GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2017-2018

DEGREE: BACHELOR OF SCIENCE

MAJOR: ENVIRONMENTAL EARTH SCIENCE

MINIMUM CUMULATIVE GRADE POINT AVERAGE: 2.0

MINIMUM MAJOR GRADE POINT AVERAGE: 2.0

<table>
<thead>
<tr>
<th>Area</th>
<th>Credits</th>
<th>To Be Selected From</th>
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<tbody>
<tr>
<td>First Year Writing</td>
<td>4</td>
<td>ENGL 1010 or Equivalent</td>
</tr>
<tr>
<td>TIDES – 1 course in fall semester</td>
<td>1-1.5</td>
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<tr>
<td>Foreign Language – Competence at 1020-Level(1-2 courses depending on placement and language)</td>
<td>3-8</td>
<td>Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian, or Spanish</td>
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<tr>
<td>Cultural Knowledge – 1 Humanities</td>
<td>6</td>
<td>Courses designated Humanities and Fine Arts</td>
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<tr>
<td>Cultural Knowledge – 1 Fine Arts</td>
<td>6</td>
<td>Courses designated Social Science</td>
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<tr>
<td>Quantitative Reasoning – 2 Math courses</td>
<td>8</td>
<td>MATH 1210 or equivalent and 1220</td>
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<tr>
<td>Scientific Inquiry – 1 Lab Science</td>
<td>4-8</td>
<td>Courses from departments designated Science and Math</td>
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<tr>
<td>Scientific Inquiry – 1 Science or Math</td>
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<tr>
<td>Writing Intensive</td>
<td>4</td>
<td>Consult Major</td>
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<tr>
<td>Public Service – First Tier</td>
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<tr>
<td>Public Service – Second Tier</td>
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<tr>
<td>Western Traditions</td>
<td>3</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
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<tr>
<td>Outside Western Traditions Or Comparative Cultures Intl. Perspectives</td>
<td>3</td>
<td>Refer to Undergraduate Core Curriculum Guide</td>
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</table>

Minor requirements for Environmental Earth Science:

I. Foundational course
   - EENS 1300/1305 - Earth as a Living Planet (lecture and lab)

II. Two courses from:
   - EENS 2070 – Weather & Climate
   - EENS 2080 – Severe Weather
   - EENS 2090 – Surface Water Hydrology
   - EENS 2230 – Oceanography

III. Electives (three courses)
    Any three EENS courses at or above the 3000 level. COLQ 4120 – The Grand Canyon – is also an approved elective.

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 as advisor.
- Become familiar with your major. By declaring early, you have access to a major advisor, are able to enroll in “majors only” classes, and are included in list serves 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...
Environmental Earth Science

GENERAL INFORMATION
- Gaining relevant work experience through internships, part-time jobs, or volunteer positions is critical.
- A bachelor’s degree will qualify you for work as a laboratory assistant, technician, technologist or research assistant in education, industry, government, museums and parks.
- 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 scientific journals 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.
- Attend seminars, conferences and workshops sponsored by professional associations or public interest groups.

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

<table>
<thead>
<tr>
<th>CAREER AREAS</th>
<th>EMPLOYERS</th>
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<tbody>
<tr>
<td>PLANNING</td>
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<tr>
<td>- Air Quality</td>
<td>- Aviation</td>
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<tr>
<td>- Building/Zoning</td>
<td>- Land-Use</td>
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<tr>
<td>- Consulting</td>
<td>- Recreation</td>
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<tr>
<td>- Transportation</td>
<td>- Water Resources</td>
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<tr>
<td>- Hazardous or Solid Waste</td>
<td>- Management</td>
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<tr>
<td>- Air or Water Quality Management</td>
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<tr>
<td>ENVIRONMENTAL EDUCATION OR COMMUNICATION</td>
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<tr>
<td>- Teacher/Professor</td>
<td>- Journalism</td>
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<tr>
<td>- Tourism</td>
<td>- Lobbyist</td>
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<tr>
<td>- Law</td>
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<tr>
<td>SOLID OR HAZARDOUS WASTE MANAGEMENT</td>
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<tr>
<td>- Chemistry</td>
<td>- Hydrology</td>
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<tr>
<td>- Logistics</td>
<td>- Recycling</td>
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<tr>
<td>- Transportation</td>
<td>- Hydrogeology</td>
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<tr>
<td>- Quality Control</td>
<td>- Risk Assessment</td>
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<tr>
<td>- Industrial Hygiene</td>
<td>- Law</td>
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<tr>
<td>- Biology</td>
<td>- Geology</td>
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<tr>
<td>- Public and Environmental Health</td>
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<tr>
<td>- Environmental or Chemical Engineering</td>
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<td>LAND AND WATER CONSERVATION</td>
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<tr>
<td>- Biology</td>
<td>- Ecology</td>
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<tr>
<td>- Planning</td>
<td>- Law</td>
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<tr>
<td>- Geographic Information Systems</td>
<td>- Soil Conservation</td>
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<td>- Preserve Management</td>
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<tr>
<td>- Natural Resource Management</td>
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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: [Explore.Tulane.edu](http://www.Explore.Tulane.edu)

If you are interested in information about Law Professions, please go to: [LawProfessions.Tulane.edu](http://www.LawProfessions.Tulane.edu)

If you are interested in information about Health Professions, please go to: [HealthProfessions.Tulane.edu](http://www.HealthProfessions.Tulane.edu)
What Can I Do with a Major in...
Environmental Earth Science

**AIR OR WATER QUALITY MANAGEMENT**
- Analytical Chemistry
- Meteorology
- Safety & Health Management
- Project Development
- Biology
- Civil/Environmental Engineering
- Drinking Water Treatment/Supply
- Groundwater Protection
- Surface Water Management
- Industrial Engineering
- Law
- Environmental Quality
- Risk Assessment
- Toxicology
- Aquatic Ecology
- Hydrogeology
- Hydrology
- Wastewater Treatment
- Estuary Management
- Wetlands Protection
- Nonprofit groups/organizations
- Treatment plants
- Federal, state, regional, and local government
- US Department of Agriculture
- National & state parks

**FISHERY & WILDLIFE MANAGEMENT**
- Aquaculture
- Data Management
- Hatchery Management
- Ecology
- Research
- Botany
- Biology
- Marine Biology
- Education
- Planning
- Federal, state, regional, and local government
- Bureau of Land Management
- National & state parks

**PARKS AND OUTDOOR RECREATION**
- Law Enforcement
- Research
- Site Operations and Maintenance
- Direct Mail Merchandising
- Natural Resource Management
- Administration and Management
- Recreation Planning
- Ecotourism
- Federal, state, regional, and local government
- Bureau of Land Management
- National & state parks

**FORESTRY**
- Consulting
- Hydrology
- Research
- Urban Forestry
- Natural Resource Management
- Entomology
- Planning
- International Forestry
- Federal, state, regional, and local government
- Bureau of Land Management
- National & state parks

**PROFESSIONAL ORGANIZATIONS**
National Association for Environmental Management  
www.naem.org
National Association for Environmental Professionals  
www.naep.org
National Registry of Environmental Professionals  
www.nrep.org
American Society of Landscape Architects  
www.asla.org
Coalition to Restore Coastal Louisiana  
www.crcl.org
Soil Science Society of America  
www.soils.org
Air & Waste Management Association  
www.awma.org
Ecological Society of America  
www.esa.org
The Environmental Careers Organization  
www.ecco.org
Marine Conservation Biology Institute  
www.mcbi.org
AIBS: American Institute of Biological Sciences  
www.aibs.org
AAAS: American Association for the Advancement of Science  
www.aaas.org
National Academy of Science  
www.nas.edu

**RELATED WEBSITES & ASSOCIATIONS**
US Department of Energy: National Environmental Policy Act  
www.eh.doe.gov/nepa
Environmental Protection Agency  
www.epa.gov
Environmental Career Opportunities  
www.ecojobs.com
Environmental Careers World  
www.environmental-jobs.com
E Jobs: Environmental Jobs and Careers  
www.ejobs.org
Science Jobs  
www.sciencejobs.com
USA Jobs  
www.usajobs.gov
Sustainable Business: Green Dream Jobs  
www.sustainablebusiness.com/jobs
Nature Career Resources  
www.nature.com
Careers in Science and Engineering  
www.nap.edu/readingroom/books/careers
Guide to Graduate Education in Science, Engineering and Public Policy  
www.aaas.org/spp/sepp/index.htm
ScienceCareers.org  
http://sciencecareers.sciencemag.org

For Jobs, internships, resume assistance, interviews, and self-assessments, please go to:

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

![Hire Tulane GRADS.com](https://example.com/hire)
![Tulane.edu](https://example.com/tulane)
![Advising Tulane.edu](https://example.com/advising)