

**CLEMSON UNIVERSITY**  
**TEACHING AREA: BIOLOGICAL SCIENCES**  
**BACHELOR OF SCIENCE**

**CURRICULUM PLAN 2005-2006**

**FRESHMAN YEAR**

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL 110 Principles of Biology I	5	BIOL 111 Principles of Biology II	5
CH 101 General Chemistry	4	CH 102 General Chemistry	4
COMM 150 Intro to Human Communication	3	ED 105 Orientation to Education	
1			
MTHSC 106 Calculus of One Variable I	<u>4</u>	ENGL 103 Accelerated Composition	3
	16	EX ST 301 Introductory Statistics	<u>3</u>
			16

**SOPHOMORE YEAR**

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOSC 222 Human Anatomy & Physiology I	4	BIOSC 223 Human Anatomy & Physiology II	4
CH 201 Survey of Organic Chemistry	4	BIOCH 301 Molecular Biochemistry	3
PHYS 207 General Physics I	3	BIOCH 302 Molecular Biochemistry Lab	1
PHYS 209 General Physics I Lab	1	ED F 301 Principles of American Education	3
Arts and Humanities (Literature) Requirement [1]	<u>3</u>	PHYS 208 General Physics II	3
	15	PHYS 210 General Physics II Lab.	1
		ED F (THRD) 315 Tech. Skills for Learning	<u>1</u>
			16

**JUNIOR YEAR**

<u>Fall Semester</u>		<u>Spring Semester</u>	
ED F 302 Educational Psychology	3	BIOSC 335 Evolutionary Biology	3
GEN 302 Molecular & General Genetics	3	ED F 335 Adolescent Growth & Development	3
GEN 303 Molecular & Gen. Genetics Lab	1	ENGL 314 Technical Writing	3
Ecology Requirement [2]	3	HIST 122 History, Technology, and Society	3
Plant Diversity Requirements [3]	<u>4</u>	Animal Diversity Requirement [4]	<u>4</u>
	14		16

**SENIOR YEAR**

<u>Fall Semester</u>		<u>Spring Semester</u>	
EDSEC 427 Teaching Secondary Science [5]	3	EDSEC 447 Teach Internship in Sec Sci [7]	9
READ 498 Secondary Content Area Reading [5]	3	EDSEC 457 Sec Science Capstone Sem [7]	<u>3</u>
ED F 425 Instructional Technology Strategies [5]	1		12
ED SP 370 Introduction to Special Education	3		
PHIL 325 Philosophy of Science	3		
Social Science Requirement [6]	<u>3</u>		
	16		
		<b>TOTAL HOURS – 121</b>	

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- [1] ENGL 212, 213, 214, or 215  
 [2] BIOSC 410, 441, 443, or 446  
 [3] BIOSC 304 and 308; or 305 and 309  
 [4] BIOSC 303 and 307; or 302 and 306  
 [5] To be taken immediately prior to EDSEC 447 and 457; **offered fall semester only**  
 [6] AAS 301, ANTH 201, GEOG 103, HIST 172, 173, 193, POSC 102 or 104  
 [7] EDSEC 447 and 457 must be taken concurrently. **Offered spring semester only.**