

**CLEMSON UNIVERSITY
SECONDARY EDUCATION
TEACHING AREA: MATHEMATICS
BACHELOR OF ARTS**

CURRICULUM PLAN 2006-2007

FRESHMAN YEAR

<u>Fall Semester</u>		<u>Spring Semester</u>	
ED 105 Orientation to Education	1	Cross-Cultural Awareness Requirement [2]	3
ENGL 103 Accelerated Composition	3	MTHSC 108 Calculus of One Variable II	4
MTHSC 106 Calculus of One Variable I	4	MTHSC 129 Problem Solving in Discrete Math.	3
Foreign Language Requirement [1]	3	PHIL 102 Introduction to Logic	3
Natural Science Requirement [2]	<u>4</u>	Foreign Language Requirement [1]	<u>3</u>
	15		16

SOPHOMORE YEAR

<u>Fall Semester</u>		<u>Spring Semester</u>	
ECON 200 Economic Concepts OR	3	ED F 302 Educational Psychology	3
ECON 211 Prin of Microeconomics		ED F 315 (THRD) Tech. Skills for Learning	1
HIST 102 History of the United States	3	MTHSC 208 Intro. to Ordinary Diff. Equations	3
MTHSC 206 Calculus of Several Variables	4	MTHSC 311 Linear Algebra	3
MTHSC 250 Intro. to Mathematical Sciences	1	Arts and Humanities (Literature) Requirement [4]	3
PHYS 122 Physics with Calculus I	3	Science and Tech. in Society Requirement [2]	<u>3</u>
PHYS 124 Physics Lab. I	1		17
Computer Science Requirement [3]	<u>3</u>		
	18		

JUNIOR YEAR

<u>Fall Semester</u>		<u>Spring Semester</u>	
COMM 250 Public Speaking	3	ED F 335 Adolescent Growth and Development	3
ED F 301 Principles of American Education	3	ED SP 370 Introduction to Special Education	3
ENGL 314 Technical Writing	3	EDSEC 437 Technology in Secondary Mathematics	3
MTHSC 302 Statistics for Science & Engr.	3	MTHSC 408 Topics in Geometry	3
MTHSC 308 College Geometry	<u>3</u>	MTHSC 412 Introduction to Modern Algebra	<u>3</u>
	15		15

SENIOR YEAR

<u>Fall Semester</u>		<u>Spring Semester</u>	
ED F 425 Instructional Technology Strategies [5]	1	EDSEC 446 Teaching Intern. in Sec. Math. [6]	9
READ 498 Secondary Content Area Reading [5]	3	EDSEC 456 Sec. Math. Capstone Seminar [6]	<u>3</u>
EDSEC 426 Teaching Secondary Mathematics [5]	3		12
MTHSC 453 Advanced Calculus I	3		
MTHSC 400 Theory of Probability	3		
Elective	<u>3</u>		
	16		

TOTAL HOURS – 124

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- [1] Two semesters (through 202) in any modern foreign language or American Sign Language are required.
 [2] See General Education Requirements.
 [3] CP SC 101, 111, or 120
 [4] ENGL 212, 213, 214, or 215
 [5] ED F 425, EDSEC 426, and READ 498 must be taken concurrently prior to directed teaching. **Offered fall semester only.**
 [6] EDSEC 446 and 456 must be taken concurrently. **Offered spring semester only.**