

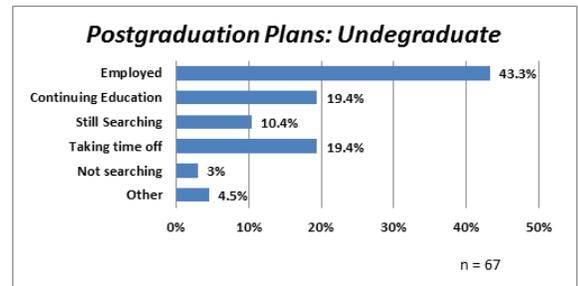
COLUMBIA UNIVERSITY CENTER FOR
Career Education

WHAT CAN YOU DO WITH A DEGREE IN **ENVIRONMENTAL BIOLOGY AND EVOLUTIONARY BIOLOGY OF THE HUMAN SPECIES?**

Where do Environmental Biology and Evolutionary Biology of the Human Species majors go?

According to the Graduating Student Surveys for 2012–2014 (with a 65.0% response rate for undergraduates in the Environmental Biology and Evolutionary Biology of the Human Species major), in the last few years:

- 62.7% of graduates were employed or going to graduate school.
 - 43.3% were employed
 - 19.4% had secure plans to attend grad school



Here are some examples of organizations that have hired Columbia E3B majors in recent years:



What jobs do Environmental Biology and Evolutionary Biology of the Human Species majors do?

A degree in 3B provides knowledge and skills relevant to a wide variety of jobs across the career spectrum, including:

- **Environmental Remediation/Compliance:** Remediation, Liability, Audit, Compliance, Sustainability
- **Waste Management:** Risk Assessment, Quality Control, Logistics, Planning, Recycling, Transportation, Compliance, Environmental Engineering, Public and Environmental Health, Industrial Hygiene
- **Soil Science:** Soil and Water Conservation, Land Use Planning, Waste Disposal, Environmental Compliance, Reclamation of Contaminated Lands, Landfill Operation and Monitoring, Agrichemical Management, Fertilizer Technology, Agricultural Production, Research, Education
- **Air/Water Quality Management:** Testing/Analysis, Watershed Management, Stream Restoration, Sustainable Infrastructure, Risk Assessment, Project Development, Compliance, Permitting, Modeling
- **Planning and Conservation:** Natural Resource Management, Sustainability Management, Water Resources, Aviation Planning, Transportation Planning, Building/Zoning, Land Acquisition, Land Use, Recreation Management, Park/Preserve Management, Mining, Construction

- **Environmental Education and Communication:** Teaching (Elementary, Secondary, Post-Secondary, Non-classroom Education), Technical Writing, Editing, Illustrating, Photography, Public Relations
- **Environmental Law:** Political Action/Lobbying, Regulatory Affairs, Science Policy, Patent Law, Non-profit or Public Interest, Environmental Law, Mediation

Use CCE's [Industry Exploration](#) webpages to learn more about these, and other fields.

What do employers want?

Most of the skills/qualities sought by employers are transferrable and/or soft skills that students can gain through classes, extracurricular activities, internships, volunteer experiences, or part time jobs including:

1. *Ability to work in a team structure*
2. *Ability to make decisions and solve problems*
3. *Ability to verbally communicate with persons inside and outside the organization*
4. *Ability to plan, organize, and prioritize work*
5. *Ability to obtain and process information*
6. *Ability to analyze quantitative data*
7. *Technical knowledge related to the job*
8. *Proficiency with computer software programs*
9. *Ability to create and/or edit written reports*
10. *Ability to sell or influence others*

Source: National Association of Colleges and Employers, 2015 Job Outlook

Your major can definitely demonstrate relevant coursework and knowledge to a prospective employer, but your studies aren't the only aspect of your experience that employers are evaluating. They select people who they believe can do the job (have the right skills), want the job (have demonstrated an interest in the field) and are a personality fit for the team and organization.

What value do Environmental Biology and Evolutionary Biology of the Human Species majors bring?

The E3B curriculum helps you to develop the following skills:

- Interpret and critique scientific text, presentations, and primary literature
- Speculate on meanings of data and on possible future directions
- Relate biology to other disciplines
- Present scientific understanding to both scientific and general audiences
- Speak and write precisely
- Present scientific ideas arguing from evidence
- Design and perform experiments
- Construct mathematical models in order to test scientific hypotheses
- Use a variety of sources to develop questions and hypotheses
- Collect and present data
- Construct, evaluate, and interpret both qualitative and quantitative data

What if I'm an international student?

For international students at Columbia under student visas, selecting your major can play a significant role if you plan to work in the US after completion of your degree. Optional Practical Training is a work authorization that allows an international student to work in a job directly related to the student's major area of study either before or after degree completion. Employer sponsored H1B Visas also have similar strict requirements. Students with more questions about this should visit the International Student & Scholars Office (ISSO) and view CCE's International Students webpage at careereducation.columbia.edu/students/International-Students.