

Bachelor of Science in Math: Math Education emphasis 2013-14
— Worksheet & Pre-Requisites —

Course #	Course title	C R	Of'rd	Pre-Requisites
MATH CORE				
MATH 1220	Calculus II	4	F/S	"C" in MATH 1210 or <u>AP Calculus</u>
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	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 electives	Any upper division math courses	9		
LICENSURE COURSES				
EDUC 3000	Principles of Teaching & Learning	3	F/S	
SCED 3400	Educating Diverse Populations	3	F/S/M	
ADMISSION TO ED PROGRAM				
EDUC 3180	Educational Decision Making	3	F/S	
SCED 3200	Secondary Education Psychology	3	F/S	
SCED 3570	Secondary Classroom Management	3	F/S	Co-requisites: SCED 3590 and Departmental Permission
SCED 3590	Professional Instruction, Planning & Develop	3	F/S	Co-requisites: SCED 3570 and Departmental Permission.
SCED 3720	Content Area Literacy	3	F/S/M	Admission to the Teacher Education Department and Academic 4900 Course.
SPEC 3030	Educating Exceptional Students	3	F/S	
SCED 4520	Practicum/Induction Seminar	3	F/S	Admission to the Teacher Education Department, SCED 3570, SCED 3590. Co-requisites: Departmental Permission
SCED 4980	Secondary Student Teaching	7	F/S	Admission to Teacher Ed Department. Co-req: Admtd to Student Teaching.
ELECTIVES				
	<i>To total 120 credits</i>			
UNIV Requirement				
UNIV 1010	Introduction to Experiential Education	1	F/S/M	
UNIV 3925	EER Proposal	1	F/S/M	UNIV 1010
UNIV 4925	Synthesis and Reflection	1	F/S/M	UNIV 3925
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3	F/S/M	
ENGL 2010	Intermediate Writing	3	F/S/M	ENGL 1010
MATH 1210	Calculus I	4	F/S/M	"C" in MATH 1050/60 or pre-college 2-1/2 yrs-Alg/1 yr-Geo/1/2 yr-Trig
LM 1010	Information Literacy	1	F/S/M	
AI:		3	F/S/M	
CSIS 1000	Intro to Computer Apps & Internet	3	F/S/M	
FINE ARTS		3		
HUMANITIES		3		
SOCIAL SCI		3		
LIFE SCIENCE		3		
PHYS SCI: PHYS 2210/15*	Physics for Scientists & EngrI/lab	5	F/S	MATH 1210
*(Strongly Recommended)				