

**Bachelor of Science in Math: Math Education emphasis 2017-18**  
**— Worksheet & Pre-Requisites —**

Course #	Course title	CR	Of'rd	Pre-Requisites
<b>MATH CORE</b>				
MATH 1220	Calculus II	4	F/S	"C" in MATH 1210 or AP Calc
MATH 2210	Calculus III	4	F/S	"C" in MATH 1220
MATH 2270	Linear Algebra	3	F/S	MATH 1220
MATH 2280	Differential Equations	3	S	MATH 1220 & MATH 2270
MATH 3120	Transition to Advanced Mathematics	3	S	MATH 1220 & MATH 2270
MATH 3130	Modern Geometries	3	S	MATH 3120
MATH 3700	Probability & Statistics	4	F/S	MATH 1220
MATH 4220	Abstract Algebra I	3	F	MATH 3120
MATH 4400	Advanced Calculus I	3	F	MATH 2210, 3120 & 2270
MATH 4900	Methods Teaching 2dary School Math	3	F	MATH 1210 or permission
MATH 4980	Student Teaching	2	F/S	
MATH 3140 OR MATH 3160	History of Mathematics OR Number Theory		S-even F-odd	MATH 2270 MATH 3120
Math electives	Any upper division math courses	6		
<b>LICENSURE COURSES</b>				
EDUC 3000	Principles of Teaching & Learning	3	F/S	
EDUC 3200	Educational Psychology	3	F/S	
SPED 3030	Educating Exceptional Students	3	F/S	
SCED 3400	Educating Diverse Populations	3	F/S	
<b>ADMISSION TO ED PROGRAM</b>				
EDUC 3180	Instructional Tech for Teaching & Learning	3	F/S	Admission to Teacher Education
SCED 3720	Content Area Literacy & Common Core	3	F/S/Su	Admission to the Teacher Education MATH 4900
<b>SCED 3570</b>	<b>Secondary Classroom Management</b>	<b>3</b>	<b>F/S</b>	<b>Co-requisites: SCED 3590</b> <b>Admission to Teacher Education</b>
<b>SCED 3590</b>	<b>Planning, Delivery &amp; Assessment</b>	<b>3</b>	<b>F/S</b>	<b>Co-requisites: SCED 3570</b> <b>Admission to Teacher Education</b>
<b>STUDENT TEACHING</b>				
SCED 4520	Practicum/Induction Seminar	2	F/S	SCED 3570, SCED 3590. Co-requisites: Departmental Permission
SCED 4980	Secondary Student Teaching	8	F/S	Admission to Student Teaching.
<b>ELECTIVES</b>				
<i>To total 120 credits</i>				
<b>University Requirement</b>				
EDGE 1010	Becoming an Engaged Learner	1	F/S/Su	
EDGE 30XX	Project Proposal and Planning	1	F/S/Su	EDGE 1010
EDGE 40XX	Project Reporting and Reflection	1	F/S/Su	EDGE 30XX
<b>GENERAL EDUCATION</b>				
ENGL 1010	Intro to Academic Writing	3	F/S/Su	
ENGL 2010	Intermediate Writing	3	F/S/Su	ENGL 1010
<b>MATH 1210</b>	<b>Calculus I</b>	4	F/S/Su	"C" in MATH 1050/60
LM 1010	Information Literacy	1	F/S/Su	
AI:		3	F/S/Su	
CSIS 1000	Intro to Computer Apps & Internet	3	F/S/Su	
FINE ARTS		3	F/S/Su	
HUMANITIES		3	F/S/Su	
SOCIAL SCI		3	F/S/Su	
LIFE SCIENCE		3	F/S/Su	
PHYS SCI: PHYS 2210/15*	Physics for Scientists & Engrs I/lab	5	F/S	MATH 1210
<b>*(Strongly Recommended)</b>				