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.

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 crs.emf.ugrad@berkeley.edu.

HOW TO USE THIS MAP

Visit ue.berkeley.edu/majormaps for the latest version of this major map.

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### DESIGN YOUR JOURNEY

#### FIRST YEAR
- **Explore your major**
  - 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.

- **Connect and build community**
  - 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.

- **Discover your passions**
  - 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.

- **Engage locally and globally**
  - 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.

- **Reflect and plan your future**
  - Visit Berkeley Career Engagement and the Career Counseling Library.
  - Develop a plan for getting career ready.
  - Sign up for Handshake and CareerMail.
  - Check out the Ecosystem Management and Forestry Career Snapshot.
  - Check out the SAF Job Postings.

#### SECOND YEAR
- **Complete lower division prerequisites and declare the major.**
- **Start attending events in the college.**
- **Enroll in a Sophomore Seminar, Big Ideas Course or Discovery Course.**
- **Contribute to community orgs with American Cultures Engaged Scholarship course.**
- **Take advantage of career and pre-health advising for Rausser College students.**
- **Provide internship and attend internship fairs.**

#### THIRD YEAR
- **Focus on upper division courses.**
- **Help other students as a Rausser College Peer Advisor.**
- **Apply for a Rausser College Travel Grant to fund travel for academic conferences or research.**
- **Work on energy and climate change solutions as part of the CITRIS Workforce Innovation Program.**
- **Conduct informational interviews.**
- **Visit Career and graduate school fairs.**

#### FOURTH YEAR
- **Do a degree check to ensure you are on track to graduate.**
- **Join a professional association such as the Society of American Foresters.**
- **Teach your own DeCal course.**
- **Attend a conference such as the American Foresters Conference.**
- **Explore service opportunities after graduation, such as Peace Corps.**
- **Ask professors and graduate student instructors for recommendation letters.**

### 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
  - 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

*Updated: 05.08.24
Examples gathered from the First Destination Survey of recent Berkeley graduates.*