

Messiah College
Education with Teaching Certification in Grades 4-8 (B.S.)
with Math and Social Studies Concentration
Requirements for students matriculating in 2015-2016

		HACC Course Options	
Major requirements	Credits		Credits
[BIOL 106] Life Sciences	3	BIOL 101, 102	
Three credits from the following: [CIS 171] Problem Solving with Computers (3) [CIS 180] Intro to Computer and Information Science (3)	3		
[EDSP 207] Intro to Special Education	3		
[EDSP 307] Inclusion Practices	3		
[EDUC 201] Education and American Society*	3	EDUC 101	
[EDUC 203] Educational Psychology	3	PSYC 201	
[EDUC 205] Cultural & Political Geography	3	GEOG 230	
[EDUC 209] Principles & Structures of Mathematics	3	MATH 113 and 114	
[EDUC 226] Children's Literature	3		
[EDUC 302] Literacy: Climate, Curriculum & Instruction II	3		
[EDUC 304] Math: Climate, Curriculum & Instruction II	3		
[EDUC 305] Middle Level Methods	3		
[EDUC 308] ELL Instruction and Assessment	3		
[EDUC 331] Instructional Design & Assessment for Middle & Secondary Grades*	3		
[EDUC 342] Social Studies: Climate, Curriculum & Instruction	3		
[EDUC 346] Socio-Cultural Perspectives on Education	3		
[EDUC 347] Science: Climate, Curr & Instr	3		
[EDUC 407] Student Teaching Seminar	1		
[EDUC 420] Professional Issues in Education*	2		
[TEP 210] Sophomore Field Experience	0		
[TEP 316] Field Experience II in Grade 6-8	0		
[TEP 318] Field Experience III in Grade 4-5	0		
[TEP 433] Student Teaching: Grades 4-8	8		
ENGL 122-176 Literature	3	ENGL 201-279	
[ESS 201] Earth and Space Science	3	PHSC 114	
Three credits from the following: [HIST 141] U.S. History Survey to 1865 (3) [HIST 141] U.S. History Survey Since 1865 (3)	3	HIST 103 HIST 104	
3-4 credits, determined by concentration: Science, English, Science & English, Social Studies, Science and Social Studies: (3) [MATH 101] Introduction to Mathematical Sciences [MATH 102] The Mathematics of Growth (3) [MATH 108] Intuitive Calculus with Applications (3) [MATH 111] Calculus I (4)	3-4	MATH 111, 114 MATH 103, 119 MATH 121	

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Math, Math & Social Studies, Math & English, Math & Science concentrations: [MATH 111] Calculus I (4)			
[PHSC 102] Foundations of Physical Science	3	PHSC 113	
[PSYC 311]/[HDFS 311] Adolescent Development	3	PSYC 211	
Math & Social Studies Concentration (17)			
[CIS 181] Computer Programming I	3	CPS 121	
A second, additional course in U.S. History: [HIST 141] U.S. History Survey to 1865 (3) or [HIST 141] U.S. History Survey Since 1865 (3)	3	HIST 103 HIST 104	
[HIST 258] Historical Methods	3		
[HIST 3XX] World history elective	3	HIST 214, 218, 221	
[MATH 307] Secondary Mathematics/ Physics Instruction	2		
[STAT 269] Introductory Statistics	3	MATH 202	
Experiential Learning requirement	0		

QuEST requirements	Credits	HACC Courses	
First Year Seminar	3	ENGL 101 (if taken after high school)	
Oral Communication	3	COMM 101 or SPCH 101	
Created and Called for Community (W)	3	<i>Messiah Course</i>	
Mathematical Sciences (CIS 171, 180 or 181, MATH 111)	met/major	-	-
Laboratory Science (BIOL 106 & PHSC 102)	met/major	-	-
Science, Technology & the World	waived	-	-
Social Science (EDUC 203)	met/major	-	-
European History or U.S. History (HIST 141 or 142)	met/major	-	-
Literature (ENGL 122-176)	met/major	-	-
Philosophy and Religion	reduction	-	-
Arts	3	ARCH 111, ART 102, 105, 107, 121, 151, 171, MUS 102, 104, 110, 119, 210, THEA 101, 110, 111	
First Semester of Language	3	Any Modern Language 1 st Level	
Second Semester of Language	3	Any Modern Language 2 nd Level	
Third Semester of Language or Cross Cultural (Messiah Course)	3	Any Modern Language Intermediate Level	
Non-Western Studies (HIST 3XX)	met/major	-	-

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Bible	3	<i>Messiah Course</i>	
Christian Beliefs	3	<i>Messiah Course</i>	
Wellness	1	Any two Messiah WELL 100 Equivalent Courses	2
Ethics, World Views or Pluralism (EDUC 346)	met/major	<i>Messiah Course</i>	
QuEST requirements	28		
Major requirements	98		
Total	126		

Note: [CIS 181](#) is required in the Math and English, and Math and Social Studies Concentrations. It is therefore not included as an elective in the core for this concentration. EDUC 201 fulfills Writing Enriched course requirement for Major.

Science courses that count toward the QuEST Lab Science requirement for non-Science majors:

Messiah Course		HACC Course	
<u>BIOL 102</u>	Bioscience	<u>ENSP 180</u>	Introduction to Environmental
<u>CHEM 102</u>	Chemistry for Living	<u>CHEM 100</u>	<u>Principles of Chemistry</u>
<u>CHEM 102</u>	Chemistry for Living	<u>CHEM 113</u>	<u>Chemistry for the Nonscientist</u>
<u>BIOL 258</u>	Human Biology	<u>BIOL 111</u>	<u>Introduction to Human Biology</u>
<u>SCIE 100</u>	Gen Ed. Lab Science Elect	<u>BIOL 108</u>	<u>Intro to Biological Science</u>
<u>SCIE 100</u>	Gen Ed Lab Science Elective	<u>ASTR 104</u>	<u>Intro Stellar Astronomy</u>
<u>SCIE 100</u>	Gen. Ed Lab Elective	<u>ENVS 201</u>	<u>Intro to Environmental Science</u>
<u>SCIE 100</u>	Gen Ed Lab Science Elective	<u>ASTR 103</u>	<u>Intro to Planetary Astronomy</u>
<u>SCIE 100</u>	Gen Ed Lab Science Elective	<u>PHSC 114</u>	<u>Intro Physical Science II</u>
<u>SCIE 100</u>	Gen Ed Lab Science Elective	<u>METR 101</u>	<u>Weather and Climate</u>

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