

## ***The EEB Major as a Pre-Professional Major***

Our Department prides itself in the excellence of its undergraduate teaching. The EEB curriculum furnishes a solid foundation of five core courses, including evolution and general ecology, on which the student builds from a variety of courses to satisfy special interests, in exciting and motivating courses such as marine biology, tropical ecology, and restoration biology. Moreover, the EEB major provides an excellent foundation for graduate school, and *satisfies virtually all the requirements for medical, veterinary and dental schools*, while allowing students to pursue their own special interests. Many of our majors have gone on for advanced study at major universities and medical schools throughout the United States.

By virtue of a smaller, more intimate department, students have excellent opportunities to interact with the faculty on a one-on-one basis in independent studies, special projects, internships, and senior honors theses, involving laboratory and/or field projects, according to student's interests. EEB majors have the opportunity to acquire both laboratory and field experience in biology by conducting research projects under the direction of an EEB faculty member or by working on a project with an EEB faculty member or with faculty at the Tulane Medical School. These one-on-one interactions provide both valuable research opportunities, which are looked on favorably by medical, dental, veterinary and law schools, as well as the chance to develop a more personal relationship with faculty who can be invaluable in writing post-graduate recommendations.

As a pre-professional option, the EEB major not only satisfies virtually all requirements for medical and dental schools but also provides flexibility in major elective courses, allowing one course from outside the department to count as an elective in the major course of study (exclusive of CELL 101 and CELL 205, which are required for the major). This option gives students the freedom to pursue a double major, such as Anthropology, Biochemistry, or Chemistry to name just a few, or a coordinate major, such as Environmental Studies. With courses emphasizing both written (e.g., "Darwin and Darwinism" and "Experimental Animal Behavior") and oral communication skills as well as quantitative analysis and logical reasoning (e.g., General Ecology, Population Biology), EEB majors are specially suited not only for medical school, but also for law school, in particular for studies in environmental law and policy. Additional preparation for such a route into environmental law can be found in courses such as Conservation Biology (EBIO 206) and Restoration Biology (EBIO 607).

The following pages outline the courses required for both the EEB major and for medical school. In addition, a list of courses outside the Department that are allowed for EEB elective credit (maximum of one) is included, as is a small sampling of courses that might be of special interest to pre-medical students.

### ***Selected EEB courses of special interest to pre-medical students:***

EBIO 201 - Evolution in Human Health and Disease

EBIO 333 - Human Physiology

EBIO 368 - Comparative Animal Behavior

EBIO 369 - Experimental Animal Behavior

EBIO 421 - Vertebrate Morphology

EBIO 453 - Comparative Animal Physiology

Each of the courses listed above count toward the EEB major as electives. EBIO 369 and 421 count as laboratory/field electives, and EBIO 368, 369, 421 and 453 may be of special interest to students interested in pursuing veterinary school.

### ***Pre-Medical (Pre-Health) Courses & EEB***

<b><i>Required Courses for Medical School</i></b>	<b><i>Possible Tulane Equivalents</i></b>	<b><i>Required for EEB Major?</i></b>
<b>Biology, two semesters with labs</b>	EBIO 101/111 EBIO 404	EBIO 101/111 - <i>yes</i> EBIO 404 - <i>yes</i>
<b>General Chemistry, two semesters with labs</b>	CHEM 107/117 CHEM 108/118 (Or Honors CHEM 109/111 and CHEM 110/112)	CHEM 107/117 - <i>yes</i> CHEM 108/118 - <i>yes</i> (or Honors)
<b>Organic Chemistry, two semesters with labs</b>	CHEM 241/243 CHEM 242/244 (Or honors CHEM 245/247 and CHEM 246/248)	CHEM 241/243 - <i>yes</i> CHEM 242/244 - <i>yes</i> (or Honors)
<b>Physics, two semesters with labs</b>	PHYS 121 and PHYS 122 (non-calculus) (or PHYS 131 and PHYS 132 (calculus))	PHYS 121, 122 - <b><i>highly recommended</i></b> (or PHYS 131, 132)
<b>Mathematics</b> ( <i>Requirements vary</i> )	<i>Two semesters required for B.S. degree</i>	<i>yes</i>
<b>Biochemistry</b> ( <i>Highly Recommended</i> )	CHEM 383/385, Intro to Biochem (w/ Lab)	CHEM 383/385 - <b><i>can count as elective credit*</i></b>
<b>Texas Schools Require Additional Biology Course Work</b>	EEB core courses and electives	<i>yes</i>

### ***Online Job Sources for EEB Graduates***

There are a variety of online resources available for job-searches in environmental, ecological and other biology fields. These include:

- ☞ CSU's College of Natural Resources: [www.cnr.colostate.edu/careers](http://www.cnr.colostate.edu/careers)
- ☞ Ubiquity Environmental Careers: [www.ag.ohio-state.edu/~envjobs](http://www.ag.ohio-state.edu/~envjobs).
- ☞ Africa Job Bulletin:  
[www.sas.upenn.edu/African\\_Studies/Home\\_Page/menu\\_job\\_srch.html](http://www.sas.upenn.edu/African_Studies/Home_Page/menu_job_srch.html)
- ☞ Environmental Careers World: [www.environmental-jobs.com](http://www.environmental-jobs.com)
- ☞ Boston's Environmental Careers Organization: [www.eco.org](http://www.eco.org)
- ☞ Colorado Association of Non-Profit Organizations: [www.canpo.org/infosvc/job.htm](http://www.canpo.org/infosvc/job.htm)
- ☞ JOBWEB's Employer Search: <http://www.jobweb.com/employ/fairs/default.asp/>
- ☞ Science's Job Listings: <http://recruit.sciencemag.org/>
- ☞ The Chronicle of Higher Education's Job links: <http://chronicle.com/jobs/>
- ☞ Yahoo's Biology employment list:  
[http://dir.yahoo.com/Science/Biology/Job\\_and\\_Employment\\_Resources/](http://dir.yahoo.com/Science/Biology/Job_and_Employment_Resources/)
- ☞ Nature's Job Listings: [www.nature.com/jobs/index.html](http://www.nature.com/jobs/index.html)

For personalized assistance in locating opportunities in your field of study, go to Tulane's Career Services Center, located in the basement University Center, room 73. For more information, call 865-5107 or visit their website: [www.careers.tulane.edu](http://www.careers.tulane.edu).