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.

Visit vcue.berkeley.edu/majormap for the latest version of this major map.
### 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 locally and globally**
  - 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.

- **Engage and build community**
  - Attend the Calapalooza student activities fair.
  - Get involved with a student organization.
  - Find service opportunities through the Public Service Center.

- **Reflect and plan your future**
  - Visit the Career Center and Career Counseling Library.
  - Check out the Career Center Yearly Planner.

### SECOND YEAR
- **Explore your major**
  - Complete lower division prerequisites and declare the major.
  - Complement your major with a certificate, course thread, or summer minor.

- **Connect locally and globally**
  - Start attending events in the college.
  - Get to know professors and graduate student instructors during their office hours.
  - Engage with sustainability on campus with Student Environmental Resource Center.

- **Discover your passions**
  - Enroll in a Sophomore Seminar, Big Ideas Course or Discovery Course.
  - Assist faculty and graduate students in their research through URAP or SURF-SMART.
  - Check out research by your peers at a college poster session.

- **Engage and build community**
  - Contribute to community orgs with American Cultures Engaged Scholarship course.
  - Experience life at another UC or college on a visitor and exchange program.

- **Reflect and plan your future**
  - Take advantage of career and pre-health advising for Rausser College students.
  - Explore career fields through the Career Connections Series or a winter externship.

### THIRD YEAR
- **Explore your major**
  - Focus on upper division courses.
  - Explore approved electives from outside departments for a more interdisciplinary experience, or build an emphasis by taking interrelated classes.

- **Connect locally and globally**
  - Help other students as a Rausser College Peer Advisor or Student Ambassador.
  - Seek mentorship from your professors, faculty, and graduate student instructors.

- **Discover your passions**
  - Apply for a Rausser College Travel Grant to fund travel for academic conferences or research.
  - Find research and funding opportunities in the OIRS database, SPUR, or URAP.
  - Explore facilities, and events from Berkeley Forests.

- **Engage and build community**
  - Work on energy and climate change solutions as part of Cal Energy Corps.
  - Experience life at another UC or college on a visitor and exchange program.

- **Reflect and plan your future**
  - Conduct informational interviews.
  - Discuss graduate school options with advisors and professors.

### FOURTH YEAR
- **Explore your major**
  - Do a degree check to ensure you are on track to graduate.
  - Complete any "bucket list" courses.

- **Connect locally and globally**
  - Join a professional association such as the Society of American Foresters.
  - Connect with alumni groups such as California Alumni Foresters.

- **Discover your passions**
  - Teach your own DeCal course.
  - Undertake an optional honors thesis or independent study.

- **Engage and build community**
  - Explore service opportunities after graduation, such as Peace Corps. Teach for America, or U.S. Department of State.

- **Reflect and plan your future**
  - Ask professors and graduate student instructors for recommendation letters.
  - Meet employers at Employer Info Sessions and On-Campus Recruiting.

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