



# Bachelor of Science BIOLOGY: Ecology, Evolution and Organismal Biology Emphasis

**Advisement Form 2008-2009**

Name \_\_\_\_\_ ID \_\_\_\_\_

Lower Division Major Requirements (8 units)	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
BIOL 200 Principles of Organismal and Population Biology	4						GE: B2
BIOL 201 Principles of Cell and Molecular Biology <i>Must receive a C or better</i>	4						Prereq: CHEM 105 or 121; GE: B2
<b>Required Supporting Courses (21 units)</b>							
<i>An organic chemistry equivalent course taken at a community college may be accepted for the Biology major in lieu of CHEM 311.</i>							
CHEM 121 General Chemistry I <i>Must receive a C or better</i>	4						Prereq: 1 year high school chemistry or CHEM 105; GE: B1
CHEM 122 General Chemistry II <i>Must receive a C or better</i>	4						Prereq: CHEM 121; GE: B1
CHEM 311 Organic Chemistry <i>Must receive a C or better</i>	3						Prereq: CHEM 122 with a C or better
GEOL 122 Historical Geology	3						GE: B1
BIOL 203 Quantitative Methods for Biology	3						Prereq: A passing score on the ELM or MATH 105 or equivalent; GE: B3, B4
MATH 150 Calculus I	4						Prereq: A passing score on the Calculus Placement Exam or MATH 105; GE: B3
<b>Upper Division Requirements in the major (42-44 units)</b>							
<b>Required Core Courses (26 units)</b>							
BIOL 301 Microbiology	4						Prereq: BIOL 201 with a C or better and CHEM 122
BIOL 302 Genetics	4						Prereq: BIOL 201 with a C or better and CHEM 122
BIOL 303 Evolutionary Biology	3						Prereq: BIOL 200, 201
BIOL 311 Plant Biology and Ecology	4						
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, INTD
BIOL 499 Senior Capstone in Biology	3						Prereq: Consent of instructor
<i>Select <u>one</u> of the following:</i>							
BIOL 310 Vertebrate Biology	4						Prereq: BIOL 200
BIOL 316 Invertebrate Zoology	4						Prereq: BIOL 200
<b>Ecology/Evolution (6-7 units) Select <u>two</u> courses from the following list:</b>							
BIOL/ESRM 313 Conservation Biology	4						Prereq: BIOL 200
BIOL 406 Evolutionary Biogeography	3						Prereq: BIOL 303
BIOL 407 Behavioral Ecology	3						Prereq: BIOL 200
ESRM 352 Theory and Practice of Ecological Restoration	3						
<b>Organismal Biology (4 units) Select <u>one</u> course from the following list:</b>							
BIOL 310 Vertebrate Biology <i>(if not taken as part of a core)</i>	4						Prereq: BIOL 200
BIOL 312 Marine Biology	4						Prereq: BIOL 200
BIOL 316 Invertebrate Zoology <i>(if not taken as part of a core)</i>	4						Prereq: BIOL 200

