

COLLEGE OF SCIENCE – ECOLOGY & EVOLUTIONARY BIOLOGY MAJOR

A minimum of 40 CREDITS must be earned from within BSC; Independent study BSC 485 – 488 does **NOT** count toward this requirement. BSC 227, 228 & 250 do **NOT** count toward this major. **Course offerings are subject to change semesters. Consult each semester's schedule of courses for availability.**

A 2.0 GPA in your major is required for graduation.

COMPLETED MAJOR SPECIFIC REQUIREMENTS

<i>Required Courses</i>	<i>Sem</i>	<i>Hrs</i>	<i>Grade</i>	<i>Required Courses</i>	<i>Sem</i>	<i>Hrs</i>	<i>Grade</i>
BSC 120 Principles I	F&S	4	_____	BSC 320 Ecology	F&S	4	_____
BSC 121 Principles II	All	4	_____	BSC 491 Capstone	All	2	_____

Total 14 Hour.

Choose 2 from the 3 Required Core Courses listed – One of these core courses is a pre-req for Required by Major Courses and Required by Major Electives listed below.

BSC 302 Prin. Micro	F&S	3	_____	BSC 322 Cell	All	4	_____	BSC 324 Genetics	All	4	_____
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Required by Major Courses

BSC 413 Org Evolution	F	3	_____	BSC 417 Biostats	F&S	3	_____	BSC 425 Biosys	F	3	_____
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Total 30 – 31 Hour.

Required by Major Electives – Choose 9 – 10 hours

BSC 312 Invert Zoology	F	4	_____	BSC 416 Plant Taxonomy	F	4	_____
BSC 304 Micro Lab	F&S	2	_____	BSC 420 Plant Physiology	S	4	_____
BSC 310 Comp Verb Ant	S	4	_____	BSC 422 Animal Phys.	F&S	4	_____
**BSC/CHM 365 Biochem	F	3	_____	**Pre-reqs are BSC 121 with a C or better AND CHM 356			
BSC 401 Ichthyology	F	4	_____	BSC 424 Animal Para.	S	4	_____
BSC 405 Econ Botany	S	3	_____	BSC 430 Plant Ecology	S	4	_____
BSC 406 Herpetology	F	4	_____	BSC 431 Limnology	F	4	_____
BSC 408 Ornithology	S	4	_____	BSC 445 Microbial Ecology	S	3	_____
BSC 409 Mammalogy	F	4	_____	BSC 446 Microbial Eco. Lab	S	2	_____
BSC 410 Remote Sensing	F	4	_____	BSC 460 Conservation Soil	F&S	3	_____
BSC 411 Dig Image Pros	S	4	_____	BSC 481 DNA Cloning	S	2	_____
Special Topics Permission	_____	_____	_____	Total Major Elective Hours _____			

Total Biology Degree Hours must be at least 40 Hour.

COMPLETED – CHEMISTRY (Completion with a C average of the listed Chemistry courses provides a minor.)

CHM 211 Chem I (Pre-reqs: ACT 23 or higher OR CHM 111 with C or better) & 217, Lab	3, 2	_____	_____
CHM 212 Chem II (Pre-reqs: C or better in CHM 211) & 218, Lab	3, 2	_____	_____
CHM 355 Organic I (Pre-reqs: C or better in CHM 212)	3	_____	_____
CHM 356 Organic II (Pre-reqs: C or better in CHM 355)	3	_____	_____
CHM 361 Organic Lab	3	_____	_____

COMPLETED – PHYSICS (Pre-reqs. ACT MTH 27 or higher, MTH 229, 132, **OR** 127/130/140 **AND** 122)

PHY 201 & 202, Gen Physics I & Lab	3, 1	_____	_____	PHY 203& 204 Gen Physics II & Lab	3, 1	_____	_____
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COMPLETED – MATHEMATICS (Depends on ACT/SAT math scores)

MTH 229 Calculus I * #	5	_____	OR	MTH 132 Pre-Calculus #	5	_____
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OR TWO of the following:

MTH 127/130 Algebra #	5/3	_____	MTH 122 Trig #	3	_____
MTH 140 Applied Calculus * #	3	_____	MTH 225 Statistics	3	_____

*Calculus is a COS Specific Requirement.

#MTH 229, 132, **OR** 127/130/140 **AND** 122 is prerequisite(s) for PHY 201.