

CLEMSON UNIVERSITY EUGENE T. MOORE SCHOOL OF EDUCATION
MATHEMATICS TEACHING
Grades 9 - 12
BACHELOR OF SCIENCE
CURRICULUM PLAN 2009-2010

The program leading to a Bachelor of Science degree in Mathematics Teaching is designed for students planning to teach mathematics on the secondary school level (grades 9–12).

FRESHMAN YEAR

<u>Fall Semester</u>			<u>Spring Semester</u>		
CH 105	Chemistry in Context I	4	CH 106	Chemistry in Context II	4
ED 105	Orientation to Education	2	ENGL103	Accelerated Composition	3
MTHSC 106	Calculus of One Variable I	4	MTHSC 108	Calculus of One Variable II	4
PHIL 102	Introduction to Logic	3	MTHSC 129	Prob. Solving in Discrete Math	3
	Cross-Cultural Awareness Requirement ¹	3		Science Requirement ²	<u>3</u>
LIB 100	Clemson Connect	<u>0</u>			
		16			17

SOPHOMORE YEAR

<u>Fall Semester</u>			<u>Spring Semester</u>		
COMM 150	Introduction to Human Comm OR	3	ECON 200	Economic Concepts OR	3
COMM 250	Public Speaking		ECON 211	Principles of Microeconomics	
MTHSC 206	Calculus of Several Variables	4	ED F 302	Educational Psychology	3
PHYS 122	Physics with Calculus I	3	ED F 315	Technology Skills for Learning	1
PHYS 124	Physics Lab. I	1	MTHSC 208	Intro. to Ordinary Diff. Equations	4
	Arts & Humanities (Lit) Requirement ³	3	MTHSC 311	Linear Algebra	3
	Science Requirement ²	<u>3</u>	PHYS 221	Physics with Calculus II	3
		17	PHYS 223	Physics with Lab. II	<u>1</u>
					18

JUNIOR YEAR

<u>Fall Semester</u>			<u>Spring Semester</u>		
ED F 301	Principles of American Education	3	ED F 335	Adolescent Growth and Development	3
EDSEC 326	Practicum in Secondary Math	3	ED SP 370	Introduction to Special Education	3
ENGL 314	Technical Writing	3	EDSEC 437	Technology in Second Mathematics	3
MTHSC 302	Statistics for Science and Engineering	3	MTHSC 308	College Geometry	3
SOC 201	Introduction to Sociology OR	<u>3</u>	MTHSC 412	Introduction to Modern Algebra	<u>3</u>
SOC 202	Social Problems				15
		15			

SENIOR YEAR

<u>Fall Semester</u>			<u>Spring Semester</u>		
ED F 425	Instructional Technology Strategies ⁴	1	EDSEC 446	Teaching Intern. in Sec. Math. ⁵	9
EDSEC 426	Teaching Secondary Mathematics ⁴	3	EDSEC 456	Sec. Math. Capstone Seminar ⁵	<u>3</u>
MTHSC 400	Theory of Probability OR	3			
MTHSC 405	Stat. Theory & Methods II	3			
MTHSC 408	Topics in Geometry	3			
MTHSC 453	Advanced Calculus I	3			
READ 498	Secondary Content Area Reading ⁴	<u>3</u>			
		<u>16</u>			12

TOTAL HOURS – 126

¹See General Education Requirements

²Select from courses in ASTR, BIOL, BIOSC, CH, GEOL, PHYS

³ENGL 212, 213, 214, or 215

⁴ED F 425, EDSEC 426, and READ 498 must be taken concurrently. **Offered fall semester only.**

⁵EDSEC 446 and 456 must be taken concurrently. **Offered spring semester only.**