a math.</i>		
Complete the following courses:		7
MAT 1120	Precalculus Math	3
MAT 2610	Calculus I	4
Complete one of the following:		4
• BIO 1010 (lab science)	• PHY 1030 (lab science)	
• BIO 1020 (lab science)	• PHY 1040 (lab science)	
• BIO 2040 (lab science)	• NAS 1010 (lab science)	
• BIO 2060 (lab science)	• NAS 1020 (lab science)	
• CHE 1030 (lab science)	• EAS 2010 (lab science)	
• CHE 1040 (lab science)		

Mathematics Education Major Courses

Mathematics Courses		31 hours
MAT 1110	College Algebra--Foundations	
MAT 1120	Precalculus Math—BS requirement	
CIS 2040	Intro. to Programming	3
MAT 2080	Math for Middle Grades	3
MAT 2120	Intro. to Discrete Methods	3
MAT 2610	Calculus I-BS requirement	
MAT 2620	Calculus II	4
MAT 3020	Euclidean Geometry	3
MAT 3180	Introduction to Statistics	3
MAT 3450	Problem Solving with Computers	3
MAT 4010	Linear Algebra	3
MAT 4020	Modern Algebra	3
MAT 4050	History of Mathematics	3

Education Courses		39 hours
EDU 2000	TPP Fundamentals	0
EDU 2110	Crit/Cont Issues in Education	3
EDU 2120	Sociocultural Perspectives on Diversity	3
EDU 2130	Exploring Teaching and Learning	3
EDU 2950	Teacher Technology	3
EDU 3100	Exceptional Learners	3
EDU 3260	Measurement/Evaluation: MGE/SE	2
EDU 3450*	Principles for Diverse Learners: SE	3
EDU 3705	Classroom Management: MGE/SE	1
EDU 4055*	Mathematics Education: SE	3
EDU 4105*	Secondary Field Experience Seminar	3
EDU 4130*	Clinical Practice: SE	12

Electives

1 hour

Minimum Semester Hours in Degree

120

Additional graduation requirements apply to all education majors. Requirements are based on state and national guidelines, and education majors must meet all graduation requirements in existence at the time of their graduation. Current requirements may be found in the Teacher Preparation Program Handbook.

*Course must be taken at Shorter University.
All MAT courses count in the Content GPA.