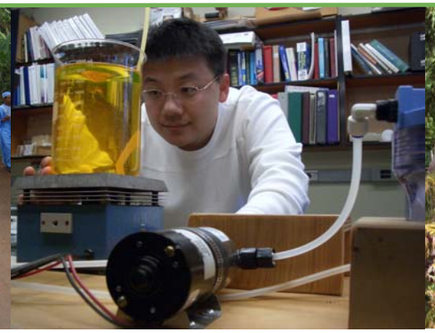




Applying to the SEFS Graduate Program

Admission as a graduate student in the School of Environmental and Forest Sciences is very competitive. Undergraduate GPA, test scores, field and research experience, and preparedness for the program overall are considered for admission. The School requires all applicants to take the General Graduate Record Examination (GRE). The deadline to apply is December 31st for entrance in the following autumn quarter. Application to the program is online only through the UW Graduate School website: **www.grad.washington.edu/applForAdmiss/.**

Funding for Graduate Study

The School offers generous fellowships to top tier applicants each year. Many SEFS students are funded through research assistantships (RA) or teaching assistantships (TA). Currently enrolled students can also apply for tuition scholarships, and some students choose to enroll without funding. Students who apply by the application deadline are automatically considered for any of these funding options — there is no additional paperwork to complete.

About the School of Environmental and Forest Sciences

Established in 1907 as one of the oldest units on the University of Washington campus and one of the original natural resource programs in the country, our vision is to provide world class, internationally recognized knowledge and leadership for environmental and natural resource issues. School teaching, research, and outreach programs focus on the integrating theme of sustainability in natural and managed environments that include wilderness and park-like ecosystems, intensively managed planted forests, and urban ecosystems.

Our academic niche at the University of Washington is to study the key principles and processes that explain the behavior and interaction of biotic and social systems along gradients from urban to wildland settings. We study human-influenced natural resource and environmental systems through an interdisciplinary approach in collaboration with our campus and external partners.

We became a founding unit within the College of the Environment on July 1, 2009.

For more information contact SEFS Student and Academic Services at: email: cfradv@uw.edu; phone: 206-543-7081; visit our website at: www.cfr.washington.edu; subscribe to our blog at: uwsfr.wordpress.com.

UNIVERSITY of WASHINGTON COLLEGE of the ENVIRONMENT

School of Environmental and Forest Sciences

Our Graduate Program

The School of Environmental and Forest Sciences at the University of Washington offers diverse programs of graduate study, organized by the research interest groups described in this brochure. We offer Master of Science (MS), Master of Environmental Horticulture (MEH), the SAF-accredited Master of Forest Resources in Forest Management (MFR), Peace Corps Masters International Program in Forestry and Natural Resource Management) (MFR PCMI), and Doctor of Philosophy (PhD) degrees. We also participate in concurrent and cooperative UW degrees (Master of Science/Master of Public Affairs and Peace Corps International Masters). Program course work is flexible to cover the diversity of student interests within each interest group. Our degrees prepare students for careers in academia, public agencies, industry, the private sector, and non-profit organizations.

The University of Washington

The University of Washington has received more than $1 billion in sponsored research funds, a tribute to the exceptional quality of its diverse and innovative faculty, students, and staff, and the power of the UW intellectual community.

The UW receives more federal research funding than any other American public university, a ranking held since 1974. In the most recent ranking by China's Shanghai Jiao Tong University, the UW ranked 16th among the world's top universities.

Prospective students are encouraged to visit campus and make connections with faculty and students. The UW offers formal tours of the campus. Information can be found at: http://depts.washington.edu/mediarel/temp/tours.shtml. The UW Graduate School also has information for prospective students at: http://www.grad.washington.edu/admissions/prospective/reasons.shtml.

Academic Preparation

Students are eligible to apply from a variety of disciplines including biology, botany, chemistry, economics, environmental engineering, environmental policy, environmental studies, horticulture, marketing, mathematics, and sociology. While our programs have no specific course prerequisites, it is generally recommended for students to have undergraduate education in biology, calculus, statistics, and environmental studies at a minimum. A competitive applicant will have an in-depth specialization, experience, and skill set.

SEFS Graduate Research Interest Groups

Bioresource Science and Engineering (MS, PhD) Research focuses on conversion of cellulosic biomass to fuels, chemicals, and high value products, including process development and simulation, natural products chemistry, bioconversion methods, and techno-economic analysis. Faculty in the interest group work closely with faculty from Chemical Engineering, Chemistry, and Mechanical Engineering to investigate the fundamentals of biomass conversion and to develop new processes for making fuels, chemicals, and bio-based products that are economically viable and environmentally beneficial. The interest group is highly interdisciplinary and students with backgrounds in chemistry, biology, and engineering are encouraged to apply.

Forest Ecology (MS, PhD) Students are involved in basic and applied research in a diversity of fields including aquatic-terrestrial interactions, conservation biology, ecological modeling, ecophysiology, ecosystem studies, entomology, fire ecology, forest community ecology, genetics, global climate change, landscape ecology, paleoecology, pathology, and soils and nutrient cycling. No student covers the entire range of interests within the interest group, but all students benefit from the diversity of interests and perspectives represented by faculty associated with the group.

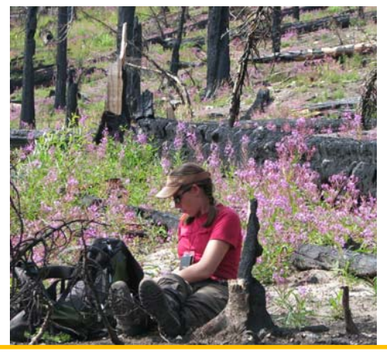
Forest Soils (MS, PhD) Forest Soils is a flexible program covering many aspects of soil science and environmental studies. Students are involved in basic and applied research relating to forest resources, restoration, and waste applications, and are exposed to a variety of interests and perspectives by drawing on the broad background of the soils faculty. Students develop expertise in one or more fields of soil science including management of forest soils, biosolids applications, soil chemistry, pedology, soil microbiology, biogeochemical cycling, or phytoremediation.

Restoration Ecology and Environmental Horticulture (MEH, MS, PhD) Students investigate plants and soils and their importance in the restoration and sustainable management of ecosystems. Two learned degrees, Master of Science (MS) and Doctor of Philosophy (PhD), and a professional degree, Master of Environmental Horticulture (MEH), are tailored to the interests and needs of individual students. Restoration Ecology refers to intentional activities that initiate or accelerate the recovery of ecosystems with respect to their health, integrity, and sustainability. Frequently, the ecosystem that requires restoration has been degraded, damaged, transformed, or entirely destroyed as the direct or indirect result of human activities. In some cases, these impacts have been caused or aggravated by natural agencies such as wildfire, floods, storms, or volcanic eruption.

Social Sciences (MS, PhD) Research is centered around the social science aspects of the environment and natural resources. Natural resource planning, policy, business, economics, and applied management issues provide the context for social science research. Students are expected to identify and develop an understanding of relevant social science disciplines such as sociology, planning, political science, law, economics, business, and anthropology. Study areas may include community forestry and rural development, land use planning, natural resource policy and law, public administration and decision making, social, business, and economic impact assessment, environmental externalities, and recreation management.

Sustainable Resource Management (MFR, MS, PhD) Students develop an integrated set of skills concentrating on silvicultural principles and practices, business management, forest economics, forest biometrics, remote sensing, and operations research. Students draw upon the expertise of a diverse faculty and are encouraged to expand the interdisciplinary nature of their program by enrolling in courses in related UW departments and programs, including the Department of Economics, Dan Evans Graduate School of Public Affairs, School of Law and the Jackson School of International Studies. Cooperating programs also include the School's Center for International Trade in Forest Products, as well as other UW programs such as Biostatistics, Statistics, Applied Mathematics, and the Center for Quantitative Science.

Wildlife Science (MS, PhD) The professional field of wildlife science covers the basic ecology of free-living animals and their relations to humans, including their management and conservation. Wildlife science is therefore a multi-disciplinary field which draws from the natural, quantitative, and social sciences. The Wildlife Science interest group is active in all phases of the discipline with current research projects on the basic ecology of species and a wide range of issues dealing with management and conservation of species and ecosystems, including problems in forest management, wildlife toxicology, range management, and marine mammalogy. The interest group focuses on vertebrates and is strongly field-oriented. Courses and seminars feature current approaches to wildlife research and management, ecological theory, and quantitative methods. The interest group stresses training in research, and opportunities for research are extensive.



Teaching and Research Faculty

G. GRAHAM ALLAN	FIBER & POLYMER SCIENCE
ERNESTO ALVARADO	FIRE SCIENCE
STANLEY ASAH	HUMAN DIMENSIONS OF NATURAL RESOURCE MGMT
JONATHAN BAKKER	ECOSYSTEM RESTORATION & MANAGEMENT
BRUCE BARE	FOREST MANAGEMENT & ECONOMICS
SUSAN BOLTON	HYDROLOGY & WATERSHED MGMT
GORDON BRADLEY	FOREST LAND USE PLANNING
DAVID BRIGGS	FOREST PRODUCTS OPERATIONS RESEARCH
SALLY BROWN	BIOREMEDIATION
RENATA BURA	NATURAL PRODUCTS CHEMISTRY
SHARON DOTY	PLANT BIOTECHNOLOGY
IVAN EASTIN	FOREST PRODUCTS MARKETING
ROBERT EDMONDS	FOREST SOIL MICROBIOLOGY/ PATHOLOGY
GREGORY ETTL	SUSTAINABLE FORESTRY
KERN EWING	RESTORATION & WETLAND ECOLOGY
E. DAVID FORD	FOREST ECOLOGY
JERRY FRANKLIN	FOREST ECOLOGY
JAMES FRIDLEY	FOREST ENGINEERING
DEAN GLAWE	PLANT & FOREST PATHOLOGY
FRANK GREULICH	MANAGEMENT SCIENCE
RICHARD GUSTAFSON	BIORESOURCE SCIENCE/FIBER & POLYMER SCIENCE
CHARLES HALPERN	FOREST ECOLOGY
ROBERT HARRISON	FOREST SOIL CHEMISTRY
THOMAS HINCKLEY	FOREST TREE PHYSIOLOGY
KEVIN HODGSON	BIORESOURCE SCIENCE/PAPER SCIENCE
SOO-HYUNG KIM	LANDSCAPE PLANT SCIENCES
JOSHUA LAWLER	CONSERVATION BIOLOGY/LANDSCAPE ECOLOGY
JOHN MARZLUFF	WILDLIFE BIOLOGY
L. MONIKA MOSKAL	REMOTE SENSING & BIOSPATIAL ANALYSIS
DOROTHY PAUN	FOREST PRODUCTS MARKETING
JOHN PEREZ-GARCIA	FOREST ECONOMICS
DAVID PETERSON	FOREST ECOLOGY
SERGEY RABOTYAGOV	NATURAL RESOURCE ECONOMICS
SARAH REICHARD	URBAN CONSERVATION BIOLOGY
FERNANDO RESENDE	BIOMASS, RENEWABLE ENERGY
CLARE RYAN	NATURAL RESOURCES POLICY & ADMININISTRATION
PETER SCHIESS	FOREST ENGINEERING
DOUGLAS SPRUGEL	FOREST ECOLOGY & ECOPHYSIOLOGY
CHRISTIAN TORGERSEN	LANDSCAPE ECOLOGY
SANDOR TOTH	NATURAL RESOURCE INFORMATICS
ERIC TURNBLOM	FOREST BIOMETRICS
DAN VOGT	SOIL & ECOSYSTEM ECOLOGY
KRISTIINA VOGT	ECOSYSTEM MANAGEMENT
STEPHEN WEST	VERTEBRATE ECOLOGY & CONSERVATION
AARON WIRSING	WILDLIFE SCIENCE
DARLENE ZABOWSKI	FOREST SOILS