

**CLEMSON UNIVERSITY
MATHEMATICS TEACHING
BACHELOR OF SCIENCE**

CURRICULUM PLAN 2005-2006

FRESHMAN YEAR

<u>Fall Semester</u>		<u>Spring Semester</u>	
CH 105 Beginning General and Organic Chemistry	4	CH 106 Beginning General and Organic Chemistry	4
ED 105 Orientation to Education	1	ENGL103 Accelerated Composition	3
Cross-Cultural Awareness Requirement [1]	3	MTHSC 108 Calculus of One Variable II	4
MTHSC 106 Calculus of One Variable I	4	MTHSC 129 Prob. Solving in Discrete Math	3
PHIL 102 Introduction to Logic	<u>3</u>	Elective	<u>1</u>
	15		15

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 (THRD) Tech. Skills for Learning	1
PHYS 124 Physics Lab. I	1	MTHSC 208 Intro to Ordinary Diff. Equations	3
Arts & Humanities (Literature) Requirement [2]	3	MTHSC 311 Linear Algebra	3
Science Requirement [3]	<u>3</u>	PHYS 221 Physics with Calculus II	3
	17	PHYS 223 Physics with Lab. II	<u>1</u>
			17

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
MTHSC 302 Statistics for Science and Engr.	3	ED SP 370 Introduction to Special Education	
	3		
MTHSC 308 College Geometry	3	EDSEC 437 Technology in Secondary Mathematics	3
SOC 201 Introduction to Sociology or	3	MTHSC 408 Topics in Geometry	3
SOC 202 Social Problems		MTHSC 412 Introduction to Modern Algebra	<u>3</u>
Science Requirement [3]	<u>3</u>		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
READ 498 Secondary Content Area Reading [4]	3	EDSEC 456 Sec Math Capstone Seminar [5]	<u>3</u>
EDSEC 426 Teaching Secondary mathematics [4]	3		12
MTHSC 453 Advanced Calculus I	3		
MTHSC 400 Theory of Probability or	3		
MTHSC 405 Stat. Theory & Methods II			
ENGL 314 Technical Writing	<u>3</u>		
	16		

TOTAL HOURS – 122

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- [1] See General Education Requirements
 [2] ENGL 212, 213, 214, or 215
 [3] Select from courses in ASTR, BIOL, BIOSC, CH, GEOL, PHYS
 [4] ED F 425, EDSEC 426, and READ 498 must be taken concurrently. **Offered fall semester only.**
 [5] EDSEC 446 and 456 must be taken concurrently. **Offered spring semester only.**