

# Recommended Course of Study

Secondary Teacher Certification Program

Biology/Science Education

2016 - 2017

(Traditional Undergraduate)

	FALL SEMESTER	SPRING SEMESTER
<b>FRESHMAN</b>	CHEM1210 Chemistry I CHEM1215 Chemistry I Lab EDUC2000* Schools and Society FYSP 1000 First Year Experience <b>Core:</b> BIOL1310 Principles of Biology I <b>Core:</b> BIOL1315 Principles of Biology I Lab <b>Core:</b> COSK1220 <u>OR</u> COSK2221 <b>Core:</b> ELIT1040 Reading Lit.: Coming of Age  <b>18 credits Obtain 3 Required Clearances</b>	BIOL2310 Principles of Biology II BIOL2315 Principles of Biology II Lab CHEM2210 Chemistry II CHEM2215 Chemistry II Lab EDUC2100* Educational Psychology & Classroom Mgmt. <b>Core:</b> MATH2070: Calculus with Analytic Geometry I <b>Core:</b> PSYC1010: General Psychology  <b>18 credits Take and Pass PAPA Exam</b>
<b>SOPHOMORE</b>	BIOL2370 Microbiology BIOL2380 Microbiology Lab BIOL2470 Botany BIOL2480 Botany Lab ENVS2500 Ecology ENVS2550 Ecology Lab <b>Core:</b> COSK1221 Argument and Research  <b>15 credits</b>	EDUC2200 Technology for Teachers BIOL3370 Cell/Molecular Biology BIOL3375 Cell/Molecular Biology Lab BIOL2570 Zoology BIOL2580 Zoology Lab STAT2110 Statistics <b>Core:</b> COSK2220 Public Speaking & Persuasion  <b>17 credits Apply for Candidacy Status</b>
Candidacy status required in order to proceed with EDUC courses.... <b>JUNIOR</b>	EDUC3400* Curriculum Instruction Design BIOL3470 Human Genetics BIOL3475 Human Genetics Lab BIOL3570 Comparative Vertebrate Anatomy BIOL3580 Comparative Vertebrate Anatomy Lab SPED3010* Intro. to Special Ed. PreK-12 <b>Core:</b> COSK2230 Professional Communications  <b>17 credits</b>	EDUC3600* Educational Assessment BIOL3670 Comparative Vertebrate Physiology BIOL3680 Comparative Vertebrate Physiology Lab PHYS1010 Physics for Allied Health PHYS1015 Physics for Allied Health Lab SPED3020* Teaching in Inclusive Classrooms PreK-12 <b>Core:</b> ECON1010 Survey of Economics  <b>17 credits Apply for Pre-Student Teaching</b>
<b>SENIOR</b>	EDUC3165 Teaching English Language Learners EDUC4140* Content Specific Pedagogy: Biology (( <b>with</b> Co-requisite EDUC0440 - 0 credits) <b>Core:</b> HUMA1010 Humanities: Arts & Music <b>Core:</b> SOCI Requirement <b>Core:</b> HIST or POLS Requirement Elective Recommended  <b>15 credits Take and Pass Praxis II Exam Apply for Student Teaching</b>	EDUC4200 Student Teaching Seminar EDUC4540 Student Teaching Internship: Biology  <b>12 credits Apply for Graduation &amp; PDE Certification</b>

C= must be admitted to Candidacy to take this course

\* = EDUC co-requisite required for this course

**129 Total Credits**

Draft Updated 8/2016