GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2016-2017

DEGREE: BACHELOR OF SCIENCE
MAJOR: ECOLOGY & EVOLUTIONARY BIOLOGY

MINIMUM CUMULATIVE GRADE POINT AVERAGE: 2.0
MINIMUM MAJOR GRADE POINT AVERAGE: 2.0

TOTAL CREDITS: 120

<table>
<thead>
<tr>
<th>CORE CURRICULUM REQUIREMENTS</th>
<th>MAJOR REQUIREMENTS</th>
<th>66-73 CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area</strong></td>
<td><strong>Ecology &amp; Evolutionary Biology Required Courses</strong></td>
<td></td>
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<tr>
<td>First Year Writing</td>
<td>EBI0 1010, 1015</td>
<td>EBI0 2020</td>
</tr>
<tr>
<td>TIDES – 1 course in fall semester</td>
<td>EBI0 2070, 2071</td>
<td>EBI0 2070, 2071</td>
</tr>
<tr>
<td>Foreign Language – Competence at 1020-Level</td>
<td>EBI0 3040, 3045</td>
<td>EBI0 3080</td>
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<tr>
<td>(1-2 courses depending on placement and language)</td>
<td>CELL 1010</td>
<td></td>
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<tr>
<td>Cultural Knowledge – 1 Humanities</td>
<td>Courses designated Humanities and Fine Arts</td>
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<tr>
<td>Cultural Knowledge – 1 Fine Arts</td>
<td>Courses designated Social Science</td>
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<tr>
<td>Quantitative Reasoning 2 Math courses</td>
<td>MATH 1210 or equivalent and 1220 or 1230</td>
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<tr>
<td>Scientific Inquiry – 1 Lab Science 1 Science or Math</td>
<td>Courses from departments designated Science and Math</td>
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<tr>
<td>Writing Intensive</td>
<td>Consult Major</td>
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<tr>
<td>Public Service – 1st Tier</td>
<td>1000-3000-Level</td>
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<tr>
<td>2nd Tier</td>
<td>3000-Level or above</td>
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<tr>
<td>Western Traditions</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
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<tr>
<td>Outside Western Traditions</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
<td></td>
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<tr>
<td>Or Comparative Cultures</td>
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<tr>
<td>Intl. Perspectives</td>
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This information is for students pursuing a minor in Marine Biology – REQUIREMENTS:

Marine Biology Minor for EEB majors
- EBI0 2100, EBI0 2230, EBI0 4250
- Two approved summer courses at an approved marine field station (no less than 6 credits)

Marine Biology Minor for Non-EEB majors: 24-26 Credit Hours
- CELL 1010
- EBI0 1010/1015, EBI0 2100,
- EBI0 3040
- EBI0 4250 or EBI0 2230
- One lecture or lab/field elective course for 3-4 credits
- One approved summer course at an approved marine field station (no less than 3 credits)

To complete the required 120 hours, you may choose to take additional courses:

1. In your major
2. Of interest to you
3. To satisfy another major (32 hours)
4. To satisfy another minor (16 hours)

The Degree Plan and other information provided in this booklet serve only as advising tools. Newcomb-Tulane College advisors will help advise you on the core curriculum, decide on a major, and consult on any academic success issues.

- Your major advisors will advise you on major requirements.
- Students with multiple majors will have more than one advisor and will need to consult with the appropriate advisor.
- Minors are not assigned an advisor, but a faculty member in the department is designated to advise minors.
- Become familiar with your major! By declaring early, you have access to a major advisor, you are able to enroll in “majors only” classes, and you are included in listservs that allow you to receive information about events, internships, and other opportunities.
- Pre-med and Pre-law students should also consult with one of the Pre-Professional Advisors.
What Can I Do with a Major in...
Ecology Evolutionary Biology

GENERAL INFORMATION
• Gain relevant work experience through internships, part-time jobs, or volunteer positions. The Student Conservation Association and federal government are excellent resources to learn about opportunities.
• Develop strong computer, mathematics and communication skills.
• Join professional organizations to stay abreast of current issues in your field(s) of interest and to develop networking contacts.
• Read publications in your areas of interest.
• If you are interested in attending graduate or professional school, become familiar with admission requirements and maintain a high GPA.
• Seek out Research Experiences for Undergraduates (REUs) through the National Science Foundation.

SKILLS
• Ability to operate scientific equipment
• Good interpersonal, written, and verbal communication skills
• Attention to detail
• Critical thinking and problem solving skills
• Gathering information, conducting research and laboratory experimentation
• Analyzing and evaluating data, writing and preparing reports
• Capacity to calculate, compute and apply formulas
• Ability to develop ideas and problem-solve
• Ability to coordinate work with others
• Ability to conduct research and organize
• Capacity to interpret technical/scientific data
• Able to learn laboratory procedures rapidly

CAREER AREAS

ORGANISMAL BIOLOGY
• Botany and plant sciences
• Ecology and wildlife
• Marine and aquatic
• Systematic (taxonomy)
• Zoology
• Entomology
• Genetics
• Microbiology

EMPLOYERS
• Colleges and universities
• Veterinary hospitals
• State and federal government
• Independent laboratories: food production, textiles, chemical, pharmaceutical, forest products
• Zoos and aquariums
• Wildlife preserves and conservation organizations
• Botanical gardens and arboretums
• Museums
• Inspection agencies
• Agriculture experiment stations
• National and international environmental organizations

TECHNICAL AND PHARMACEUTICAL SALES
• Sales
• Sales support

EMPLOYERS
• Pharmaceutical companies
• Laboratory equipment manufacturers
• Medical supply companies

BIOMEDICAL
• Physiology
• Biophysics
• Biochemistry
• Pharmacology
• Immunology
• Pathology
• Research and development
• Education
• Quality control

EMPLOYERS
• Colleges and universities
• Professional schools
• Clinics and hospitals
• Private research foundations
• Pharmaceutical and biotechnology companies
• Federal laboratories and regulatory agencies
• Independent laboratories
• Public health departments
• Industries including chemical, petroleum, food, cosmetic & agriculture

If you think you might be interested in this major, but you are not absolutely sure, an exploratory advisor can help you explore major and career options, please go to:

If you are interested in information about Law Professions, please go to:

If you are interested in information about Health Professions, please go to:
## What Can I Do with a Major in...  
Ecology  Evolutionary Biology

### EDUCATION
- Teaching
- Specialty training

### HEALTHCARE
- Medicine
- Dentistry
- Optometry
- Chiropractics
- Pharmacy
- Veterinary Medicine
- Allied Health
- Physical Therapy

### PROFESSIONAL ORGANIZATIONS

<table>
<thead>
<tr>
<th>Organization</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIBS: American Institute of Biological Sciences</td>
<td><a href="http://www.aibs.org">www.aibs.org</a></td>
</tr>
<tr>
<td>AAAS: American Association for the Advancement of Science</td>
<td><a href="http://www.aaas.org">www.aaas.org</a></td>
</tr>
<tr>
<td>Ecological Society of America</td>
<td><a href="http://www.esa.org">www.esa.org</a></td>
</tr>
<tr>
<td>Marine Conservation Biology Institute</td>
<td><a href="http://www.mcbi.org">www.mcbi.org</a></td>
</tr>
<tr>
<td>Society for Developmental Biology</td>
<td><a href="http://www.sdbonline.org">www.sdbonline.org</a></td>
</tr>
<tr>
<td>Human Biology Association</td>
<td><a href="http://www.humbio.org">www.humbio.org</a></td>
</tr>
<tr>
<td>Association of Zoos and Aquariums</td>
<td><a href="http://www.aza.org">www.aza.org</a></td>
</tr>
<tr>
<td>Society for Conservation Biology</td>
<td><a href="http://www.conbio.org">www.conbio.org</a></td>
</tr>
<tr>
<td>The Wildlife Society</td>
<td><a href="http://www.wildlife.org">www.wildlife.org</a></td>
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<tr>
<td>National Academy of Science</td>
<td><a href="http://www.nas.edu">www.nas.edu</a></td>
</tr>
</tbody>
</table>

### RELATED WEBSITES & ASSOCIATIONS

<table>
<thead>
<tr>
<th>Organization</th>
<th>Website</th>
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<tbody>
<tr>
<td>Environmental Career Opportunities</td>
<td><a href="http://www.ecojobs.com">www.ecojobs.com</a></td>
</tr>
<tr>
<td>E Jobs: Environmental Jobs and Careers</td>
<td><a href="http://www.ejobs.org">www.ejobs.org</a></td>
</tr>
<tr>
<td>The Environmental Careers Organization</td>
<td><a href="http://www.eco.org">www.eco.org</a></td>
</tr>
<tr>
<td>Science Jobs</td>
<td><a href="http://www.sciencejobs.com">www.sciencejobs.com</a></td>
</tr>
<tr>
<td>USAJobs</td>
<td><a href="http://www.usajobs.gov">www.usajobs.gov</a></td>
</tr>
<tr>
<td>Student Conservation Association</td>
<td>[<a href="http://www.the">www.the</a> sca.org](<a href="http://www.the">http://www.the</a> sca.org)</td>
</tr>
<tr>
<td>Nature Career Resources</td>
<td><a href="http://www.nature.com">www.nature.com</a></td>
</tr>
<tr>
<td>The Scientist</td>
<td><a href="http://www.the-scientist.com">www.the-scientist.com</a></td>
</tr>
<tr>
<td>Careers in Science and Engineering</td>
<td><a href="http://www.nap.edu/readingroom/books/careers">www.nap.edu/readingroom/books/careers</a></td>
</tr>
<tr>
<td>Guide to Graduate Education in Science, Engineering &amp; Public Policy</td>
<td><a href="http://www.aaas.org/spp/sepp/index.htm">www.aaas.org/spp/sepp/index.htm</a></td>
</tr>
<tr>
<td>ScienceCareers.org</td>
<td><a href="http://sciencecareers.sciencemag.org">http://sciencecareers.sciencemag.org</a></td>
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</table>

### EDUCATION
- Colleges and universities
- Elementary and secondary schools, public and private
- Museums
- Zoos
- Nature centers and parks

### HEALTHCARE
- Hospitals and medical centers
- Nursing homes
- Private practice
- Government agencies
- Armed forces
- Home health providers
- Nonprofit organizations

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For Jobs, internships, resume assistance, interviews, and self-assessments, please go to: [HIRE TULANE GRADS.com](http://HIRE TULANE GRADS.com)

Tulane University is committed to your academic success and provide several services to assist.