INTRODUCTION TO THE MAJOR

The Ecosystem Management and Forestry (EMF) major focuses on the conservation and restoration of the earth’s natural resources through hands-on study of the ecology, stewardship, and management of forest, woodland, and grassland ecosystems. Students can choose to emphasize in topics such as wildlife biology, water policy, fire science, ecosystem restoration, environmental justice, remote sensing and GIS, and rural sociology.

EMF graduates are well-prepared for graduate schools and careers in environmental consulting, public agencies, non-profit conservation organizations, and private companies.

MAJOR SPECIALIZATIONS

The program offers two specializations. The Forestry specialization provides students with the ecological, quantitative, and social foundation to be leaders in the management of forests and forest resources. Students qualify to take the Registered Professional Forester’s licensing exam in California.

The Natural Resource Management specialization provides students with greater flexibility to explore subjects in ecology, physical environment, monitoring and measurement, and management and policy. Students can concentrate their studies in water management, ecology, climate change, or design their own concentration.

AMPLIFY YOUR MAJOR

- Spend eight weeks with the Sierra Nevada as your classroom in the Forestry Field Camp.
- Spend a semester in the French Polynesian island of Moorea engaging in research.
- Join an undergraduate student group such as Forestry Club.
- Explore research, facilities, and events from Berkeley Forests.

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone’s Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

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CONNECT WITH US

Cal Day
Come to UC Berkeley’s annual Open House in April for information sessions, campus tours, special talks, and more.

Golden Bear Orientation
Join your peers in the campus-wide UC Berkeley orientation program for all new students.

Events
Attend department events with students, faculty, and staff. Visit nature.berkeley.edu for news and updates.

ADVISING

The Undergraduate Advisors for all Rausser College majors are located in the Office of Instruction and Student Affairs in 260 Mulford Hall.

Visit nature.berkeley.edu/advising/meet-rausser-advisors for detailed office hours and appointment booking links. You may email general advising questions to emf.ugrad@berkeley.edu.

ECOSYSTEM MANAGEMENT AND FORESTRY

Bachelor of Science

The EMF major presents a career path for people who recognize the need for ecologically informed, sustainable resource management and want to implement these principles on the ground themselves.

— Kane Russell, EMF Major
### Bachelor of Science in Ecosystem Management and Forestry

**ECOSYSTEM MANAGEMENT AND FORESTRY**

**Design Your Journey**

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<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
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<tr>
<td><strong>Explore your major</strong></td>
<td><strong>Connect and build community</strong></td>
<td><strong>Discover your passions</strong></td>
<td><strong>Engage locally and globally</strong></td>
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<tr>
<td>Meet with your college advisor to discuss your academic plans. Review major and college requirements. Talk to the college's peer advisors about life in the major.</td>
<td>Take advantage of the college's Student Resource Center. Join a student group such as Forestry Club. Consider living in the Global Environment Theme House.</td>
<td>Discover new interests in a Freshman Seminar or student-run DeCal course. Apply for a research position through SPUR. Visit the Office of Undergraduate Research and Scholarships. Learn about research opportunities for Rausser College students.</td>
<td>Attend the Calapalooza student activities fair and get involved with a student organization. Find service opportunities through the Public Service Center. Explore study, internship, and research abroad options with Berkeley Study Abroad.</td>
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<tr>
<td>Complete lower division prerequisites and declare the major. Complement your major with a certificate, course thread, or summer minor. Review college guidelines for study abroad.</td>
<td>Complete division courses.</td>
<td>Focus on upper division courses. Explore approved electives from outside departments for a more interdisciplinary experience, or build an emphasis by taking intern-related classes. Ask your college advisor about the Rausser College Honors Program.</td>
<td>Complete any &quot;bucket list&quot; courses. Finish remaining major, college, and campus requirements.</td>
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<tr>
<td><strong>Reflect and plan your future</strong></td>
<td><strong>WHAT CAN I DO WITH MY MAJOR?</strong></td>
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**WHAT CAN I DO WITH MY MAJOR?**

**Jobs and Employers**

- Asst. Vegetation Ecologist, Great Basin Institute
- Ecological Restoration Intern, GGNRA
- Environmental Planner, Transcon Field Tech., Jefferson Resource Co.
- Forestry Aide, CAL FIRE
- Forestry Tech., Collins Pine Co.
- Forestry Tech., The Foresters Coop
- Forestry Tech., W.M. Beatty & Assoc.
- Guide, Alaska Travel Adventures
- Lab Manager, UC Berkeley
- Research Assoc., UC Natural Reserve Research Tech., US Forest Service

**Graduate Programs**

- Botany & Plant Physiology, Masters Ecology, Masters
- Ecology, PhD
- Forestry, Masters
- Forestry, PhD
- Nat. Resource Management, Masters

**WHAT CAN I DO WITH MY MAJOR?**

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**Berkeley graduates.**

**First Destination Survey** of recent Berkeley graduates.