



UNIVERSITY of WASHINGTON COLLEGE of the ENVIRONMENT

School of Environmental and Forest Sciences

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# Masters of Forest Resources (MFR) in Forest Management (SAF-accredited)

## Program Highlights

- In-depth topical study of forest biology, ecology, management, mensuration, policy and administration, production management, and silviculture.
- Professional capstone project prepares graduates for real-life career situations.
- Pacific Northwest forest sites offer unique opportunities for field skill development close to the UW Seattle campus.
- Students can receive an SAF-accredited masters degree in **ONE** year with appropriate academic preparation and prerequisites.

## Recent MFR Capstone projects

- ◆ Creating firesafe forests in the Eastern Cascades
- ◆ Economic and environmental tradeoffs with wildlife from timber management
- ◆ Energy cogeneration as a solution to fossil fuel consumption
- ◆ Fish-Forest interactions and appropriate timber management strategies at the watershed level to enhance riparian habitat conditions
- ◆ Designing and analyzing a monitoring program
- ◆ Assessment of the potential for marketing biomass on a Native American forest
- ◆ Calculation of market potential of thinnings on a Department of Natural Resources forest
- ◆ Development of a recreational use trail
- ◆ Organization and employment of volunteers for forest restoration
- ◆ Development of an Excel calculation algorithm for taxation in small private forests
- ◆ Calculation of the value of visual diversity





**The MFR in Forest Management provides students with training in land management decision making and problem solving, basic skill and knowledge sets, and understanding about the place of professional forestry in society.**

**Our SAF accredited outcomes are as follows:**

- 1. Ensure students have essential knowledge and basic skills required for careers in sustainable forest management. Students will:**
  - 1a. know ecological, biometrical, policy, silvicultural and management skills
  - 1b. use techniques, skills, and modern technology necessary for a modern forest management profession
  - 1c. understand how to design and conduct experiments, and be able to statistically analyze and interpret data
  - 1d. be able to communicate effectively, both oral and written
- 2. Develop students' ability to creatively solve problems and exercise sound professional judgment in complex land management decision-making. Students will:**
  - 2a. pose well-defined, solvable problems from complicated and loosely-defined scenarios similar to those found in forest management
  - 2b. apply biological, managerial, and mensurational principles in open-ended projects, such as the design and implementation of land management plans
  - 2c. generate alternative solutions and designs, and then use sound professional judgment to choose between alternatives in open-ended projects
  - 2d. evaluate and communicate the results of completed tasks in open-ended projects
- 3. Provide students with a broad education that will promote intellectual maturity and allow contributions to society. Students will be able to:**
  - 3a. lead interdisciplinary teams
  - 3b. understand professional and ethical responsibilities
  - 3c. understand the impact of land management decisions and policy in a global and societal context
  - 3d. know contemporary regional, national, and international issues relevant to forest management
  - 3e. value life-long learning as a necessity for continued professional competency

### **Applying to the SEFS Graduate Program**

Admission as a graduate student in Forest Sciences is very competitive. A minimum grade-point average of 3.0 is strongly encouraged. The School requires that all applicants take the General aptitude Graduate Record Examination (GRE). The deadline to apply is December 31st for entrance in the following autumn quarter. Application to the program must be made online through the UW Graduate School website: [www.grad.washington.edu/applForAdmiss/](http://www.grad.washington.edu/applForAdmiss/).

#### **Office of Student and Academic Services**

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