



# Oregon State University

## College of Forestry

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Name:

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Major:

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Advisor Name:

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Advisor Office:

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Advising Appointment Time:

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## College of Forestry

### Welcome to the College of Forestry at Oregon State University!

I am thrilled that you have found your way to our College; this is the place to be for those who love forests and our natural environment and want to learn more about management and conservation of these critical resources.

Our faculty, staff, and students have a longstanding record of serving the region, working internationally, and bringing science-based solutions into our communities and workplaces. The career opportunities that await you build on the courses you will take, the experiences you have access to, and the jobs you do through summer and part-time work; and with all of this, employers love our students and our graduates get great jobs!



- Forestry and Natural Resource Professionals are unique in their ability to plan and manage for multiple values over the long term
- Forestry and Natural Resource Scientists continue to seek answers that will help us work with natural systems
- Wood Scientists and Engineers help us produce better products and new possibilities for sustainably meeting society's needs for building materials, water, and more

Academic excellence is the hallmark of College of Forestry programs at Oregon State University. Ranked as one of the premier forestry schools in the nation, students find a variety of programs that offer broad education, rigorous depth, and professional focus.

Dedicated faculty work with students to provide advising, mentoring, research experiences, study abroad opportunities, field labs, exposure to real-world practices, and the latest scientific findings.

Active student clubs enrich student life through social interaction, links to professional organizations, and leadership opportunities.

In short, this is a great place to study, and an OSU College of Forestry degree is sound preparation for the future and an ever-expanding variety of jobs and careers. We look forward to helping you flourish!

With warm regards,  
Anthony S. Davis, Acting Dean

#### COF by the numbers

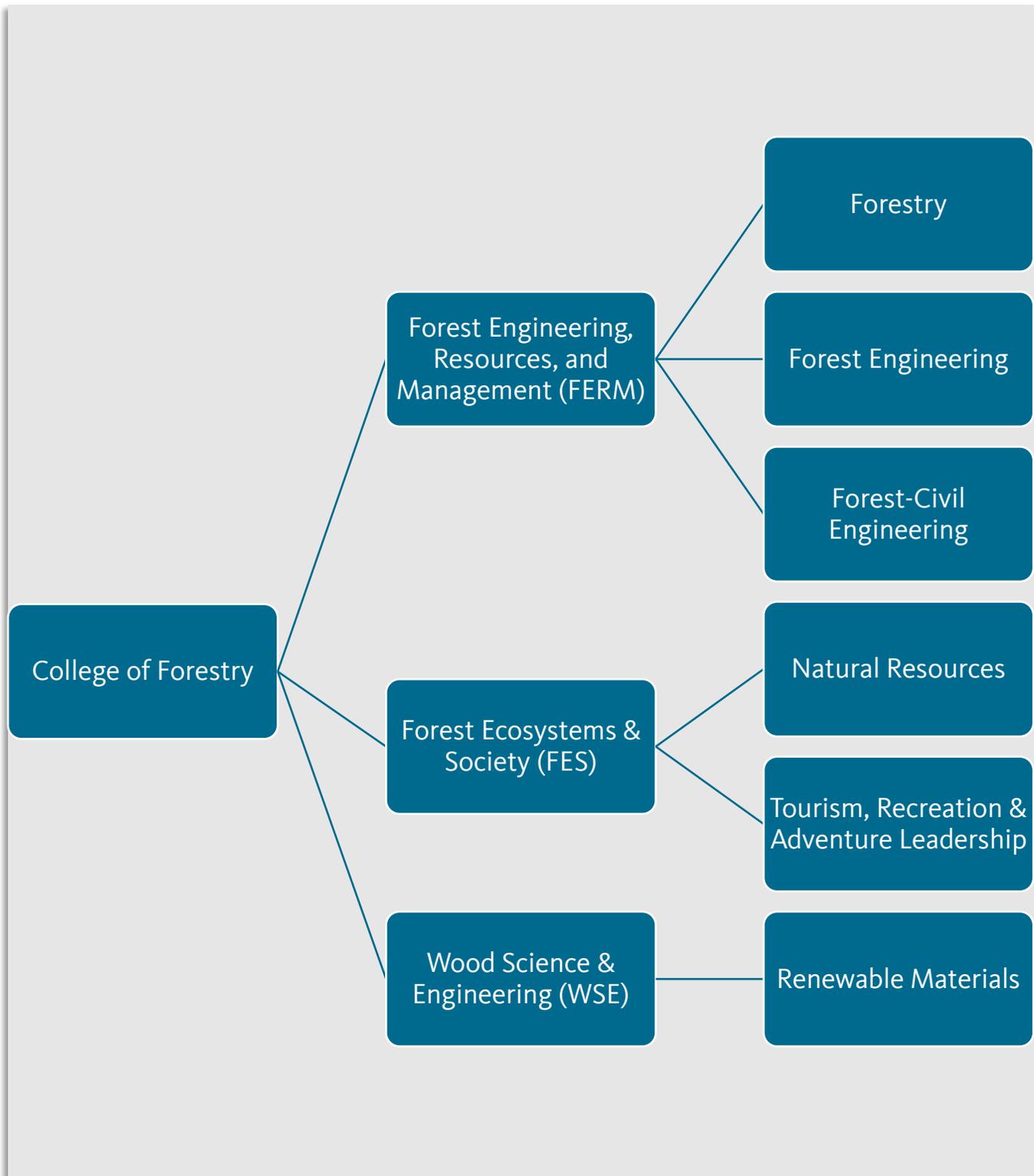
2 <sup>nd</sup>	2017 worldwide ranking for OSU's College of Forestry
6	Number of undergraduate majors offered
900	Number of undergraduates enrolled in COF majors
14,000	Acres of College Forest located in Oregon
\$575K	Scholarships awarded for 2018-2019

## College, Departments, Majors

College

Departments

Undergraduate Majors



## Departments

### Forest Engineering & Management



#### Forest Engineering, Resources & Management (FERM)

[ferm.forestry.oregonstate.edu](http://ferm.forestry.oregonstate.edu)

Snell 210

541-737-4952

#### Majors:

Forestry

Forest Engineering

Forest-Civil Engineering

### Forest Ecosystems & Society



#### Forest Ecosystems & Society (FES)

[fes.forestry.oregonstate.edu](http://fes.forestry.oregonstate.edu)

Richardson 321

541-737-2244

#### Majors:

Natural Resources

Tourism, Recreation, and Adventure Leadership

### Renewable Materials



#### Wood Science & Engineering (WSE)

[woodscience.oregonstate.edu](http://woodscience.oregonstate.edu)

Richardson 119

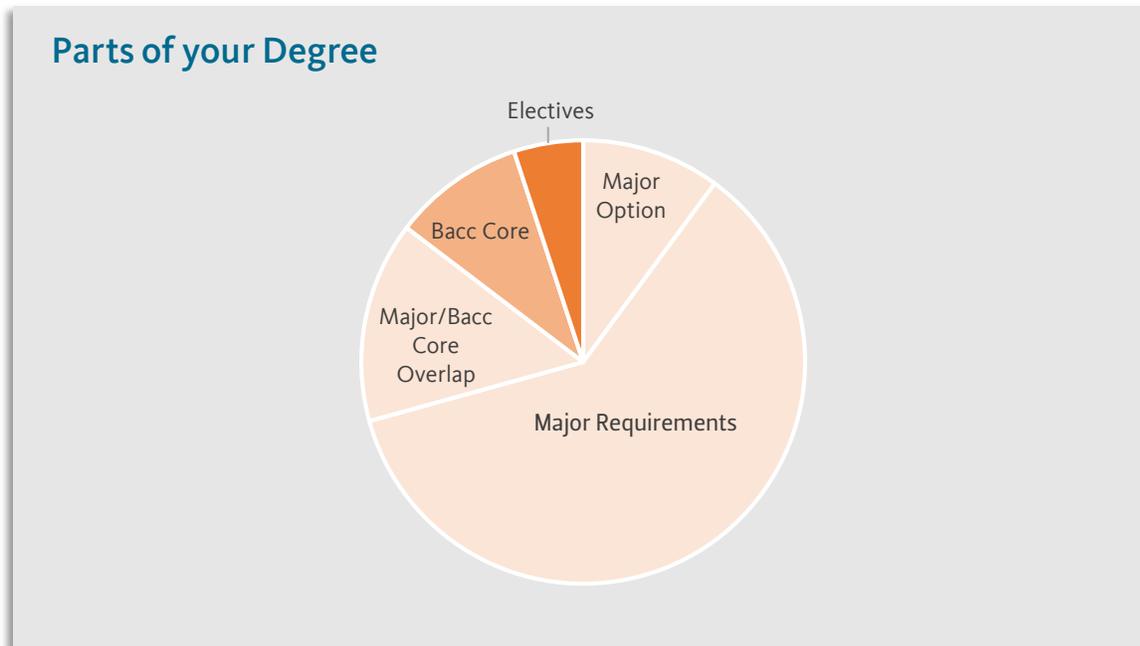
541-737-8506

#### Major:

Renewable Materials

## Parts of Your Degree

In general, your degree will have three parts: the Baccalaureate Core, major requirements, and electives. You will need a minimum of 180 credits to receive a degree. Students in Forest Engineering need 192, and those in Forest-Civil Engineering need 245.



**Baccalaureate Core (“Bacc Core”):** General education curriculum required of every OSU student.

**Major:** Your primary area of study. The majority of your courses will be in your major, and you will gain a depth of knowledge in this discipline.

**Option:** Some majors include an option. Options are specialized tracks within the major, allowing you to tailor your courses more specifically within a broad major.

**Minor:** A secondary area of study. Most minors require 24-36 credits of coursework, giving you a little more depth in that particular area. Minors are not required for College of Forestry students.

**Electives:** These are courses that you choose. Generally, they will not fulfill a requirement for your major, Bacc Core, or minor, but still count toward your total credits for graduation. Students often earn elective credit for music or physical fitness classes that they take for fun.

Consult your Academic Advisor, your Advising Guide, the OSU Catalog, and your MyDegrees page for requirements of your specific program.

## Baccalaureate Core

Baccalaureate Core (commonly referred to as “Bacc Core”) is the general education curriculum at Oregon State University. In order to graduate from OSU, students must complete the Bacc Core in addition to their major requirements.

	Purpose	Category Name	Details	Credits
<b>Skills</b>  <b>15 Credits from 5 Courses</b>	Ensure that students have basic skills in written and oral communication, mathematics, and personal wellness.	Writing I	Must be completed satisfactorily (grade of C- or better) within the first 45 credits at OSU.	3 credits
		Writing II	Must be completed satisfactorily within the first 90 credits at OSU.	3 credits
		Speech	Must be completed satisfactorily within the first 45 credits at OSU.	3 credits
		Mathematics	Must be completed satisfactorily within the first 45 credits at OSU.	3 credits
		Fitness	Two parts: HHS 231 (2 credits) and HHS 24X/PAC (1 credit)	3 credits
<b>Perspectives</b>  <b>24 Credits from 7 Courses</b>	Perspectives courses provide students with a breadth of knowledge across disciplinary fields.  <i>(no more than two courses from any subject)</i>	Biological Science & Lab		4 credits
		Physical Science & Lab		4 credits
		Additional Lab Science	Choose an additional Physical Science or Biological Science course	4 credits
		Cultural Diversity		3 credits
		Literature & the Arts		3 credits
		Social Processes & Institutions		3 credits
		Western Culture		3 credits
<b>Difference, Power, and Discrimination</b> <b>3 credits from 1 course</b>	In DPD courses, students examine the complex structures, systems, and beliefs behind discrimination and unequal power distribution in American society.	Difference, Power, and Discrimination		3 credits

	Purpose	Category Name	Details	Credits
<b>Synthesis</b>  6 credits from 2 courses	Synthesis courses use multidisciplinary approaches that foster critical thinking in a given content area. <i>(Courses must be from two different departments)</i>	Contemporary Global Issues		3 credits
		Science, Technology, and Society		3 credits
<b>Writing Intensive Course</b>  3 credits from 1 course	In WIC courses, students gain knowledge of and practice with writing in their major.	Writing Intensive	Taken in the major	3 credits
<b>Total:</b>				51 credits

A full list of courses that fulfill Bacc Core requirements is available online: [catalog.oregonstate.edu/earning-degrees/bcc/](http://catalog.oregonstate.edu/earning-degrees/bcc/). Some Bacc Core requirements may be fulfilled by courses you take for your major. Consult with your Academic Advisor to determine which categories you need to fulfill.

### What if I have an Associate’s Degree?

Students transferring to OSU after earning an Associate’s Degree at an Oregon Community College may have a majority of their Bacc Core waived. Official policy: [admissions.oregonstate.edu/transfer-credit](http://admissions.oregonstate.edu/transfer-credit)

#### *Associate of Arts Oregon Transfer (AAOT)*

Completion of an Associate of Arts Oregon Transfer degree (AAOT) ensures completion of all lower division Baccalaureate Core (general education) requirements and junior standing for registration. Students with AAOTs will still need to complete the Bacc Core Synthesis and WIC requirements at OSU.

#### *Associate of Science (AS)*

The Associate of Science (AS) degree does not guarantee that students will be accepted as having completed all lower division Baccalaureate Core (general education) requirements or junior standing for registration purposes. However, an AS from Linn-Benton Community College (awarded after March 2001) ensures completion of all lower division Baccalaureate Core requirements at OSU. Students with AS degrees will still need to complete the Bacc Core Synthesis and WIC requirements at OSU.

#### *Associate of Science Oregon Transfer – Business (ASOT-Business)*

Completion of an ASOT- Business ensures completion of all lower division Baccalaureate Core (general education) requirements and junior standing for registration purposes. Students with ASOT - Business degrees will still need to complete the Bacc Core Synthesis and WIC requirements at OSU.

## Program Overview: Forest Engineering



Forest Engineering at Oregon State has a long tradition of excellence in undergraduate education. Our programs are designed to provide a solid Engineering background as well as fundamental knowledge in Forestry principles and practices. OSU is one of only two universities in the U.S. to offer a forest engineering degree. We provide an engineering education that focuses on solving the engineering problems of Forest Resource Management. Employers in forest industries, consulting firms, and public agencies recognize the strength of OSU's programs. The quality in the Forest Engineering program is maintained by including breadth and depth in both Forestry and Engineering topics in the curriculum. The Bachelor of Science in Forest Engineering is accredited by the Society of American Foresters (SAF) and by the Engineering Accreditation Commission of ABET, Inc.

The Forest Engineering Program at Oregon State University prepares graduates to plan and implement solutions to complex forestry and natural resource problems. Early career opportunities include harvest unit design, forest road location and design, contract inspection and administration, cost analysis, and forest transportation management. Mid-career assignments may involve aspects of engineering management including planning and budgeting, supervision, wood supply procurement, harvest and road design reviews, and scheduling and controlling forest operations.

### **Pro-School (see p. 26):**

The Forest Engineering major operates on a pre/pro model. Students spend their first two years in the pre-Forestry program, and move to the professional Forestry program (or "Pro-School") for their junior and senior years. Students remain in the Pre-Forestry program until completing the Pre-Forestry curriculum satisfactorily. Grades of C or better and a minimum GPA of 2.25 are required in all courses that are part of the Pre-Forestry curriculum. Pre-Forestry students will apply for admission to Pro-School to gain access to the junior/senior level courses. Application commonly takes place at the end of the sophomore year.

### **Field School:**

Field School is an intensive two-week hands-on experience that prepares students for Pro-School. It is required of all students entering Pro-School and takes place during the two weeks prior to the start of the junior year.

### Special Requirements:

- **S/U Grading:** Students majoring in Forest Engineering may not take for S/U Grading (Satisfactory/Unsatisfactory) any course listed as a requirement for the major. This includes approved substitutions. Baccalaureate core courses may be taken S/U unless they are also being used to fulfill a program requirement.
- **Grades of C or better must be earned** in all required College of Forestry (FE, FOR, FES, NR, WSE) courses (or approved substitutions).
- **Approved Work Experience:** Six months of work experience related to the major is required. Additional information can be found on page 64.

*Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).*

### Pre-Forest Engineering Courses: First & Second Years

CCE 201	Civil Engineering II: Engineering Graphics & Design
CH 201	Chemistry for Engineering Majors
COMM 111* or COMM 114*	Public Speaking or Argument & Critical Discourse
ECON 201*	Intro to Microeconomics
ENGR 211	Statics
ENGR 212	Dynamics
ENGR 213	Strength of Materials
FE 101	Intro to Forest Engineering
FE 102	Forest Engineering Problem Solving & Technology
FE 208	Forest Surveying
FE 257	GIS & Forest Engineering Applications
FES 240*	Forest Biology
FES 241	Dendrology
FOR 111	Intro to Forestry
MTH 251*	Differential Calculus
MTH 252	Integral Calculus
MTH 254	Vector Calculus
MTH 256	Applied Differential Equations
PH 211*	General Physics I with Calculus
PH 212*	General Physics II with Calculus
SOIL 205*	Soil Science
FOR 206*	Soil Science Lab
ST 201	Principles of Statistics
WR 121*	English Composition
WR 327*	Technical Writing

## Professional Program: Third & Fourth Years

FE 310	Forest Route Surveying
FE 312	Field School
FE 315	Soil Engineering
FE 316	Soil Mechanics
FE 330	Forest Engineering Fluid Mechanics & Hydraulics
FE 371	Harvesting Process Engineering
FE 415	Forest Road Engineering
FE 416	Forest Road System Management
FE 434	Forest Watershed Management
FE 440	Forest Operations Analysis
FE 444	Forestry Remote Sensing & Photogrammetry
FE 456*	International Forestry (or other Contemporary Global Issues course)
FE 457	Techniques for Forest Resource Analysis
FE 459	Forest Management Planning & Design I
FE 460* or FOR 460*	Forest Operations Regulations and Policy Issues or Forest Policy
FE 469	Forest Management Planning & Design II
FE 470	Logging Mechanics
FE 471	Harvesting Management
FE 480	Forest Engineering Practice & Professionalism
FOR 321	Forest Mensuration
FOR 330	Forest Resource Economics I
FOR 331	Forest Resource Economics II
FOR 441	Silviculture Principles
GEO 300* or FW 350*	Sustainability for the Common Good or Endangered Species, Society and Sustainability

## Program Overview: Forest-Civil Engineering

Graduates from these degree programs receive a rigorous blend of engineering and forestry education that provides a foundation for amazingly diverse career options. The OSU Forest Engineering Program is the only one that is accredited in both engineering and forestry. The FE/CE double degree is unique; it is not available at any other university in North America and the Engineering Accreditation Commission of ABET, Inc. (ABET) accredits both programs.



Graduates from both degree programs are prepared to play a variety of key roles in helping meet the world's appetite for wood products from sustainable forests, while also protecting other resource values such as soils, water, wildlife habitat, and recreation opportunities. In a world of more than 7 billion people, society's wood demands are enormous and growing, even with aggressive recycling programs. Many Forest Engineering graduates help meet these demands through positions that plan, design, and implement forestry activities — applying the best engineering, science, technology and experience available to conduct safe, cost effective, and environmentally responsible forest operations.

Other Forest Engineering graduates, especially those from the FE/CE degree program, sometimes pursue careers with less forestry focus. Examples include land development, surveying engineering, transportation engineering and management, environmental consulting, and even municipal engineering. The 5-year double degree is challenging, but commonly provides the most diverse job opportunities and highest starting salaries.

Traditional forest engineering careers typically involve developing and maintaining transportation systems, and planning and designing timber harvests and other forest operations. Forest products or timberland management companies, federal or state agencies, and consulting or contracting firms are the most common entry-level employers for graduates. Some stay in field oriented positions for much of their career, but many graduates have also become successful managers and executives as they gain experience. A substantial number of graduates find opportunity and satisfaction in owning their own consulting or contracting business, especially if they have an interest in entrepreneurship. All of these types of positions represent vibrant and timely career opportunities. Forestry continues to be a cornerstone of the economy of many communities, providing jobs and economic vitality. This is a good time to be entering this field as the baby boomer generation begins to retire. As the population of the world grows and natural resource challenges become more complex the need for well-rounded highly trained forest engineers becomes greater.

### Pro-School (see p. 26):

The Forest Engineering major operates on a pre/pro model. Students spend their first two years in the pre-Forestry program, and move to the professional Forestry program (or “Pro-School”) for their junior and senior years. Students remain in the Pre-Forestry program until completing the Pre-Forestry curriculum satisfactorily. Grades of C or better and a minimum GPA of 2.25 are required in all courses that are part of the Pre-Forestry curriculum. Pre-Forestry students will apply for admission to Pro-School to gain access to the junior/senior level courses. Application commonly takes place at the end of the sophomore year.

FE/CE students must also apply to the Pro-School for Civil Engineering. This requires a separate application through the College of Engineering, and is subject to different GPA requirements. Engineering Pro-School application information: [engineering.oregonstate.edu/apply-engineering-professional-program-summer15-later](http://engineering.oregonstate.edu/apply-engineering-professional-program-summer15-later)

### Field School:

Field School is an intensive two-week hands-on experience that prepares students for Pro-School. It is required of all students entering Pro-School and takes place during the two weeks prior to the start of the junior year.

### Special Requirements:

- **S/U Grading:** Students majoring in Forest-Civil Engineering may not take for S/U Grading (Satisfactory/Unsatisfactory) any course listed as a requirement for the major. This includes approved substitutions. Baccalaureate core courses may be taken S/U unless they are also being used to fulfill a program requirement.
- **Grades of C or better must be earned** in all required College of Forestry (FE, FOR, FES, NR, WSE) or approved substitutions.
- **Approved Work Experience:** Six months of work experience related to the major is required. Additional information can be found on page 64.

Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).

### Pre-Forest/Civil Engineering Courses: First & Second Years

CCE 101	Civil & Construction Engineering Orientation
CCE 201	Civil Engineering II: Engineering Graphics & Design
CH 201	Chemistry for Engineering Majors I
CH 202	Chemistry for Engineering Majors II
CH 205	Laboratory for CH 202
COMM 111* or COMM 114*	Public Speaking or Argument & Critical Discourse
ECON 201*	Intro to Microeconomics
ENGR 211	Statics
ENGR 212	Dynamics
ENGR 213	Strength of Materials
FE 101	Intro to Forest Engineering
FE 102	Forest Engineering Problem Solving & Technology
FE 208	Forest Surveying
FE 257	GIS & Forest Engineering Applications
FES 240*	Forest Biology
FES 241	Dendrology
MTH 251*	Differential Calculus
MTH 252	Integral Calculus
MTH 254	Vector Calculus
MTH 256	Applied Differential Equations
MTH 306	Matrix & Power Series Methods
PH 211*	General Physics I with Calculus
PH 212*	General Physics II with Calculus
PH 213*	General Physics III with Calculus
SOIL 205*	Soil Science
FOR 206*	Soil Science Lab
ST 314	Intro to Statistics for Engineers
WR 121*	English Composition

## Professional Program: Third, Fourth & Fifth Years

CCE 321	Civil Engineering Materials
CE XXX	CE Design Elective (choose from a list)
CE 311	Fluid Mechanics
CE 313	Hydraulic Engineering
CE 361	Surveying Theory
CE 381	Structural Theory I
CE 382	Structural Theory II
CE 383	Design of Steel Structures
CE 392	Intro to Highway Engineering
CE 418*	Civil Engineering Professional Practice
CE 419	Civil Infrastructure Design
CE 481	Reinforced Concrete I
CE 491	Transportation Engineering
ENGR 201	Electrical Fundamentals I
ENVE 321	Environmental Engineering Fundamentals
FE 310	Forest Route Surveying
FE 312	Field School
FE 315	Soil Engineering
FE 316	Soil Mechanics
FE 371	Harvesting Process Engineering
FE 415	Forest Road Engineering
FE 416	Forest Road System Management
FE 434	Forest Watershed Management
FE 440	Forest Operations Analysis
FE 444	Forestry Remote Sensing and Photogrammetry
FE 456*	International Forestry (or other Contemporary Global Issues course)
FE 457	Techniques for Forest Resource Analysis
FE 459	Forest Management Planning & Design I
FE 460* or FOR 460*	Forest Operations Regulations and Policy Issues or Forest Policy
FE 469	Forest Management Planning & Design II
FE 470	Logging Mechanics
FE 480	Forest Engineering Practice and Professionalism
FOR 321	Forest Mensuration
FOR 330	Forest Resource Economics I
FOR 331	Forest Resource Economics II
FOR 441	Silvicultural Principles
GEO 300* or FW 350*	Sustainability for the Common Good or Endangered Species, Society and Sustainability
WR 327*	Technical Writing

## Program Overview: Forestry

The B.S. in Forestry program is intended to more broadly educate and train forest land managers in the biological, physical, and socioeconomic factors that influence forest policies and management actions. Our graduates will be prepared to work for the forest industry, non-industrial landowners, federal and state agencies, non-profits and nongovernmental organizations.



The successful forester must understand the biological and physical processes of forest ecosystems, as well as the social, economic, and operational forces that influence forest policies and management actions. The forestry core curriculum includes basic courses in the biological, physical, social sciences, and six months of work experience as well as professional courses designed to prepare students to manage forest resources.

Learning outcomes for the B.S. in Forestry program:

- Demonstrate knowledge of forest ecology and silvicultural principles to understand how forests and forested watersheds respond to natural disturbances or management activities.
- Develop skills in geospatial analysis, basic surveying, mapping, and Geographic Information Systems (GIS).
- Demonstrate ability to measure and inventory forest vegetation with precision and accuracy.
- Develop an understanding of forestry investment analysis and be able to evaluate typical financial investments in forestry.
- Demonstrate an understanding of the development and execution of strategic, tactical and operational forest plans that support achievement of desired future stand conditions and strategic goals.
- Demonstrate an understanding of the social and political context of forestry and be able to describe current policies, laws, and regulations governing the management of forestlands.

Forestry students must choose one of three options within the major:

- Forest Management
- Forest Operations Management
- Forest Restoration and Fire

### Pro-School (see p. 26):

The Forestry major operates on a pre/pro model. Students spend their first two years in the pre-Forestry program, and move to the professional Forestry program (or “Pro-School”) for their junior and senior years. Students remain in the Pre-Forestry program until completing the Pre-Forestry curriculum satisfactorily. Grades of C or better and a minimum GPA of 2.25 are required in all courses that are part of the Pre-Forestry curriculum. Pre-Forestry students will apply for admission to Pro-School to gain access to the junior/senior level courses. Application commonly takes place at the end of the sophomore year.

### Field School:

Field School is an intensive two-week hands-on experience that prepares students for Pro-School. It is required of all students entering Pro-School and takes place during the two weeks prior to the start of the junior year.

### Special Requirements:

- **S/U Grading:** Students majoring in Forestry may not take for S/U Grading (Satisfactory/Unsatisfactory) any course listed as a requirement for the major. This includes approved substitutions. Baccalaureate core courses may be taken S/U unless they are also being used to fulfill a program requirement.
- **Grades of C or better must be earned** in all required College of Forestry (FE, FOR, FES, NR, WSE) courses (or approved substitutions).
- **Approved Work Experience:** Six months of work experience related to the major is required. Additional information can be found on page 64.

## Forest Management Option (FM)

The Forest Management Option is a broad-based education, including basic courses in mathematics, statistics, biology and ecology, the physical and social sciences, professional courses in forest biology and ecology and forest management, and at least 6 months of work experience. Entry-level positions for graduates can include duties that span the full range of forest resource uses and management activities, including: fire control and prevention, watershed protection, wildlife habitat management, forest roads and trails, timber management and regeneration, forest health assessment and insect/disease control measures, community-based forestry, ecosystem services markets and carbon offset sales, and management consulting. Graduates are employed by private and public organizations. Private sector employers include the forest timber and wood products industries, forestry consulting firms, Non-Government Organizations (NGOs) and environmental organizations, and self-employment. Public employers include federal, state, and local government agencies such as the U.S. Forest Service, Bureau of Land Management, National Park Service, Peace Corps, and state departments of forestry and natural resources.

*Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).*

### Pre-Forestry Courses: First & Second Years (FM)

BI 204* or BI 212*	Introductory Biology I or Principles of Biology II
CH 231 & 261*	General Chemistry I & Lab
COMM 111* or COMM 114*	Public Speaking or Argument & Critical Discourse
ECON 201* or AEC 250*	Intro to Microeconomics or Intro to Environmental Economics & Policy
FE 208	Forest Surveying
FE 257	GIS and Forest Engineering Applications
FES 240*	Forest Biology
FES 241	Dendrology
FOR 111 or NR 201	Intro to Forestry or Managing Natural Resources for the Future
FOR 112	Computing Applications in Forestry
MTH 111*	College Algebra
MTH 112*	Elementary Functions
MTH 241*	Calculus for Management & Social Science
PH 201*	Principles of Physics I
SOIL 205*	Soil Science
FOR 206* or SOIL 206* & FOR 208	Soil Science Lab or Soil Science Lab & Forest Soils Recitation
ST 201	Principles of Statistics
TRAL 251	Recreation Resource Management
WR 121*	English Composition
WR 327* or WR 326*	Technical Writing or Science Writing

### Professional Program: Third & Fourth Years (FM)

FE 370	Harvesting Processes
FE 434	Watershed Management
FE 444	Forestry Remote Sensing and Photogrammetry
FES 341	Forest Ecology
FES 355 or FES 477* or NR 455 or FES 485* or GEOG 300*	Management for Multiple Resource Values or Agroforestry or Natural Resource Decision Making or Consensus and Natural Resources or Sustainability for the Common Good
FES 412	Forest Entomology
FES 452	Biodiversity Conservation in Managed Forests
FOR 312	Field School
FOR 321	Forest Mensuration
FOR 322	Forest Models
FOR 330	Forest Resource Economics I
FOR 331	Forest Resource Economics II
FOR 413	Forest Pathology
FOR 442	Silviculture Reforestation
FOR 443	Silvicultural Practices
FOR 456*	International Forestry (or other Contemporary Global Issues course)
FOR 457	Techniques for Forest Resource Analysis
FOR 459	Forest Management Planning & Design I
FOR 469	Forest Management Planning & Design II
FOR 460* or FE 460*	Forest Policy or Forest Operations Regulations and Policy Issues
Additional 15 Credits	Upper-division restricted electives in Forestry

## Forest Operations Management Option (FOM)

The Forest Operations Management Option is designed as a professional forestry degree that blends elements of forest engineering and forest management with business management and entrepreneurship. This option will prepare graduates to support the needs of an evolving forest sector in Oregon and the world. As they gain experience, graduates will have options to serve as project managers for logging or silvicultural contracting service firms, as consultants, or as company or agency contract administrators that supervise a growing contracting work force. Graduates will also be prepared to continue on to graduate school in a variety of disciplines that range from natural resources to business.

The educational objectives of the Forest Operations Management Option are to develop science, engineering and technical solutions that promote sustainable management of forest, land and water resources to meet society's economic, environmental and social needs. This option is intended for students who have strong interest in the operational aspects of industrial forest management. More specifically, students who wish to own or manage a contracting business that provides silviculture, harvesting, or transportation system services to larger companies or agencies, or be employed by companies or agencies to administer contracts and manage operations, much like project managers do in the construction business.

This option meets all of the coursework requirements for the Business and Entrepreneurship minor from the College of Business. Students in the Forest Operations Management Option must apply to the College of Business to be admitted to the Business and Entrepreneurship Minor.

Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).

### Pre-Forestry Courses: First & Second Years (FOM)

BA 215	Fundamentals of Accounting
BA 230	Business Law
BA 260	Introduction to Entrepreneurship
BI 204* or BI 212*	Introductory Biology I or Principles of Biology II
CH 231 & 261*	General Chemistry I & Lab
COMM 111* or COMM 114*	Public Speaking or Argument & Critical Discourse
ECON 201*	Intro to Microeconomics
FE 102	Forest Engineering Problem-Solving & Technology
FE 208	Forest Surveying
FE 257	GIS and Forest Engineering Applications
FES 240*	Forest Biology
FES 241	Dendrology
FOR 111 or NR 201	Intro to Forestry or Managing Natural Resources for the Future
MTH 111*	College Algebra
MTH 112*	Elementary Functions
MTH 241*	Calculus for Management & Social Science
PH 201*	Principles of Physics I
SOIL 205*	Soil Science
FOR 206* or SOIL 206* & FOR 208	Soil Science Lab or Soil Science Lab & Forest Soils Recitation
ST 201	Principles of Statistics
WR 121*	English Composition
WR 327* or WR 362*	Technical Writing or Science Writing

## Professional Program: Third & Fourth Years (FOM)

BA 351	Managing Organizations
BA 390	Marketing
BA 314 or BA 460	Sustainable Business Operations or Venture Management
FE 370	Harvesting Processes
FE 434	Watershed Management
FE 440	Forest Operations Analysis
FE 444	Forestry Remote Sensing and Photogrammetry
FE 471	Harvesting Management
FOR 312	Field School
FOR 456*	International Forestry (or other Contemporary Global Issues course)
FOR 321	Forest Mensuration
FOR 330	Forest Resource Economics I
FOR 331	Forest Resource Economics II
FOR 442	Silviculture Regeneration
FOR 443	Silvicultural Practices
FOR 457	Techniques for Forest Resource Analysis
FOR 459	Forest Management Planning & Design I
FOR 469	Forest Management Planning & Design II
FOR 460* or FE 460*	Forest Policy or Forest Operations Regulations and Policy Issues

### **Forest Restoration & Fire Option (FRF)**

The Forest Restoration & Fire Option emphasizes active management to accommodate, to prevent, to mitigate and/or to use forest disturbance processes as part of a forest management plan. Disturbance processes, such as wildfire, insect or disease outbreak, landslides, and windthrow, are important considerations in any actively managed forest, regardless of the specific management objective. In forests managed primarily for wood production, where the predominant disturbance is harvest, “natural” disturbance may pose risk of damage to timber values and disturbance management is primarily preventative. Where management objectives include recreation, biodiversity, restoration to historical conditions, or other ecosystem services, these disturbances may have beneficial outcomes; hence, management may include use of disturbance as a management tool or simply as part of a renewal process in a resilient and diverse forested landscape.

The Forest Restoration & Fire option is intended to provide students with the knowledge and the skillset to incorporate natural processes, including disturbance, explicitly into forest management planning, whether it be to prevent or mitigate damage resulting from disturbance or to use disturbance processes purposefully to achieve management objectives. This knowledge / skillset is particularly important for managing forests at the landscape scale and in the face of uncertainty and rapid change (e.g. in climate or in land use patterns). It will complement the existing degree options in ways that will expand the set of potential employers for graduates from the B.S. Forestry degree program.

The Association of Fire Ecology has granted accreditation for the Forest Restoration & Fire option.

Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).

### Pre-Forestry Courses: First & Second Years (FRF)

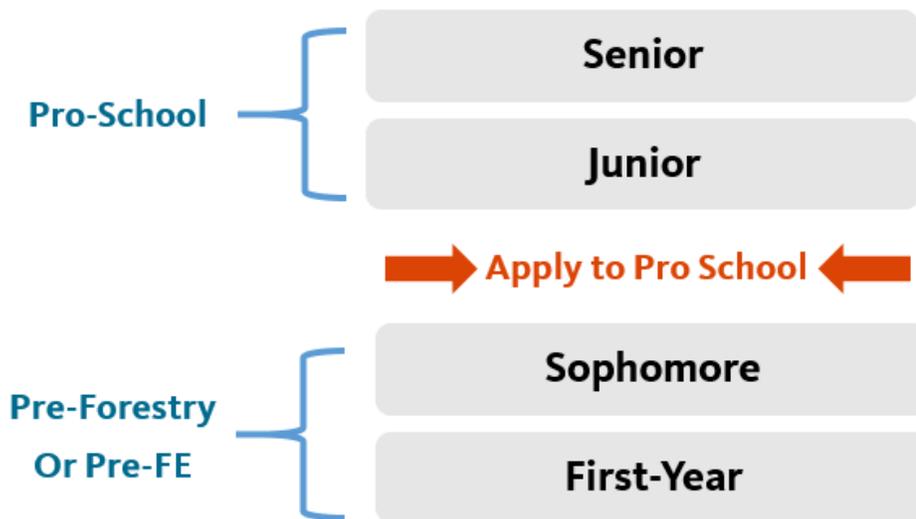
ATS 201 or ATS 310	Climate Science or Meteorology
BI 204* or BI 212*	Introductory Biology I or Principles of Biology II
CH 231 & 261*	General Chemistry I & Lab
COMM 111* or COMM 114*	Public Speaking or Argument & Critical Discourse
ECON 201* or AEC 250*	Intro to Microeconomics or Intro to Environmental Economics & Policy
FE 208	Forest Surveying
FE 257	GIS and Forest Engineering Applications
FES 240*	Forest Biology
FES 241	Dendrology
FOR 111 or NR 201	Intro to Forestry or Managing Natural Resources for the Future
FOR 112	Computing Applications in Forestry
MTH 111*	College Algebra
MTH 112*	Elementary Functions
MTH 241*	Calculus for Management & Social Science
PH 201*	Principles of Physics I
SOIL 205*	Soil Science
FOR 206* or SOIL 206* & FOR 208	Soil Science Lab or Soil Science Lab & Forest Soils Recitation
ST 201	Principles of Statistics
WR 121*	English Composition
WR 327* or WR 362*	Technical Writing or Science Writing

### Professional Program: Third & Fourth Years (FRF)

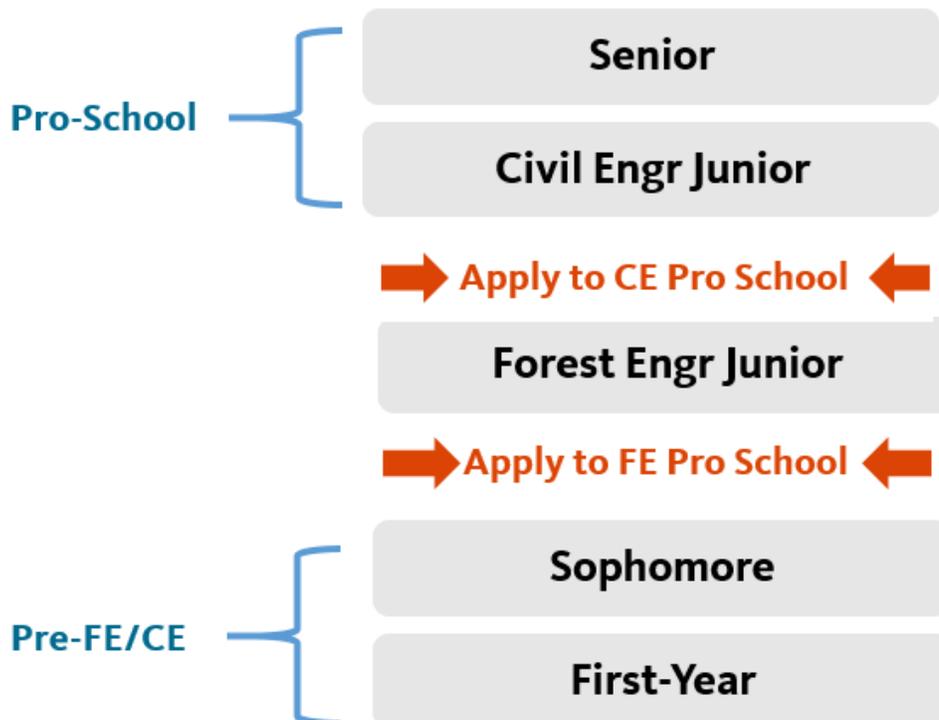
FE 370	Harvesting Processes
FE 434	Watershed Management
FE 436	Forest Disturbance Hydrology
FE 444	Forestry Remote Sensing and Photogrammetry
FES 341	Forest Ecology
FES 485*	Consensus and Natural Resources
FES 412	Forest Entomology
FES 440	Wildland Fire Ecology
FES 445	Ecological Restoration
FOR 312	Field School
FOR 321	Forest Mensuration
FOR 322	Forest Models
FOR 330	Forest Resource Economics I
FOR 331	Forest Resource Economics II
FOR 346	Topics in Wildland Fire
FOR 413	Forest Pathology
FOR 431	Economics and Policy of Forest Wildland Fire
FOR 436	Wildland Fire Science and Management
FOR 442	Silviculture Reforestation
FOR 443	Silvicultural Practices
FOR 456*	International Forestry (or other Contemporary Global Issues course)
FOR 457	Techniques for Forest Resource Analysis
FOR 459	Forest Management Planning & Design I
FOR 469	Forest Management Planning & Design II
FOR 460* or FE 460*	Forest Policy or Forest Operations Regulations and Policy Issues

## Professional Program or “Pro-School”

### Forestry and Forest Engineering Majors:



### Forest/Civil Engineering Majors:



## Program Overview: Natural Resources



Maintaining the integrity of the Earth's ecosystems is a key challenge of the 21st century. Increasing human population continues to place greater demands on our natural resources. Students in the Natural Resources program at Oregon State University gain an understanding of complex biophysical, social, and cultural systems shaping natural resource management. The Natural Resources program is an interdisciplinary degree. The degree emphasizes a broad-based approach to the study of natural resources, providing students the opportunity to combine areas of particular interest and focus on topics not otherwise offered at the undergraduate level.

With this degree program students will:

- Describe ecological processes, including human impacts that influence ecosystem change, natural succession and the future sustainability of natural resources.
- Envision desired future conditions in an area to achieve a set of natural resource-related objectives, prescribe management actions needed to achieve those objectives, and evaluate success of these actions.
- Describe how the use, management, and allocation of natural resources are affected by: laws, policies, economic factors (both market and non-market), and characteristics (including demographic, cultural, ethnic and values differences) of private and public resource owners and users.
- Communicate effectively, orally and in writing, with audiences of diverse backgrounds.
- Work effectively with, and within, interdisciplinary and diverse groups to resolve management problems and achieve management objectives.

Recent program graduates are working as natural resource specialists and planners with state and federal agencies, attending law school, training/working as teachers in K-12 education, and pursuing graduate degrees in a variety of disciplines.

## Natural Resources Curriculum

The Bachelor of Science in Natural Resources curriculum consists of three blocks of study.

- **NR Major Requirements:** The requirements cover interdisciplinary foundations of environmental problem solving, advanced communications, biophysical sciences, mathematics and statistics, resource management, social and political dimensions, and spatial analysis.
- **Option:** A focused areas of study that will tailor your degree to your career interests and goals. Minimum GPA for this block is 2.25. Minimum number of credits in the option is 40 with at least 20 upper division credits required.
- **Baccalaureate Core** (see pp. 7-8)

**Note:** The Natural Resources Program allows a maximum of two S/U graded courses in the major requirements and option.

*Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).*

### Natural Resources Core Categories (complete one course for each category):

Consensus & Natural Resources	FES 485. Consensus & Natural Resources
Managing Natural Resources	NR 201. Managing Natural Resources for the Future
Natural Resources Decision-Making	NR 455. Natural Resource Decision-Making
Advanced Communications	COMM 321. Introduction to Communication Theory COMM 322. Small-Group Problem Solving COMM 328. Nonverbal Communication COMM 385. Communication and Culture in Cyberspace COMM 440. Theories of Conflict and Conflict Management COMM 442. Bargaining and Negotiation Processes FES 430. Forest as Classroom FW 489 Effective Comm. for Fisheries & Wildlife Science NR 312. Critical Thinking for Natural Resource Challenges TRAL 493. Environmental Interpretation WR 362. *Science Writing WR 462. *Environmental Writing
Biology I	BI 101. *General Biology BI 204. *Introductory Biology I BI 211. *Principles of Biology I
Biology II	BI 102. *General Biology BI 205. *Introductory Biology II BI 212. *Principles of Biology II
Biology III	BI 103. *General Biology BI 205. *Introductory Biology III BI 213. *Principles of Biology III
Chemistry	CH 121. General Chemistry CH 231 & 261. *General Chemistry with Lab
Climate Science	ATS 201. *Climate Science FW 345. Global Change Biology GEOG 323. *Climatology SUS 103. *Introduction to Climate Change

Earth or Soil Science	<p>CSS 205. *Soil Science          CSS 305. Principles of Soil Science          SOIL 205 &amp; SOIL 206. *Soil Science with lab          SOIL 205 &amp; FOR 206. * Soil Science with Forest Soils Lab          GEO 101. *The Solid Earth          GEO 201. *Physical Geology          GEO 202. *Earth Systems Science          GEO 221. *Environmental Geology          GEOG 102. *Physical Geography</p>
Ecology	<p>BI 351. Marine Ecology (3)          BI 370. General Ecology (3)          BOT 341. Plant Ecology (4)          FES 341. Forest Ecology (3)</p>
Mathematics	<p>MTH 112. *Elementary Functions          MTH 241. *Calculus for Management and Social Science          MTH 245. *Math for Mgmt, Life, and Social Sciences          MTH 251. *Differential Calculus</p>
Statistics	<p>ST 201. Principles of Statistics          ST 351. Introduction to Statistical Methods</p>
Animal ID	<p>FES 412. Forest Entomology          FW 312. Systematics of Birds          FW 316. Systematics of Fishes          FW 318. Systematics of Mammals          Z 365. Biology of Insects          Z 477. Aquatic Entomology</p>
Environmental Assessment & Planning	<p>FW 462. Ecosystem Services          GEOG 250. Land Use Planning for Sustainable Communities          GEOG 450. Land Use in the American West          GEOG 451. Planning Principles &amp; Practices for Resilient Communities          GEOG 452. Sustainable Site Planning          RNG 421. Wildland Restoration and Ecology          RNG 490. Rangeland Management Planning          SUS 304. *Sustainability Assessment          SUS 350. *Sustainable Communities          TRAL 456. Planning for Sustainable Recreation          TRAL 457. Planning for Sustainable Tourism          NR 325. Scientific Methods for Analyzing NR Problems</p>
Fisheries & Marine Sciences	<p>BI 150. Introduction to Marine Biology          BI/FW 302. Biology and Conservation of Marine Mammals          BI 347. Ocean in Peril          BI 351. Marine Ecology          FW 320. Introductory Population Dynamics          FW 323. Mgmt Principles of Pacific Salmon in the Northwest          FW 426. Coastal Ecology and Resource Management          FW 454. *Fishery Biology          FW 465. Marine Fisheries          FW 473. Fish Ecology          FW 481. Wildlife Ecology          OC 201. Oceanography          OC 332. Coastal Oceanography</p>

Forestry	FE/FOR 456. *International Forestry FES 240. *Forest Biology FES 341. Forest Ecology FES 342. Forest Types of the Northwest FES/HORT 350. Urban Forestry FES 440. Wildland Fire Ecology FES/FW 445. Ecological Restoration FES/FW 452. Biodiversity Conservation in Managed Forests FES/NR 477. *Agroforestry FOR 346. Topics in Wildland Fire FOR 441. Silviculture Principles
Land and Water	FE 430. Watershed Processes FE 434. Forest Watershed Management FW 326. Integrated Watershed Management FW 456. Limnology FW 479. Wetlands and Riparian Ecology GEO 306. *Minerals, Energy, Water, and the Environment GEO 307. *National Park Geology and Preservation GEO 308. *Global Change and Earth Sciences GEOG 340. *Introduction to Water Science and Policy GEOG 440. Water Resources Mgmt in the United States GEOG 441. International Water Resources Management RNG 355. Desert Watershed Management RNG 455. Riparian Ecohydrology and Management SOIL 366. Ecosystems of Wildland Soils SOIL 388. Soil Systems and Plant Growth SOIL 395. *World Soil Resources SOIL 466 Soil Morphology and Classification
Range	FES 440. Wildland Fire Ecology FES/FW 445. Ecological Restoration FOR 346. Topics in Wildland Fire RNG 341. Rangeland Ecology and Management RNG 351. Range Ecology I-Grasslands RNG 352. Range Ecology II-Shrublands RNG 421. Wildland Restoration and Ecology RNG 441. Rangeland Analysis RNG 442. Rangeland-Animal Relations RNG 490. Rangeland Management Planning
Vegetation ID	BOT 321. Plant Systematics BOT 414. Agrostology BOT 425. Flora of the Pacific Northwest FES 241. Dendrology HORT 226. Landscape Plant I: Decid. Hardwoods & Conifers HORT 228. Landscape Plant II: Spring Flow. Trees & Shrubs RNG 353. Wildland Plant Identification
Wildlife Management	FW 251. Principles of Fish and Wildlife Management FW 320. Introductory Population Dynamics FW 321. Applied Community & Ecosystems Ecology FW 435. *Wildlife in Agricultural Ecosystems FW 451. Avian Conservation and Management FES/FW 452. Biodiversity Conservation in Managed Forests FW 458. Mammal Conservation and Management FW 481. Wildlife Ecology Z 350. Animal Behavior

Ethics and Philosophy	AG 301. *Ecosystem Science of Pacific NW Indians ANTH 477. Ecological Anthropology ANTH 481. *Natural Resources and Community Values ANTH 482. *Anthropology of International Development FW 340. *Multicultural Perspectives in Natural Resources GEO 309. *Environmental Justice HST 481. *Environmental History of the United States NR 312. Critical Thinking for Natural Resource Challenges PHL 440. *Environmental Ethics PHL/REL 443. *World Views and Environmental Values
Natural Resource Policy	AEC 432. Environmental Law AEC 454. *Rural Development Economics and Policy FE 460. *Forest Operations Regulations and Policy Issues FOR 460. *Forest Policy FOR 462. Natural Resource Policy and Law FW 415. Fisheries and Wildlife Law and Policy FW 422. Intro to Ocean Law PS 473. US Energy Policy PS 475. Environmental Politics and Policy PS 477. International Environmental Politics and Policy
Political Issues	ENT 300/HORT 330. *Plagues, Pests, and Politics FES 454. Managing at the Wildland-Urban Interface FOR 462. Natural Resource Policy and Law FW 350. *Endangered Species, Society and Sustainability NR 351. * Science and Resource Management PS 455. *The Politics of Climate Change PS 475. Environmental Politics and Policy PS 476. *Science and Politics PS 477. International Environmental Politics and Policy TRAL 352. Wilderness Management
Resource Economics	AEC 351. *Natural Resource Economics and Policy AEC/ECON 352. *Environmental Economics and Policy AEC 454. Rural Development Economics and Policy FOR 330. Forest Resource Economics I
Social Issues	FES 355. Management for Multiple Resource Values FES 365. *Issues in NR Conservation FW 325. *Global Crises in Resource Ecology GEOG 300. *Sustainability for the Common Good GEOG 240. *Climate Change, Water and Society GEOG 430. Resilience-based Natural Resource Management NR 351. *When Science Escapes the Lab SOC 381. Social Dimensions of Sustainability SOC 475. Rural Sociology SOC 480. *Environmental Sociology SOC 481. *Society and Natural Resources SUS 420. Social Dimensions of Sustainability TRAL 251. Recreation Resource Management TRAL 351. Outdoor Recreation Mgmt on Public Lands TRAL 352. Wilderness Management TRAL 353. Nature, Eco, and Adventure Tourism TRAL 354. Communities, Natural Areas, and Sus. Tourism WGSS 440. *Women and Natural Resources
Spatial Analysis	CROP/HORT 414. Precision Agriculture FE 257. GIS and Forest Engineering Applications FW 303. Survey of GIS in Natural Resources GEOG 201. *Foundations of Geospatial Science and GIS GEOG 360. GIScience I: GIS and Theory

### **Natural Resources Options:**

Students must choose one option, a focused area of study tailoring the degree to your career interests and goals. More information about the options is available online:

[forestry.oregonstate.edu/undergraduate-programs/natural-resources](https://forestry.oregonstate.edu/undergraduate-programs/natural-resources)

#### **Conservation Law Enforcement** (Corvallis and Ecampus)

Students will be prepared to enter careers in Conservation Law Enforcement with an understanding of the criminal justice system, environmental law and policy, human dimensions and sustainable resource management.

#### **Ecological Restoration** (Corvallis and Ecampus)

This option will help students understand complexities associated with restoration of terrestrial and aquatic ecosystems, and how restoration decisions involve significant interactions between ecological and social systems.

#### **Fish & Wildlife Conservation** (Corvallis, Ecampus, and Cascades)

This option prepares students for a career in the broad arena of natural resource and wildlife conservation. It emphasizes understanding the relationship between animal species and their habitat requirements and the ability to apply this knowledge to the management ecosystems as a means of conserving fish and wildlife.

#### **Forest Ecosystems** (Corvallis)

This option will assist students in understanding the nature of forest ecosystems and the processes by which they function. Course work includes an understanding of the multiple resources and values associated with forest ecosystems and some of the techniques involved in managing them.

Students in this area of specialization may be interested in becoming a certified Forester through the Society of American Foresters ([eforester.org/](https://eforester.org/)). Natural Resource students can earn certification through Option #2 by meeting credit hour requirements for certification.

#### **Human Dimensions** (Corvallis and Ecampus)

The student will develop an understanding of the interconnectedness of human behavior and well-being and natural resources. It includes skills and knowledge to better understand the cultural, social, political and philosophical issues associated with natural resources, and prepares students to work with various stakeholders in natural resource management.

#### **Integrated Conservation Analysis** (Corvallis)

Students pursuing this option will learn to recognize, understand, analyze and evaluate complex natural resource problems through a cross disciplinary approach. They will contribute to finding solutions to these critical issues by developing depth of knowledge in a disciplinary focus and by preparing to work on cross disciplinary teams. Students will learn to communicate their findings effectively to diverse groups and apply conflict resolution, leadership, and collaboration skills effectively.

**Landscape Analysis** (Corvallis and Ecampus)

This option prepares students to work with Geographic Information Science technology in a natural resource fields such as wildfire ecology, land use planning, forestry, ecological restoration, and more. The pairing of the technical skills of GIScience with a disciplinary knowledge in a natural resource area will prepare students for the practical application of technical skills in the real world.

In addition, this specialization option will allow students to earn the GIScience Undergraduate Certificate through the College of Earth, Ocean, and Atmospheric Sciences concurrently with their BS degree through the College of Forestry.

**Natural Resource Education** (Corvallis and Ecampus)

This option will prepare students for careers as natural resource educators. Students may choose to focus on teaching in informal settings such as interpretive centers, aquariums, museums and parks or pursue a career in formal education in a K-12 classroom.

Students on the Corvallis campus may wish to explore the Education Double Degree program offered by the College of Education which allows students to earn a BA or BS in Education as well as their BS in Natural Resources. Courses in this option may be double counted with the Education Double Degree where applicable. Students in the Double Degree Program would seek Content Mastery for certification in biology or integrated science in order to teach in middle school or high school.

**Policy and Management** (Corvallis and Ecampus)

This option will prepare students for careers in the broad arena of natural resource management and environmental conservation, with an emphasis on the social and political aspects of resource issues.

**Urban Forest Landscapes** (Corvallis and Ecampus)

This option will help students understand the complexities surrounding the culture and management of urban forest ecosystems. It includes an examination of the economic, social, and environmental benefits and values of trees in urban areas, and the relationship between people and trees.

**Wildland Fire Ecology** (Corvallis and Ecampus)

This option will help students understand the nature of fire in wildland ecosystems. It includes an understanding of the dynamics of fire behavior and post-fire response.

**Individualized Specialty Option – ISO** (Corvallis, Ecampus, Cascades)

The Individualized Specialty Option is a student designed option that allows a student to tailor the academic program to specific goals or interests related to natural resource management. In consultation with their Academic Advisor, students will develop a written proposal for a program of study that meets their goals as well as academic requirements. Students should contact their assigned Academic Advisor for information on developing an Individualized Specialty Option.

## Program Overview: Renewable Materials



The sustainable economy of your future relies heavily on the use of natural materials for the products we use, the buildings we live in and the energy we consume. You will help design this sustainable future by studying the science, business, manufacturing, and design of renewable materials. Renewable materials are quite diverse—including wood, bamboo, straw, hemp, cane, giant grasses, palm and many other plant-based materials. Sustainability and efficiently meeting the demand for products and energy made from these materials requires innovative scientists, engineers, and business people who want to make a difference.

A Bachelor of Science degree in Renewable Materials requires command of a broad range of technical, science, business, and design skills. The curriculum (which is accredited by Society of Wood Science & Technology – SWST) is under continuous review and revision to ensure that content and learning objectives are synchronized with both employer expectations and advancements in technology and science.

The program's educational goals are:

- 1) Prepare students to be both environmentally conscious and economically successful by using renewable materials to meet society's needs and solve important problems.
- 2) Equip students with professional skills and knowledge to use renewable materials to make positive contributions in a world that is rapidly becoming more complicated and challenging.
- 3) Equip students to work with, and in, diverse groups of professionals on a global scale.
- 4) Inform students how to start new businesses and develop new products based on renewable materials.
- 5) Equip students with a set of skills and tools for personal development and life-long learning for a successful career in the globalized economy.

With a degree in Renewable Materials you can pursue diverse and flexible career paths where you might develop new products/services, market those products/services, manage high-tech production operations, or design new and innovative products or art. Most people will change employers several times and be expected to shoulder many different responsibilities over the course of their professional lives. After successfully completing the RM curriculum, you will possess a firm foundation of skills and knowledge on which to build your career.

Renewable Materials students complete the RM Core Courses as well as the course required for one of these options:

- Advanced Wood Manufacturing
- Art & Design
- Management & Marketing
- Science & Engineering

### Special Requirements:

- **S/U Grading:** Students majoring in Renewable Materials may not take any course listed as a requirement for the major for S/U Grading (Satisfactory/Unsatisfactory). This includes approved substitutions. Baccalaureate core courses may be taken S/U unless they are also being used to fulfill a program requirement.
- **Grades of C or better must be earned** in all required Forestry (FE, FOR, FES, NR, WSE) courses (or approved substitutions).
- **Approved Work Experience:** Six months of work experience related to the major is required in order to graduate. Additional information can be found on page 64.
- **Area of Concentration-** RM students in Art & Design, Management & Marketing, or the Science & Engineering option are required to complete a customized Area of Concentration. This flexible block of credits is intended to give you a set of knowledge and skills particular to your interests and aptitude. Area of Concentration proposals are initiated and submitted by each student, usually during the sophomore year with academic advisor assistance, for departmental approval and addition to their required academic program. Your advisor can provide examples and more details.

*Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).*

### Renewable Materials Core: Required of all RM students

CH 121	General Chemistry I
CH 122*	General Chemistry II
COMM 111* or COMM 114*	Public Speaking or Argument & Critical Discourse
FES 240*	Forest Biology
FOR 111	Introduction to Forestry
FOR 112	Computer Applications in Forestry
WR 121*	English Composition
WR 214* or WR 327*	Writing for Business Technical Writing
WSE 111	Renewable Materials for a Green Planet
WSE 210*	Renewable Materials Technology and Utilization
WSE 225	Principles of Architectural Design with Renewable Materials
WSE 250	CAD: Computer Aided Design
WSE 320	Anatomy of Renewable Materials
WSE 321	Chemistry or Renewable Materials
WSE 322	Physical and Mechanical Properties of Renewable Materials
WSE 324	Renewable Materials Laboratory
WSE 453*	Forest Products Business
WSE 465	Renewable Materials Manufacturing Experience

## Advanced Wood Manufacturing Option

This option complements the Renewable Materials core curriculum that develops students' knowledge of properties and behavior of bio-based materials. It adds a strong foundation in how the products are manufactured, as well as how the manufacturing processes are designed, managed, controlled, and optimized. Students will be exposed to important advanced topics such as automation, scanning and optimization systems, computer numerically controlled (CNC) machining, robotics, 3D printing, as well as how emerging topics such as the Internet of Things (IoT) and Big Data may impact the future of manufacturing.

### Advanced Wood Manufacturing Option Courses:

Course	Course Title
BA 215 or BA 315	Fundamentals of Accounting or Accounting for Decision Making
CH 123*	General Chemistry
ECON 201*	Introduction to Microeconomics
ECON 202*	Introduction to Macroeconomics
ENGR 390	Engineering Economy
IE 255 or ST 314	Intro to Quantitative Analysis of Industrial & Manufacturing Systems Introduction to Statistics for Engineers
IE/MFGE 285	Introduction to Industrial & Manufacturing Engineering
IE 366	Work Systems Engineering
IE 367	Production Planning and Control
MTH 251*	*Differential Calculus
MTH 252*	Integral Calculus
PH 201* or PH 211*	General Physics I or General Physics with Calculus I
PH 202* or PH 212*	General Physics II or General Physics with Calculus II
PH 203* or PH 213*	General Physics III or General Physics with Calculus III
WSE 350	Secondary Products Design & Manufacturing
WSE 351	Advanced CAD: Computer Aided Design
WSE 352	CAM for the CNC Router & Laser Engraver
WSE 425	Timber Tectonics in the Digital Age
WSE 450	Entrepreneurial Product Development I
WSE 451	Entrepreneurial Product Development II
WSE 455	Industrial Marketing in the Forest Sector
WSE 461	Bio-Based Product Manufacturing
WSE 462	Advanced Manufacturing I
WSE 463	Advanced Manufacturing II

## Art & Design Option

The Art & Design option prepares students to engage with renewable materials on an aesthetic level, whether as interior designers, fine artists, or entrepreneurs. Students will gain not only an in-depth knowledge of renewable materials, but also how these materials can function visually within the human space. In addition to the aesthetic aspect, students will gain an understanding of green building materials and green architecture. Students with the Art & Design option may also earn a minor in Studio Art by completing 27 credits of applicable course work.

### Art & Design Option Courses:

ART 115	Foundations: 2-D
ART 117	Foundations: 3-D
ART 131	Foundations: Drawing
ART 234	Drawing II/ Figure
ART 291	Sculpture I
DSGN 121	Computer Aided Design
MTH 245*	Mathematics for Management, Life, and Social Sciences
ST 201	Principles of Statistics I
ST 202	Principles of Statistics II
WSE 211	Woodturning with Science I
WSE 266*	Industrial Hemp
WSE 351	Advanced CAD
WSE 352	CAM for CNC/Laser Engraver
WSE 392*	Bambooolooza
WSE 414*^	Art and Design Capstone
Restricted Electives (Select at least 12 credits)	ART 101. *Intro to Visual Arts ART 121. Foundations: Computers in Visual Arts ART 208. *Intro to Asian Art ART 215. Color in the Visual Arts ART 263. Digital Photography ART 310. *Early Chinese Art and Archaeology ART 311. *Late Chinese Art and Culture ART 313. *Art of Japan ART 331. Drawing Concepts ART 351. Installation ART 367. *History of Design ART/WSE 413. Woodturning with Science II WSE 350. Secondary Products Design and Manufacturing WSE 351. Advanced CAD: Computer Aided Design WSE 450. Entrepreneurial Product Development I WSE 451. Entrepreneurial Product Development II Approved COF Int'l Programs
Area of Concentration	A minimum of 12 upper-division studio credits selected by the student in consultation with their advisor in order to align with the student's interests and goals.

## Management & Marketing Option

The Management & Marketing Option provides students with the skills to manage organizations or devise new marketing strategies to compete in the global renewable materials industry. Students in this option will also earn a Business and Entrepreneurship minor. This option is oriented toward a career in business or management.

### Management & Marketing Option Courses:

BA 211	Financial Accounting
BA 213	Managerial Accounting
BA 230 or BA 330	Business Law or Legal Environment of Business
BA 260	Introduction to Entrepreneurship
BA 351	Managing Organizations
BA 360	Introduction to Financial Management
BA 390	Marketing
DSGN 121	Computer Aided Design
ECON 201*	Introduction to Microeconomics
ECON 202*	Introduction to Macroeconomics
MTH 111*	College Algebra
MTH 241*	Calculus for Business & Social Sciences
ST 351	Introduction to Statistical Methods I
ST 352	Introduction to Statistical Methods II
WSE 455	Industrial Marketing in the Forest Sector
WSE 461	Manufacturing with Renewable Materials I
WSE 462	Manufacturing with Renewable Materials II
WSE 471	Renewable Materials in Building Construction
Restricted Electives (Select at least 12 credits)	AEC/ECON 352*: Environmental Economics & Policy BA 357: Operations Management BA 432: Environmental Law, Sustainability, and Business BA 451: Supply and Sourcing Management BA 458: Innovation and New Product Development BA 460: Venture Management ECON 340: International Economics FES 241: Dendrology MGMT 364: Project Management MGMT 452: Leadership MRKT 396: Fundamentals of Marketing Research MRKT 488: Personal Selling MRKT 489: Personal Selling Skills and Techniques MRKT 497: Global Marketing PS 477: International Environmental Politics and Policy Approved COF Int'l Programs
Area of Concentration	A minimum of 12 approved credits (including 8 upper-division credits) selected by the student in consultation with their advisor in order to align with the student's interests and goals.

### Science & Engineering Option:

Science & Engineering has a strong technical emphasis with the flexibility to tailor your coursework to earn a minor in a variety of science or technology disciplines. Students work to solve problems, create efficiencies and promote intelligent use of renewable materials. This option is oriented toward a technical career, but also provides exposure to business practices and skills. A high interest and aptitude in math and science is required.

### Science & Engineering Option Courses:

BA 215 or BA 315	Fundamentals of Accounting or Accounting for Decision Making
BA 230 or BA 330	Business Law or Legal Environment of Business
CH 123*	General Chemistry III
ECON 201*	Introduction to Microeconomics
ECON 202*	Introduction to Macroeconomics
IE/MFGE 285	Introduction to Industrial and Manufacturing Engineering
MTH 251*	Differential Calculus
MTH 252	Integral Calculus
MTH 254	Vector Calculus
PH 201* or PH 211*	General Physics I or General Physics with Calculus I
PH 202* or PH 212*	General Physics II or General Physics with Calculus II
PH 203* or PH 213*	General Physics III or General Physics with Calculus III
ST 314	Introduction to Statistics for Engineers
WSE 430	Fundamentals of Engineering Mechanics
WSE 461	Manufacturing with Renewable Materials I
WSE 462	Manufacturing with Renewable Materials II
WSE 471	Renewable Materials in Building Construction
WSE 473	Bioenergy and Environmental Impact
Area of Concentration	A minimum of 24 approved credits (including 12 upper-division credits) selected by the student in consultation with their advisor in order to align with the student's interests and goals.

## Program Overview: Tourism, Recreation & Adventure Leadership



The Tourism, Recreation and Adventure Leadership (TRAL) major explores the importance of tourism and recreation in natural settings for community development, human health and quality of life, and the sustainable use of natural resources. Students will learn about management practices and public preferences to address contemporary tourism, recreation and outdoor leadership opportunities and issues in natural settings. Studies include decision making within applicable laws and across cultural contexts, as well as communication to a variety of audiences, and successful supervision of employees and volunteers.

The TRAL program emphasizes best practices for planning, developing, and managing recreation resources in natural settings. Students learn to evaluate and integrate experiential, economic, biophysical, and social concepts. They study interaction across natural resources and the consequences of development, management and marketing decisions.

The TRAL Core curriculum introduces studies in communication, management, research methods, recreation and tourism planning, and sustainability. Each student then chooses an option where they specialize for greater depth.

TRAL students must choose one of four options within the major:

- Outdoor Recreation Management (Corvallis Campus)
- Sustainable Tourism Management (Corvallis Campus)
- Nature, Eco, and Adventure Tourism (Bend Campus)
- Adventure Leadership Education (Bend Campus)

### Special Requirements:

- **S/U Grading:** Students majoring in Tourism, Recreation & Adventure Leadership may not take any course listed as a requirement for the major or the option take S/U Grading (Satisfactory/Unsatisfactory). This includes approved substitutions. Baccalaureate core courses may be taken S/U unless they are also being used to fulfill a major requirement.
- **Grades of C or better must be earned** in all required courses for the major.
- **Approved Work Experience:** Six months of work experience related to the major is required. Additional information can be found on page 64.

Note: The following courses fulfill requirements for the major. Students must also complete OSU's Baccalaureate Core to earn a degree. Major requirements that also fulfill a Baccalaureate Core requirement are marked with an asterisk (\*).

**Tourism, Recreation, and Adventure Leadership Core** – one course per category

COMM 111*	Public Speaking
COMM 114*	Argument & Critical Discourse
FES 422	Research Methods in Social Science
FES 485*	Consensus and Natural Resources
ANTH 481*	Natural Resources and Community Values
FW 340*	Multicultural Perspectives in Natural Resources
FW 350*	Endangered Species, Society, and Sustainability
SOC 481*	Society and Natural Resources
WGSS 440*	Women and Natural Resources
FOR 112	Computing Applications in Forestry
TRAL 493	Environmental Interpretation
ST 201	Principles of Statistics
TRAL 378 @ Cascades	Tourism and Recreation Data Analysis (Bend students only)
SUS 350*	Sustainable Communities
TRAL 353	Nature, Eco, and Adventure Tourism
FES 444 @ Cascades	Ecological Aspects of Park Management (Bend students only)
TRAL 352	Wilderness Management
TRAL 357	Parks & Protected Areas Management
WR 121*	English Composition

\* courses that also fulfill Bacc Core requirements

### Outdoor Recreation Management Option:

Designed for students pursuing careers as outdoor recreation planners and managers in public land management agencies and non-profit organizations at local, state, and federal levels. Students study land management, the process of permitting, and laws relevant to outdoor recreation. They create monitoring and assessment protocols for recreation resources in natural settings, and they learn to engage respectfully with individuals and groups that may have diverse perspectives and priorities regarding recreation opportunities. Students are trained to facilitate understanding and conflict resolution across these individuals and groups.

Students must complete one course in each category of the option, and these courses should be unique from those used in the TRAL Core.

### Outdoor Recreation Management Requirements – one course per category

ECON 201*	Introduction to Microeconomics
AEC 250*	Introduction to Environmental Economics & Policy
FES 240*	Forest Biology
FES/FW 452	Biodiversity Conservation in Managed Forests
FES 341	Forest Ecology
FES 440	Wildland Fire Ecology
FW 251	Principles of Fish & Wildlife Conservation
TRAL 251	Recreation Resource Management
FOR 111	Introduction to Forestry
NR 201	Managing Natural Resources for the Future
NR 202	Natural Resources Problems & Solutions
AEC 351*	Natural Resource Economics and Policy
TRAL 432	Economics of Recreation Resources
ST 202	Principles of Statistics
TRAL 351	Outdoor Recreation Management on Public Lands
TRAL 354	Communities, Natural Areas, and Sustainable Tourism
FES 485*	Consensus and Natural Resources
FE 257	GIS and Forest Engineering Applications
GEOG 360	GIScience I: Geographic Information Systems and Theory
FW 303	Survey of Geographic Information Systems in Natural Resources
FOR 460*	Forest Policy
AG 421	Leadership Development
ENSC 479	Environmental Case Studies
TRAL 375* @ Cascades	Experiential Education (Bend students only)
GEOG 452	Sustainable Site Planning
PS 477	International Environmental Politics and Policy
FOR 460*	Forest Policy
AEC 432	Environmental Law
FOR 462	Natural Resource Policy & Law
TRAL 456	Planning for Sustainable Recreation

\* courses that also fulfill Bacc Core requirements

### Sustainable Tourism Management Option:

Designed for students pursuing careers as tourism destination planners, developers, and marketers in government, non-profit, or the private sector, in both domestic and international locations. This option applies business concepts to tourism, and explains best practices for planning, developing, and managing sustainable nature-based tourism. Students learn to create a business plan, apply business law principles, create marketing strategies, create financial statements, explain land management goals and permit processes. They learn to plan, develop and manage sustainable nature-based tourism in a manner that integrates experiential, economic, biophysical, and social data. They explore the consequences of development of natural resources in domestic and international tourism.

Students must complete one course in each category of the option, and these courses should be unique from those used in the TRAL Core.

### Sustainable Tourism Management Requirements – one course per category

FOR 111	Introduction to Forestry
NR 201	Managing Natural Resources for the Future
NR 202	Natural Resources Problems & Solutions
TRAL 251	Recreation Resource Management
ECON 202*	Principles of Macroeconomics
ST 202	Principles of Statistics
TRAL 354	Communities, Natural Areas, and Sustainable Tourism
BA 260	Introduction to Entrepreneurism
FES 485*	Consensus and Natural Resources
FE 257	GIS and Forest Engineering Applications
GEOG 360	GIScience I: Geographic Information Systems and Theory
FW 303	Survey of Geographic Information Systems in Natural Resources
GEOG 450	Land Use in the American West
GEOG 451	Planning Principles and Practices for Resilient Communities
AEC 454	Rural Development Economics and Policy
TRAL 432	Economics of Recreation Resources
BA 432*	Environmental Law, Sustainability, and Business
FOR 460	Forest Policy
AG 421	Leadership Development
ENSC 479	Environmental Case Studies
TRAL 375* @ Cascades	Experiential Education (Bend students only)
GEOG 452	Sustainable Site Planning
PS 477	International Environmental Politics and Policy
FOR 460	Forest Policy
AEC 432	Environmental Law
FOR 462	Natural Resource Policy & Law
TRAL 457	Planning for Sustainable Tourism

\* courses that also fulfill Bacc Core requirements

## Academic Advising

### Who is my advisor?

Your Academic Advisor is assigned based upon your major. Their name is listed on your MyDegrees page. Advisor information is outlined on page 45.

### When do I see my advisor?

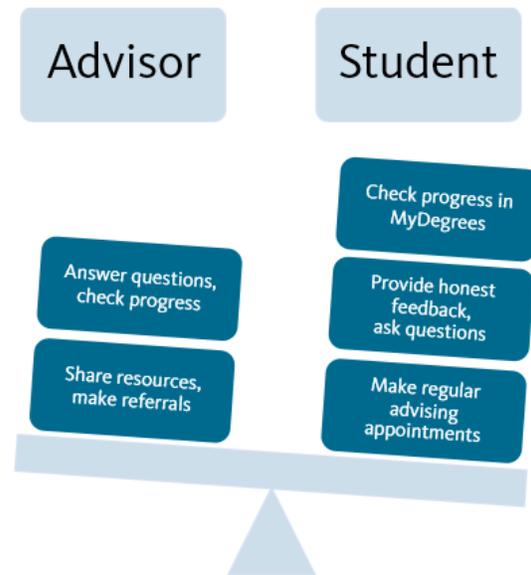
COF students are required to meet with their Academic Advisor at least once per quarter.

Fall: Halloween

Winter: Valentine's Day

Spring: Cinco de Mayo

You are welcome to have more than one meeting with your Advisor each quarter.



### Advisor & Advisee Rights and Responsibilities:

The advising effort is one of mutual respect and collaboration between you and your advisor. If the process is to be effective, both you and your advisor must meet certain obligations. With that in mind, below are key responsibilities for your relationship.

As an advisee, you should...	Your Advisor will...
Understand and accept that you are ultimately responsible for your education and your own decisions.	Develop a purposeful relationship with you and be your advocate.
Be prepared when you come to advising sessions; be active in your advising session. Ask questions.	Assist you in defining and developing your educational, career, and life plans.
Communicate your personal values, abilities and goals.	Provide timely and accurate educational information
Provide accurate and truthful information.	Promote learning opportunities that will help you define or meet personal goals and plans.
Initiate a purposeful relationship with your advisor and make appointments when in need of assistance.	Assist you in preparing an academic program that is consistent with your abilities and interests.
Utilize and regularly check your ONID email account.	Monitor your progress toward educational goals.
Call or email if you need to cancel an appointment.	Interpret and explain institutional policies, procedures and requirements.
Learn and understand OSU policies, procedures, and requirements as they relate to your academic success.	Inform you of available campus resources and special services that may be relevant to your situation.
Follow through on action plans that you have agreed to.	

## Academic Advisors



### Autumn Granger

Snell 408  
541-737-9135  
Autumn.granger@oregonstate.edu

Natural Resources  
Renewable Materials



### McKenzie Huber

Snell 404  
541-737-2873  
McKenzie.huber@oregonstate.edu

Natural Resources



### Sandy Jameson

Snell 401  
541-737-6548  
Sandy.jameson@oregonstate.edu

Forestry  
Forest Engineering  
Forest-Civil Engineering



### Nicole Kent

Snell 407  
541-737-1592  
nicole.kent@oregonstate.edu

Head Advisor



### Terina McLachlain

Snell 409  
541-207-3580  
Terina.mclachlain@oregonstate.edu

Natural Resources Program Manager  
Natural Resources



### Beth Thompson

Snell 406  
541-737-1179

Natural Resources  
Tourism, Rec. & Adventure Leadership

## How to Make an Advising Appointment

You should have at least one appointment with your advisor every term. Scheduling is easy.

- 1) Visit: [undergrad.forestry.oregonstate.edu/advising/academic-advisors](https://undergrad.forestry.oregonstate.edu/advising/academic-advisors)
- 2) Find your advisor's picture. If you can't remember your advisor, you can find their name on your MyDegrees page.



**Autumn Granger**

Snell 408

541-737-9135

[autumn.granger@oregonstate.edu](mailto:autumn.granger@oregonstate.edu)

[Schedule an appointment with Autumn](#)

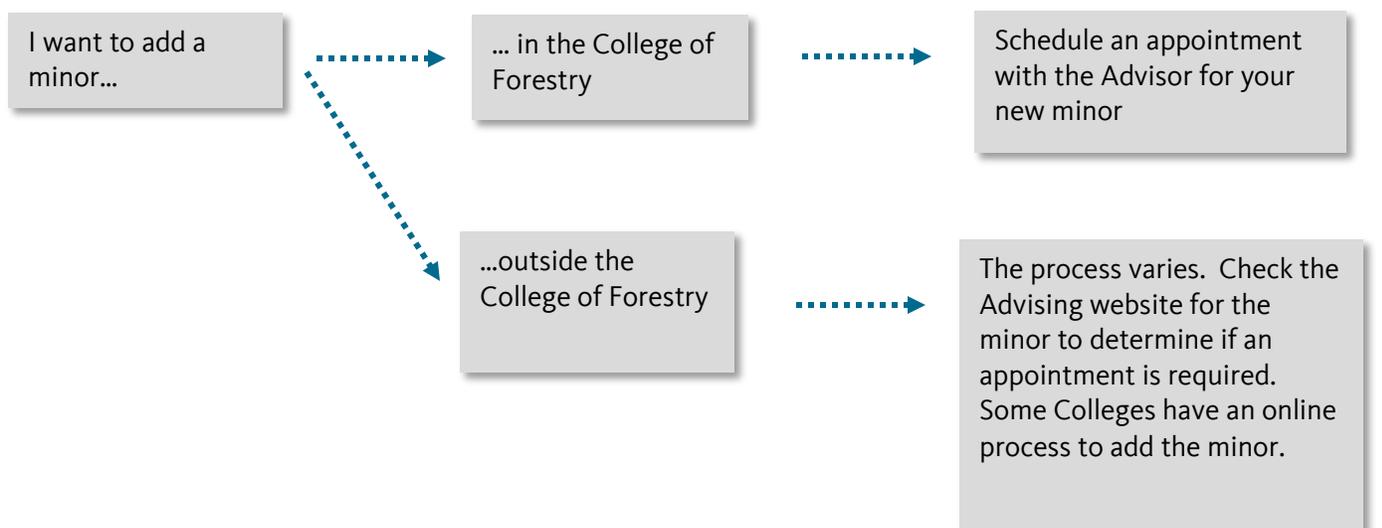
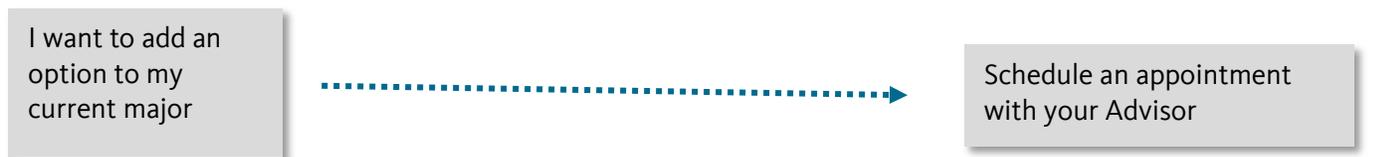
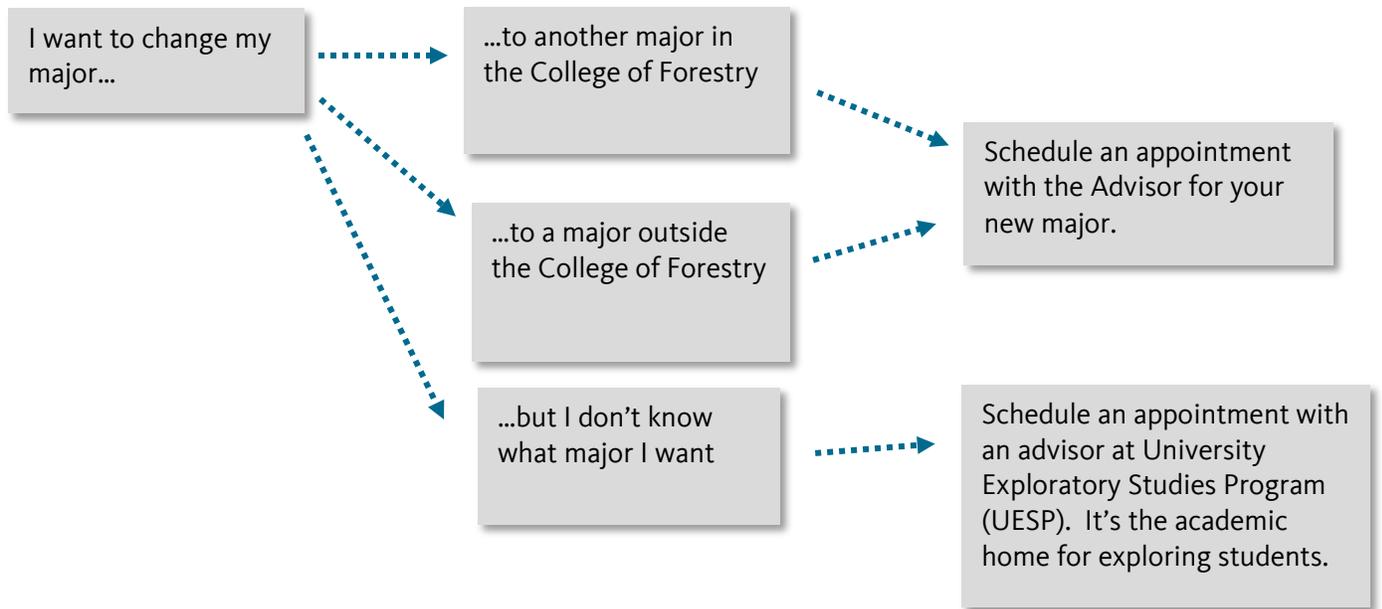
Natural Resources

Renewable Materials

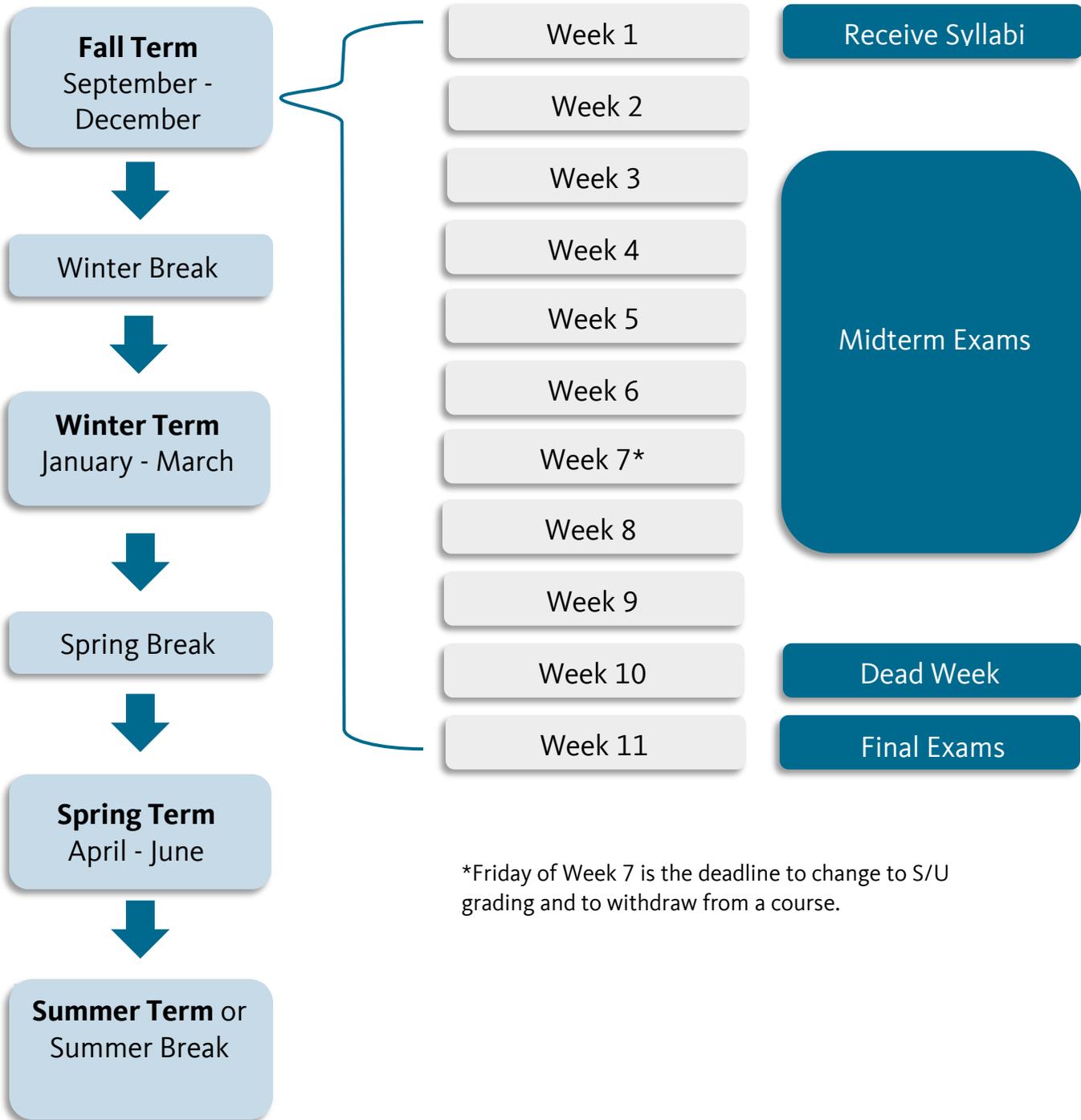


- 3) Click the "Schedule an Appointment with..." link to be directed to your advisor's calendar. Choose an appointment time. You'll receive an email confirming your appointment and a reminder email 24 hours prior to your appointment.

## Changing Your Major



## Anatomy of the Academic Year



\*Friday of Week 7 is the deadline to change to S/U grading and to withdraw from a course.

## Sample Fall Schedule for First Year Students

### What's required for my major?

### My Fall Courses:

<b>Orientation</b> 2-3 credits	Forest/Civil Engr: CCE 101 & FE 101 Forest Engr: FE 101 Forestry: FOR 111 TRAL: TRAL 251 & FOR 111 Ren. Materials: FOR 111 Nat. Resources: NR 201 in winter term	_____
<b>Science</b> 3 - 5 credits	Forest/Civil Engr: CH 201 Forest Engr: CH 201 Forestry: CH 231 & 261 TRAL: FES 240 Ren. Materials: CH 121 Nat. Resources: CH 121 or Biology	_____
<b>Math</b> 4 credits	Based on your placement (see page 50)	_____
<b>Skills Course</b> 2-3 credits	WR 121 – Last Names A – G COMM 111 or 114 HHS 231 and/or PAC course	_____
<b>More Choices</b> 1 - 3 credits	Bacc Core - See pages 7-8 Addt'l major course Elective - examples are music, PAC, foreign language, Military Science, etc.	_____

### Sample Fall Schedule:

	Monday	Tuesday	Wednesday	Thursday	Friday
8am				MTH 111 Rec	
9am	CH 231 Lec	CH 261 Lab	CH 231 Lec		CH 231 Lec
10am					
11am				CH 231 Rec	
12pm	FOR 111 Lec				FOR 111 Lec
1pm	MTH 111 Lec		MTH 111 Lec		MTH 111 Lec
2pm		WR 121	FOR 111 Lab	WR 121	
3pm					
4pm					
5pm					

## ALEKS Math Placement - Understanding Your Results

Your score on a math placement test is the most current and accurate indicator that can be used to help you select an appropriate first mathematics course at OSU. You should have received your score upon completion of the online “ALEKS” math placement test.

### What course can I take?

The table below gives the score ranges needed to place into OSU’s math sequences. You cannot register for a class higher than your placement indicates. Your academic advisor will assist you in identifying the most appropriate math course for fall term, and can answer questions about placement.

ALEKS Placement Score	OSU Math Class
0-14%	Preparatory math course at a community college
15-29%	MTH 065: Elementary Algebra
30-45%	MTH 103: Algebraic Reasoning
46-59%	MTH 111: College Algebra
60-74%	MTH 112: Trigonometry or MTH 241: Calculus for Management & Social Science MTH 245: Mathematics for Management, Life, and Social Sciences
75-100%	MTH 251: Calculus I

### I think I can be successful in a course higher than my placement indicates

If you think you could be successful in a higher course, you can demonstrate your readiness for that course by retaking the placement test. The ALEKS placement test can be taken a second time, but first you must spend a minimum of 3 hours preparing for your retest by working through a learning module (see below). If you retake the test and improve your placement level, you can register for a higher math course. If you need assistance, or have questions about changing your registration, you should contact your academic advisor.

### The ALEKS Learning Module

Every student who completes the ALEKS placement test has 6 months of free access to a learning module in ALEKS to review and practice before starting their OSU math class. The learning module is customized for you by the results of your placement test, so you can work on the areas you will benefit from the most. Your access period starts the first time you access the learning module.

### AP/IB or College-Level Credit for Math

All new students are required to take the ALEKS math placement, even if you have earned college-level credit for a math class via a community college or CLEP/AP/IB exams. You will be allowed to register for the highest math class indicated by your college-level credit OR your ALEKS placement.

### FAQ’s about ALEKS Math Placement

[math.oregonstate.edu/mlc-placement-home](http://math.oregonstate.edu/mlc-placement-home)

# Scheduler

Scheduler is a web-based schedule planning tool for students and advisors. Scheduler helps you search course schedules that work around your busy lives and time commitments. Some features of Scheduler:

- You can use Scheduler on a computer or mobile device.
- You can block off times in your schedule for commitments such as jobs, childcare, or athletics. Scheduler won't search for classes during times you note as "breaks."
- You can compare and choose from multiple, side-by-side schedules of courses that are available for immediate registration.
- Scheduler is also connected to MyDegrees, allowing you to easily pull your active MyDegrees plan created with your advisor into your scheduling process.

More information: [oregonstate.edu/registrar/scheduler](http://oregonstate.edu/registrar/scheduler)

## SCHEDULER

**1 LOG IN**  
Log in at [myosu.oregonstate.edu](http://myosu.oregonstate.edu)  
Click the "Student" tab

**2 LAUNCH "SCHEDULER"**  
Under Registration Tools, click Scheduler

**3 ADD COURSES**  
Import from MyDegrees Plans

**4 ADD BREAKS**  
To Block Off Times You Are Unavailable For Class

**5 GENERATE SCHEDULES**  
Click "Generate Schedules" To See All Possible Schedules

**6 VIEW**  
To See Individual Schedules In Detail

**7 SEND TO SHOPPING CART**  
From the "View" Schedule Screen, Click the "Shopping Cart" Button to Begin Registration

## Registration FAQs

### When can I register for OSU classes?

Registration times are based on the total credit hours you've earned at the time of registration. Those with more credit hours (seniors) will register first, followed by juniors, sophomores, etc. Your exact registration day and time can be found in MyOSU.

### How do I register for classes?

First, you must have an appointment with your Academic Advisor to plan your courses and receive your registration PIN. Appointment scheduling instructions are on page 46. Course registration is accessible via your MyOSU portal. You'll log in with your ONID username and password and select your courses. Instructions and tutorials are available online: [registrar.oregonstate.edu/registration](http://registrar.oregonstate.edu/registration).

### I'm trying to register but I keep getting an error message.

There are a number of reasons this could be occurring and the text of the error message may provide some clues:

- Before registering for a class, you must meet any course **prerequisites and restrictions**. Prerequisites are courses that you must complete prior to the course for which you are registering. For example, MTH 111 is a prerequisite for MTH 112, so you can't register for MTH 112 until you have completed (or are currently enrolled in) MTH 111. A course may be restricted to students in certain colleges, majors, etc. (e.g. INTO). Check the restrictions listed for the course in the Schedule of Classes to determine if you meet the restrictions and prerequisites. It's possible that you meet all the restrictions and prerequisites for a course, but the registration system won't recognize it. **In that case, you should contact the department offering the course to request an override to register.**
- Some courses have multiple sections that are **linked** together. Examples are lectures and labs or lectures and recitations. When registering, you must select a lecture and a lab/recitation for the course. The system will not allow you to register for only one part of a multi-part course.

### Can I take classes at a community college that will count toward my OSU degree?

Yes! Many of your Baccalaureate Core courses can be taken at a community college, and some of the lower-division (100 & 200 level) requirements for your major can be completed there as well. It's important to consult with your OSU academic advisor prior to taking a class to determine which courses can be completed at a community college, and how they will transfer to OSU. Recipients of certain scholarships may be required to take a minimum number of credits at OSU each term/year (COF scholarship recipients are required to be enrolled in at least 12 credits per term, 6 of which must be at OSU).

Students wishing to take multiple courses at a community college are encouraged to enroll in OSU's Degree Partnership Program (DPP). See page 75 for additional DPP information.

If you already have credit to transfer to OSU, you must have an official transcript of those credits sent to the OSU Admissions Office. When the transcript is received your credits will be articulated and appear on your OSU transcript. You may see courses marked as LDT or UDT (lower-division transfer and upper-division transfer) and should consult with your academic advisor to ensure everything has been articulated properly.

### I have a hold on my account. How do I get rid of it?

Students with registration hold are not permitted to register until holds are cleared. When you attempt to register, the registration system will inform you of any registration holds that you have (you can also view your holds in MyDegrees). You should contact the department(s) that placed the hold to have it removed. Holds are commonly placed for unpaid bills, missing immunization records, poor academic performance, or visa requirements (for international students). If you have a hold on your account, but need to make a time-sensitive change to your registration, you can visit the Office of the Registrar for assistance changing your schedule.

### How do I register for CH 231 & 261?

Registration for CH 231 & 261 requires a slightly different process than other courses.

- 1) Through the regular course-search process, select a CH 231 lecture and a CH 231 recitation and click *Add to worksheet* at the bottom of the page. Note the meeting times for CH 231.
- 2) Go back to course search, and locate CH 261. Select one CH 261 lab (that does not conflict with the lecture and recitation you just chose) and click *add to worksheet* at the bottom of the page.
- 3) You'll be returned to the Add/Drop Classes page, and three CRNs will be displayed in the boxes at the bottom of the screen. Click *Register* and you should see CH 231 & 261 added to your course list.

Avoid sections labeled +520 (in the "Restrictions" column on the Schedule of Classes). Those are for Chemistry majors only. Sections labeled LV+06 are only open to international students.

### How do I drop or withdraw from a course?

Students may drop a class without responsibility for the grade through the end of the first full week of classes. Dropping a course removes it from your record completely, and it will not be displayed on your transcript. After the drop deadline courses may not be dropped, but can be withdrawn.

**Withdrawal from Individual Courses** can be done after the drop deadline, and continues through the end of the seventh full week of classes. When a student withdraws from a class a "W" grade is recorded on their transcript. To drop or withdraw from a course:

- Log into MyOSU ([myosu.oregonstate.edu/](http://myosu.oregonstate.edu/)) and open the *Student* tab
- In the *Registration Tools* box, click *Add/Drop Classes* and select the appropriate term
- You should be at a page that reads *Add/Drop Classes*. From the list of classes on this page, find the class you would like to change, then click on the drop down box next to it.
- Select *Drop* or *Withdraw* (depending on the circumstance) from this menu, and then click on *Submit Changes* at the bottom of the page. If the course has more than one part (e.g. a lecture and a lab) you will need to select *Drop* or *Withdraw* next to both sections.
- **(Very Important)** Once you have completed this process, check your schedule again to make sure the change has been made.

**Note:** "W" does not factor into your GPA. Students are allowed a maximum of 12 W's on their transcript.

### How do I get on the Waiting List for a course?

If a course is full, you may have the option to register for a place on the waiting list. Details and video tutorials for waitlisting are available here: [registrar.oregonstate.edu/waitlisting-courses](http://registrar.oregonstate.edu/waitlisting-courses)

### I'm on the Waiting List for a course. What now?

If are on the waitlist for a course it is very important that you monitor your ONID email daily. You will receive email notification when a seat becomes available, and have **only 24 hours** to register for the class! If you do not enroll in the course within 24 hours, you will be removed from the waitlist.

#### **To enroll in the course:**

1. Login to **MyOSU** (main.oregonstate.edu) with your ONID username and password
2. Click on the '**Student**' tab at the top
3. Under '**Registration Tools**' choose '**Add/Drop classes**'
4. Next to the waitlisted recitation use the action column to choose '**register**'
5. Scroll to the bottom of the page, enter the **CRN** for the lecture in the text box
6. Click '**submit changes**'
7. Check that it worked – scroll to the bottom of the page and verify that the course is now listed as \*web registered\* and that you are in the correct number of total credits for the term.

## Academic Difficulty

### If a class isn't going well...

- 1) Consult the Instructor for suggestions about improving your performance. They can answer questions, provide practice problems or study resources, and even connect you with a tutor if you want one.
- 2) Consult your Academic Advisor about options for alternative grading. Depending on the course, and the time in the term, you may be able to change from A-F grading to Satisfactory/Unsatisfactory (S/U) grading. There may also be an option to withdraw from the course. You can find more information about S/U and W grading in the Terminology section (pp. 82-87)

## S/U, Withdraw, or stay A-F?

**Make sure to consult either advising or financial aid before making a change in your schedule:**  
Int'l Students: Visa Issues  
Student Veterans: GI Bill Issues  
Student Athletes: Compliance  
Financial Aid Recipients: PACE

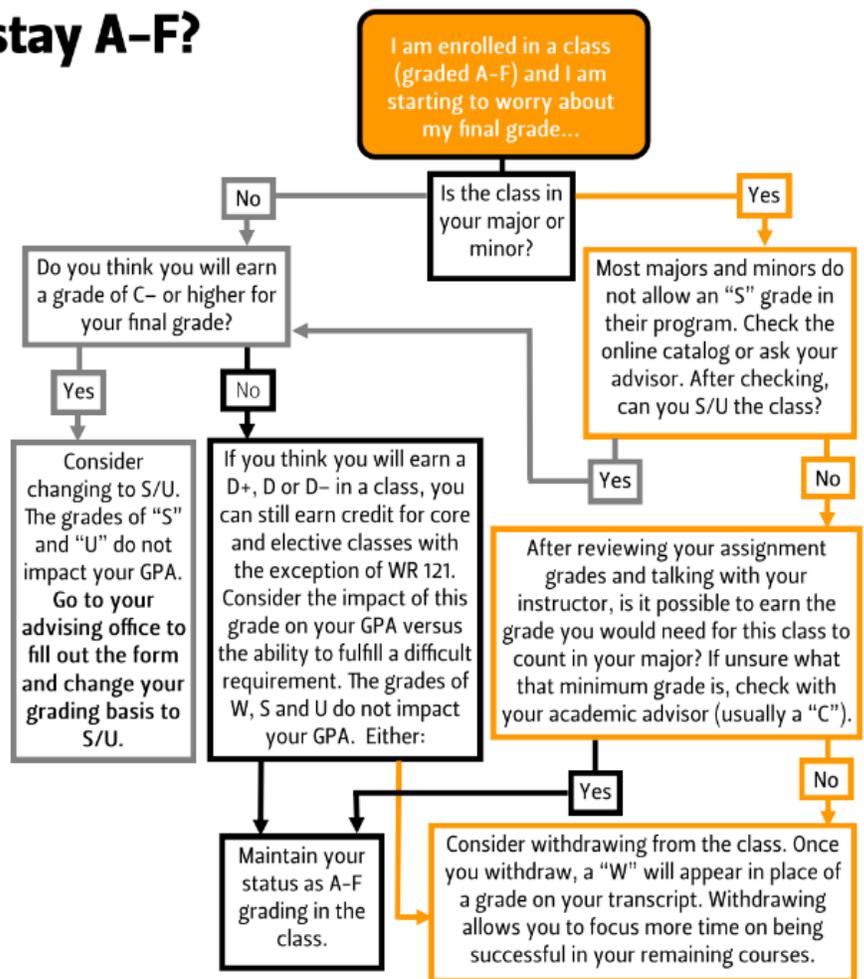
**Deadline:** Students must decide to S/U or W from a class by Friday of the seventh week of the term. This schedule varies for summer term.

**Repeated Courses:** If you repeat an OSU course, the grade from each attempt will appear on your transcript but only the **SECOND** attempt will count toward your credits, requirements, and GPA. AR 20.

**S/U policy:** students may use a maximum of 36 satisfactory, "S," credits toward degree requirements. Grades of A+ through C- will earn the grade of S and credit but the "S" does not impact your GPA. Grades of D+ through F will result in the grade of "U" which will not earn credit or impact your GPA. AR 18.

**Withdraw Policy:** You may withdraw from a maximum of 12 individual classes throughout your undergraduate career at OSU. AR 12.

**Calculate your GPA:**  
<http://oregonstate.edu/registrar/gpa-calculator>

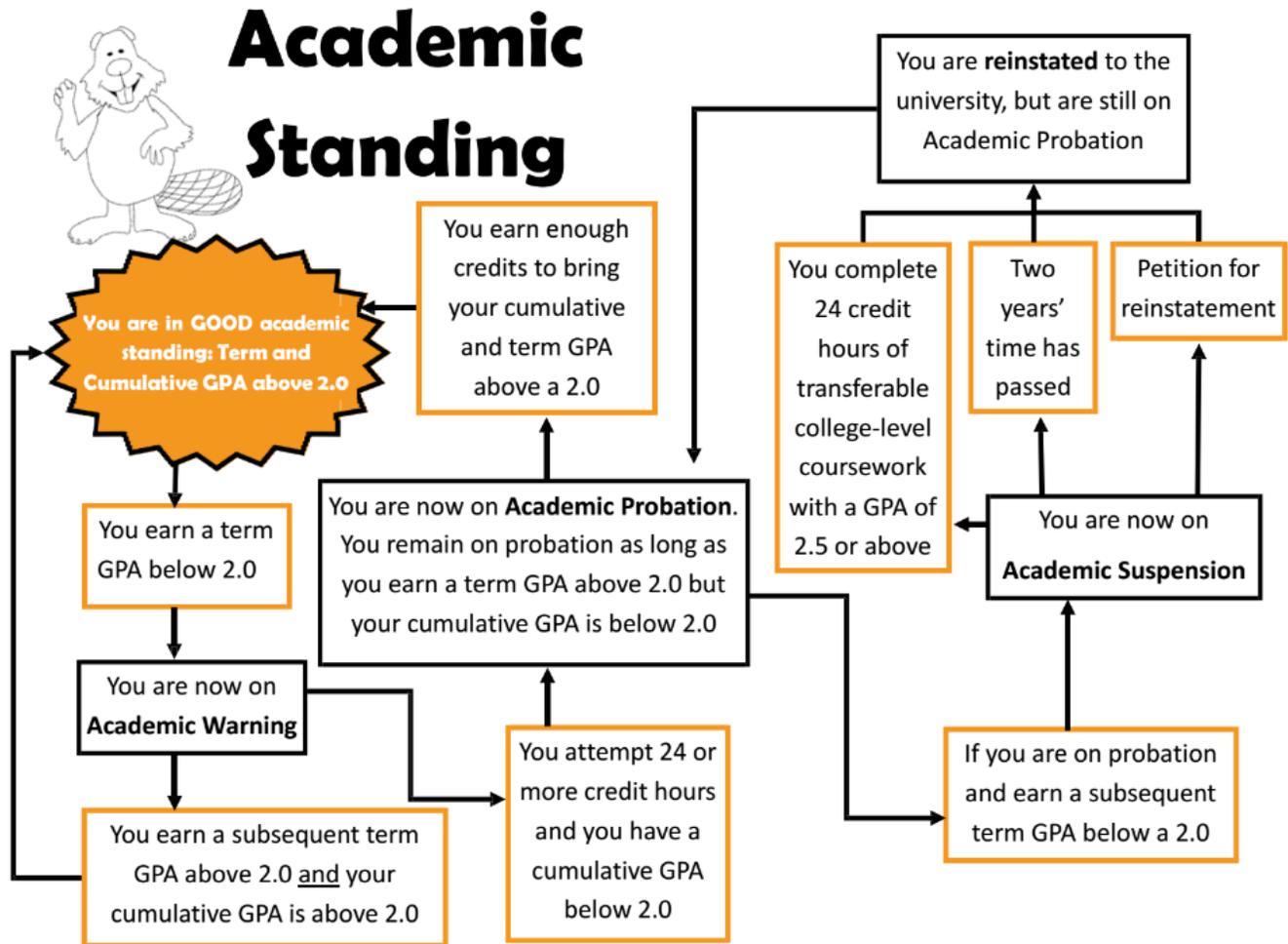


## Academic Warning & Academic Probation

All students begin their OSU career in good academic standing. Keeping your term and cumulative GPAs above 2.00 will help you remain in good academic standing.

In the event that your OSU GPA or term GPA drops below 2.00, you may be placed on Academic Warning or Academic Probation. The full policy is available in Academic Regulation #22: [catalog.oregonstate.edu/regulations/](http://catalog.oregonstate.edu/regulations/)

Students are strongly encouraged to consult with their Academic Advisor if concerns about academic standing arise.



## Resources

### Resources in the College of Forestry:

[undergrad.forestry.oregonstate.edu/advising/academic-resources](http://undergrad.forestry.oregonstate.edu/advising/academic-resources)

- Academic Advisors (pp. 44-46)
- COF Student Resources & Engagement (pp. 58-59)
- College Forests (p. 72)
- Computing Support (p. 73)
- Employment Opportunities (p. 65-66)
- Fernhopper Newsletter (p. 58)
- International Programs (pp. 68-71)
- Self-Learning Center (p.60)

### Online Resources:

[main.oregonstate.edu/](http://main.oregonstate.edu/)

- Canvas (p. 83)
- MyDegrees (p. 86)
- MyOSU (p. 86)
- Google Apps for OSU
- OSU Catalog & Schedule of Classes

### University Resources:

[undergrad.forestry.oregonstate.edu/advising/academic-resources](http://undergrad.forestry.oregonstate.edu/advising/academic-resources)

Academic Calendar	Academic Regulations
Academics for Student Athletes	Academic Success Center (ASC)
Catalog & Schedule of Classes	Career Development Center (CDC)
Collaborative Learning Center (CLC) – Library	Counseling & Psychological Services (CAPS)
Disability Access Services (DAS)	Dean of Student Life
Degree Partnership Program (DPP)	Ecampus
Educational Opportunities Program (EOP)	Financial Aid & Scholarships
Economics Tutors	Math Learning Center
Military and Veterans Resources	Mole Hole (Chemistry Assistance)
Parents & Family Outreach	Office of the Registrar
Statistics Tutors	Student Health Services (SHS)
Student Multimedia Services	Summer Session
Transfer Students	University Honors College (UHC)
Valley Library	Worm Hole (Physics Assistance)
Writing Center	

## Student Resources & Engagement

### COF Student Resources & Engagement:

- Provides services and resources to enhance the educational environment of our undergraduate students
- Collaborates with advisors and faculty in the college to offer co-curricular support
- Administers a \$500,000+ annual scholarship program for COF students
- Supports COF student clubs and organizations
- Coordinates the College's Ambassador program
- Offers professional development and career planning resources and events
- Aids students in developing social, leadership and teamwork skills; enjoying recreational and educational activities; and getting involved and connected within their respective fields
- Provides resources to help students become competent, innovative, and professional members of their fields
- Helps students find meaningful employment by developing a list of agencies, search engines, and our own employment opportunities site
- Produces publications to educate students about the College and the opportunities it presents; and to inform students about news, scholarships, job openings, and educational opportunities



### Fernhopper Newsletter/Blog

[blogs.oregonstate.edu/fernhopper/](https://blogs.oregonstate.edu/fernhopper/)

COF Student Resources & Engagement | Snell 133 | 541-737-1594  
[undergrad.forestry.oregonstate.edu/student-resources-engagement](https://undergrad.forestry.oregonstate.edu/student-resources-engagement)

## COF Student Resources & Engagement - Events & Activities

Annual Ring	Annual Ring is the College's traditional welcome event for new undergraduate students. It's a chance to socialize with fellow students COF faculty and staff. The event includes food, games, and prizes at the Forestry Club Cabin in the McDonald Dunn Forest. Annual Ring is held during Welcome Week (prior to the start of Fall term) and invitations are emailed to new students around Labor Day.
Family Weekend Open Houses	Twice a year the COF opens its doors to welcome our forestry family! During the Fall and Spring Family Weekends, our students and their families have the opportunity to learn about exciting news and recent happenings in our College.
Mentored Employment Program	We are excited to offer a Mentored Employment Program that matches CoF faculty with CoF undergraduate students to offer a variety of research and field experiences to enhance students' professional skills, and provide faculty with research/project assistance. Each year we request proposals from faculty for student employment opportunities. All CoF undergraduate students are eligible and encouraged to apply for these opportunities. Priority funding is available to students from diverse, underrepresented, or underserved backgrounds that enhance a pluralistic community in the College of Forestry.
Job Shadow Program	The College of Forestry provides prospective and current students the opportunity to get an up-close look at various forestry and natural resources careers through a job shadow experience. This program will help students connect with participating employers for a chance to learn more about career paths available after graduation.
Experiential Learning Funding Opportunities	Funds are available through the Office of Student Resources & Engagement to help students access opportunities to participate in programs or events that support educational enhancements, professional development opportunities, and/or leadership experiences. Such experiential education activities may include conference participation, international study experiences, etc.
Lunch with Leadership	College of Forestry students are encouraged to join Dr. Randy Rosenberger, the Associate Dean for Student Success, for lunch once per term. Dr. Rosenberger enjoys meeting with CoF students who would like to share ideas, concerns or just talk about current events in the college. This is a great way to make your voice heard to the CoF leadership team.
Professional Development Workshops	Throughout the academic year, we collaborate with other offices on campus to offer workshops on everything from resume writing and salary/benefit negotiation, to how to apply for state/federal job, and professional social media and email etiquette.
Industry Tours & Forestry Field Trips	Join us each term as we visit a local employer to learn about their company or agency, take a tour of their facilities, and start networking and learning new things!
Career Development Days	Visit with and learn from local, regional, and national employers. Enhance your skills, engage with employers, and energize your job search and your career! Held Spring term.

## Self-Learning Center

The Self-Learning Center (SLC) is a student-focused learning environment that serves the students of the College. In addition to housing course reserve materials, the SLC makes learning tools and small equipment such as whiteboards, computer adapters, handheld magnifying lenses, engineering scales, calculators etc. available for check-out. Wood sample kits are also available for use while in the SLC.

### SLC hours:

Monday – Thursday	8:30 am - 10:00 pm
Fridays	8:30 am - 5:00 pm
Sundays	12:00 pm – 10:00 pm

Locations in Snell 123 & 129

541-737-4160

[cofslc@oregonstate.edu](mailto:cofslc@oregonstate.edu)

[studentservices.forestry.oregonstate.edu/sre/self-learning-center](http://studentservices.forestry.oregonstate.edu/sre/self-learning-center)

## Clubs & Organizations

The College of Forestry supports several student clubs and organizations. Club leaders and contact information are available online:

[studentservices.forestry.oregonstate.edu/sre/student-clubs-organizations](http://studentservices.forestry.oregonstate.edu/sre/student-clubs-organizations)

### Forest Utilization Society (FUSE)

The goal of this student organization is to bring a spirit of fellowship to students, faculty, and employers, and to promote awareness about forest products and forest products issues. Officers include a president, vice-president, secretary/treasurer, and project coordinator. Membership is open to anyone interested in forest products. Activities include social events, hosting guest speakers, and field trips to local companies and mills.



*FUSE Members at the Inter-Club Bowling Tournament*

### Forestry Club

The Forestry Club is primarily an informal social group providing a means for interaction between different majors within the forestry profession, and promoting student interaction and activities with regard to forestry. The club organizes and sponsors numerous intercollegiate events, such as the logging sports team, forester's ball, woodcuts, forestry club Olympics, charity events, ski trips, and outdoor recreation activities. The club also works closely with the College administration to assist with College events.



*Forestry Club Members at Fall Frost*

A current and future aim of the club is to create a closer relationship to the local community by sponsoring charitable fundraisers and donations. The Forestry Club is rich in tradition and has provided many valuable experiences for its members outside the academic arena.

### Forest Stewards Guild

New for 2018-19, the Forest Steward Guild is a student chapter of the national professional organization of forest stewards, associated natural resource professionals, and affiliates who are passionate about restoring and sustaining the integrity of our forests while meeting the needs of the communities that rely on them. All Guild members share a love of forests, and professional members are actively involved in land management.



### Society of American Foresters (SAF) Student Chapter

OSU was granted a charter by the Society of American Foresters (SAF) in the fall of 1980 to form a student chapter. Student members must be undergraduate or graduate students in programs closely related to forestry and natural resources. Both faculty and students are welcome.

The goals of the SAF Student Chapter are to promote professionalism in the field of forestry, encourage interaction between professional foresters and students, provide opportunities for taking part in active forest management projects, and help educate the public about forest resources and their management. In addition, the SAF Student Chapter strives to build fellowship among students and provide an opportunity to openly discuss and debate forestry issues.



*SAF Members represent OSU at their National Convention*

SAF activities include a job fair, managing a Christmas tree farm, hosting guest speakers, participation in community natural resource education, and travel to State and National SAF Conventions.

### Xi Sigma Pi Forestry Honor Society

Xi Sigma Pi, a forestry honor society, was founded at the University of Washington in 1908. The Zeta Chapter was established at OSU in 1921.

The society's objectives are “to secure and maintain a high standard of scholarship in forestry education, to work for the up-building of forestry, and to promote productive relations among earnest workers engaged in forestry activities.”

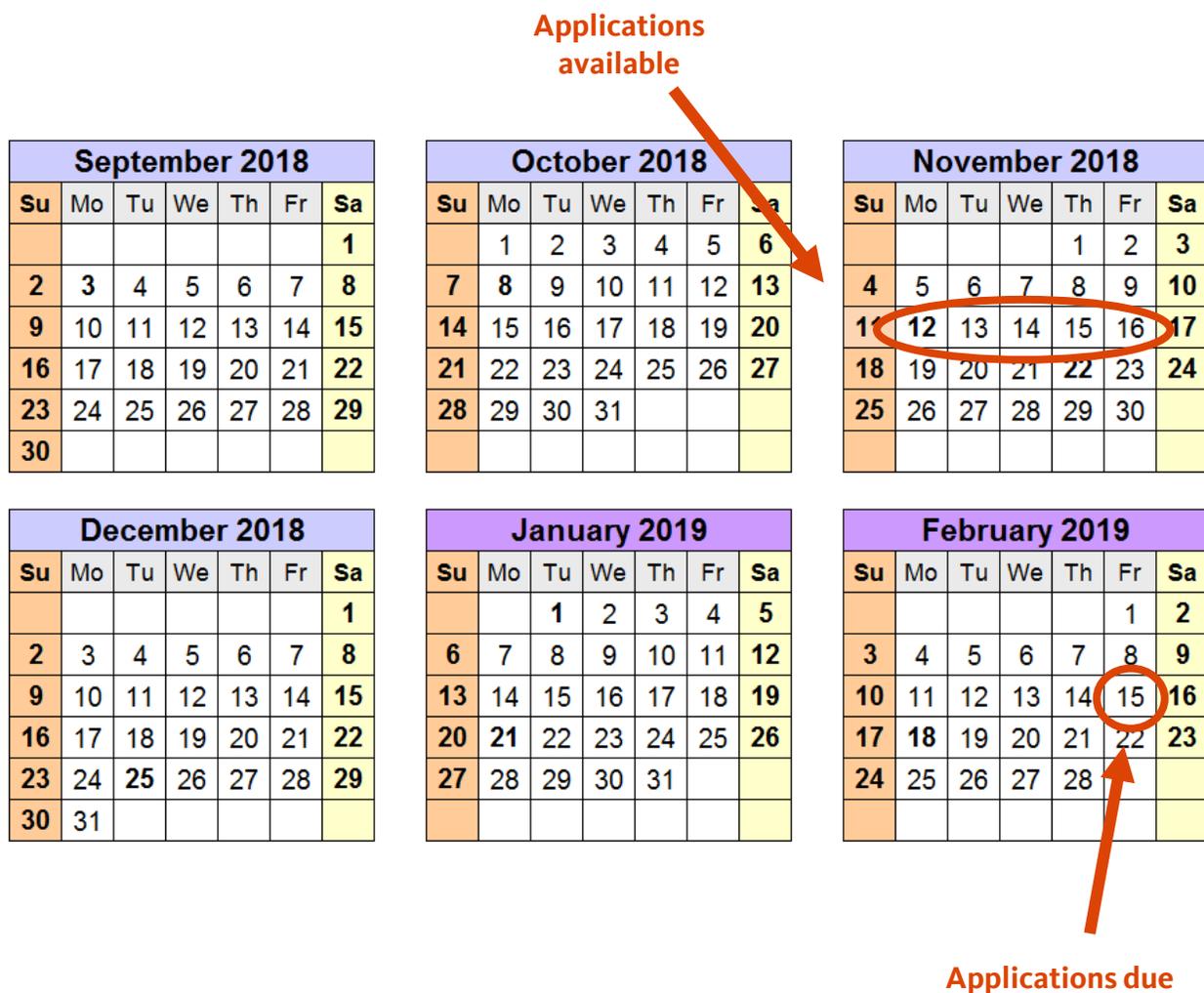


## College of Forestry Scholarships

Through the generosity of our donors, the college awards over \$500,000 in undergraduate scholarships each academic year. Individual awards range from \$1000 to \$11,000. While scholarships are generally based on academic performance, some are specific to need, degree program, or other criteria set by our donors, so all students are encouraged to apply. New and current COF students are eligible to apply for COF scholarships.

Scholarship applications are generally available in mid-November and due on February 15<sup>th</sup>. Additional information and the application are available online: [studentservices.forestry.oregonstate.edu/sre/scholarships](http://studentservices.forestry.oregonstate.edu/sre/scholarships)

### Application timeline for 2019-2020 Scholarships:



## Work Experience Requirement

Students in Forestry, Renewable Materials, Forest Engineering, Forest/Civil Engineering, and Tourism, Recreation & Adventure Leadership must complete a minimum of six months of work experience as part of their degree requirements. Students in Natural Resources are not required to complete work experience, but it is highly recommended. The procedure for documenting completed work experience is as follows:

- 1) Students complete the Work Experience Practicum form available online:  
[workexperience.forestry.oregonstate.edu/](http://workexperience.forestry.oregonstate.edu/)
- 2) Employer evaluation requests are routed to the student's supervisor to evaluate performance and confirm dates of employment and number of hours worked.
- 3) Completed employer evaluations are reviewed and evaluated by a designee from the student's academic department for certification.
- 4) Certified Work Experience Practicum Forms are reviewed and evaluated by your academic advisor, and documented in MyDegrees.

All work experience forms should be completed at least three months prior to your expected graduation date to allow adequate time for employer evaluations and updating of your student record.

**Failure to document required work experience in a timely manner could delay your graduation.**

## Employment Opportunities

### Position Announcements

Seasonal, internship, part-time, and full-time job announcements are posted on the COF jobs page.

College of Forestry jobs page: [jobs.forestry.oregonstate.edu](http://jobs.forestry.oregonstate.edu)

Job Search Resources: [studentservices.forestry.oregonstate.edu/sre/job-search-resources](http://studentservices.forestry.oregonstate.edu/sre/job-search-resources)

Handshake (all off-campus jobs): [career.oregonstate.edu/handshake](http://career.oregonstate.edu/handshake)

### Job Fair

The student chapter of the Society of American Foresters (SAF) hosts an annual job fair for College of Forestry students. Over 50 employers from private industry and public agencies send representatives to the job fair in search of interns, volunteers, seasonal workers, and part- or full-time employees. The Job Fair is held in fall term.

[studentservices.forestry.oregonstate.edu/sre/osu-student-chapter-society-american-foresters-saf-job-fair](http://studentservices.forestry.oregonstate.edu/sre/osu-student-chapter-society-american-foresters-saf-job-fair)

### Career Development Days

This event offers opportunities for networking with employers, learning from alumni, and investigating employment opportunities from regional agencies, non-profits, industries, and others. Even if you arrive at the event unsure of your career path, we think you'll leave feeling inspired and excited about the multitude of opportunities and directions available to you.

### On-Site Interviews

The College of Forestry provides employers the opportunity to conduct interviews with students at the College. These opportunities are announced in the Fernhopper Newsletter (p. 58).

### Career Development Center Appointments and Drop-In Hours

OSU's Career Development Center provides access to their resources in the College of Forestry.

Whether you want to explore career options, talk about internships, practice interviewing, or get help with your resume and cover letter, Britt Hoskins will assist you.

Britt Hoskins, College of Forestry Career Liaison

Strand 130D

541-737-4085

Appointments via Handshake ([oregonstate.joinhandshake.com/login](http://oregonstate.joinhandshake.com/login))

You can also drop in to the Career Development Center in the first floor of Kerr Administration.

Hours are 9am – 4pm, Monday – Friday.

## Career Development Center

### College of Forestry Career Development, Advising and Open Jobs!



Did you know that the College of Forestry has a dedicated career advisor? You can make appointments with **Britt Hoskins** in Handshake.

Come in for resume/cover letter help, job searching strategies, career exploration, practice interviews — whatever you need to prepare for your career, get internships or just to explore. She also has weekly open drop-in hours.



Don't forget about drop-ins in the main Career Development Center, Kerr Administration Building, first floor. Someone is standing by to help with your resume and cover letter: 9 a.m. to 4 p.m., Monday through Friday. No appointments necessary!



### Get Hired With Handshake

Did you know the platform is used by  
**200,000+ employers?**

- Explore thousands of jobs and internships
- Track application deadlines
- Connect with employers
- Research career opportunities
- Sign up for OSU career events
- Arrange interviews



### How to Get Started

- 1. Login with your ONID**  
[oregonstate.joinhandshake.com](https://oregonstate.joinhandshake.com)
- 2. Update Your Profile**  
Include as much relevant experience as possible (jobs, projects, volunteering, coursework).
- 3. Make Yourself Public to Employers**  
Click "Settings & Privacy," then "Allow employers to be able to find and view my profile," then "Save Update".
- 4. Set Notification Preferences**  
Click "Notifications" and "Edit Notification Preferences" to choose when you want to hear from Handshake.
- 5. Find Jobs**  
Under "Jobs" tab, click "Filters" button. Search by employer industry, job type, location, etc. Many jobs never get applications. Don't miss out!
- 6. Register for Career Events**  
Use "Events" tab to register for career expos, workshops and college-specific events at no cost.

## Experiential Education

The College of Forestry offers several different programs designed to allow students to gain experience in the fields of forestry and natural resources and to develop relationships with faculty and staff.

[studentservices.forestry.oregonstate.edu/sre/experiential-education](http://studentservices.forestry.oregonstate.edu/sre/experiential-education)

### SEEDS – Strengthening Education & Employment for Diverse Students

The College of Forestry is an inclusive community that values and respects all of our students and their contributions to the diversity that we enjoy in the College. SEEDS is a virtual community within the College whose mission is to support students' academic and career successes. We do this by promoting and supporting mentored experiential learning, and by helping students to network and find resources. Often we provide programs that support cohorts within the College who may be underserved in higher education or in the community and who would uniquely benefit from SEEDS experiences.

[seeds.forestry.oregonstate.edu/](http://seeds.forestry.oregonstate.edu/)

### Mentored Employment Program

Through generous support from forestry friends, alumni, and other stakeholders, this program helps undergraduate students form meaningful professional relationships with faculty through mutually beneficial and rewarding research experiences. Any undergraduate or post-baccalaureate student in good standing, enrolled in any COF undergraduate degree program, on any campus, can apply. In addition, any faculty member currently affiliated with the College of Forestry who wants to mentor undergraduates can propose a project, and, if the project is selected, the work experience coordinator will match a student interested. Funding is provided through the program's resources.

These experiences are typically take place during the academic year, and are less than 10 hours per week. Projects are chosen during fall term, begin as early as winter term, and last no longer than a year. Projects are supported if they clearly benefit both the student and the faculty member and contribute to the mission of the College of Forestry (teaching, research, outreach, Extension, and service). Please contact Brooke Harrington (541-737-1593, [brooke.harrington@oregonstate.edu](mailto:brooke.harrington@oregonstate.edu)) for details.

## International Opportunities

### Broaden Your Horizons: Study, Intern, Research Abroad

**Kerry Menn**, International Programs Coordinator  
Richardson 238 | [Kerry.menn@oregonstate.edu](mailto:Kerry.menn@oregonstate.edu)

**Michele Justice**, Director of International Programs  
Richardson 201D | [Michele.justice@oregonstate.edu](mailto:Michele.justice@oregonstate.edu)  
[international-programs.forestry.oregonstate.edu/](http://international-programs.forestry.oregonstate.edu/)  
[forestry.oregonstate.edu/international](http://forestry.oregonstate.edu/international)

It goes without saying that forestry is a global field; whether you're learning about strategies in forest management, investigating sustainability in forest ecosystems, interested in the connections between people and forests, or focused on innovative development in wood technology, you're going to want to know what's going on worldwide. The COF strongly believes that international experience is critical to your education, and is dedicated to making international experiences accessible and affordable for its students. Whatever your major or financial situation, we will work with you to find the exchange, study abroad, research or internship opportunity that meets both your needs and goals.

Providing international experiences to our students is a core value to our College, and these experiences can greatly influence both the mindset of our students and the marketability of their degrees.



*Auna Godinez, Renewable Materials  
Peruvian Amazon*

At first, international study might appear to be outside the financial reach of many students, but that is not really the case. For all of our students, both scholarships and financial aid can be applied to international programs; COF has set aside funding specifically for this type of experience. For non-resident and international students, these opportunities can be even more affordable, as they are often close in price to current in-state tuition. Visit the International Scholarship Resources page to learn more about funding opportunities for international experiences through the College of Forestry ([forestry.oregonstate.edu/international/international-scholarship-resources](http://forestry.oregonstate.edu/international/international-scholarship-resources)).

Options include joining College faculty abroad for a few weeks over the summer, studying for a term during the school year, participating in an international internship, or conducting research overseas.



*John Bliss, Forest Ecosystems @ Society  
Emeritus  
Malaysian Borneo*

“...to anyone thinking about studying abroad – stop thinking about it and make it happen! My decision to study abroad has been the single most important educational and life decision I have made for myself.”

*Dylan Dripps, Renewable Materials  
Exchange student at Ecole Superieure du Bois in Nantes, France*

## Program Types

**Faculty-led programs:** Generally, one to four weeks in length with a specific thematic focus, OSU faculty leads these programs during the summer, winter break, and spring break. Some may include studying with peers or faculty from partner universities abroad. The College of Forestry offers several of these programs each year, with programs to Malaysian Borneo and Chile, and a rotating location occurring each year.

**International Internships:** International internships are available through the College of Forestry and through IE<sub>3</sub> Global Internships. Most internships are a minimum of ten weeks in length, and are available in a host of countries. These internships satisfy College work experience requirements.

**Exchange programs:** Typically semester or academic year experiences, where students are integrated into host university academic model and student community. Offers the broadest range of available courses, among the most affordable opportunities (for the number of credits earned/duration of time abroad), as cost is based on outgoing OSU students paying their home campus. A few of our key exchange partners include the University of Canterbury, New Zealand; École Supérieure Du Bois, France; and the University of British Columbia, Canada.

**Study Abroad programs:** Programs of any length, where students are taught at a study center or other location in a group comprised of only American (or international) students, or they may be integrated into an overseas host institution.

**Service Learning programs:** Overseas programs that involve hands-on outreach to a community or organization. Service learning programs are almost always coordinated as group experiences, and several are offered by OSU.

## Program Durations

**Short-term:** Faculty-led programs make up the majority of short-term programs (typically one – four weeks). These programs may have a single location, or travel to different sites. Most of these occur during the summer.

**Term programs:** International internship opportunities within the College of Forestry span 1-2 terms in duration and usually align with the OSU quarter system calendar. Outside of the College of Forestry, some providers have programs that last a ten-week term, and are designed to align with OSU's academic calendar. The majority of these are OSU institutional study abroad programs.

**Semester programs:** As a large proportion of universities worldwide are on a semester system, the majority of exchange programs, and many study abroad programs are linked to this model. For OSU students, this generally means that students studying abroad in the Fall are away for one term, and those abroad for the Spring are gone Winter and Spring terms from OSU.

**Year-long programs:** Most exchanges and study abroad programs are able to accommodate students for an entire academic year.

## Program Providers

**College of Forestry:** The College offers a range of exchanges, faculty-led programs and internships specifically designed for Forestry students.

**Oregon State University:** Exchanges and faculty-led programs are also developed on a university-wide basis and by other Colleges within the University.

**IE<sub>3</sub> Global:** IE<sub>3</sub> Global provides internship, research, exchange, and faculty-led programs to students throughout the Northwest and beyond.

**Co-Sponsored Program Providers:** Organizations (profit and non-profit) external to OSU that have been approved by OSU to offer study abroad programs to OSU students. Providers offer the full range of program experiences listed above, with the exception of exchanges. These include SIT, CIEE, API, Semester at Sea, and several others.

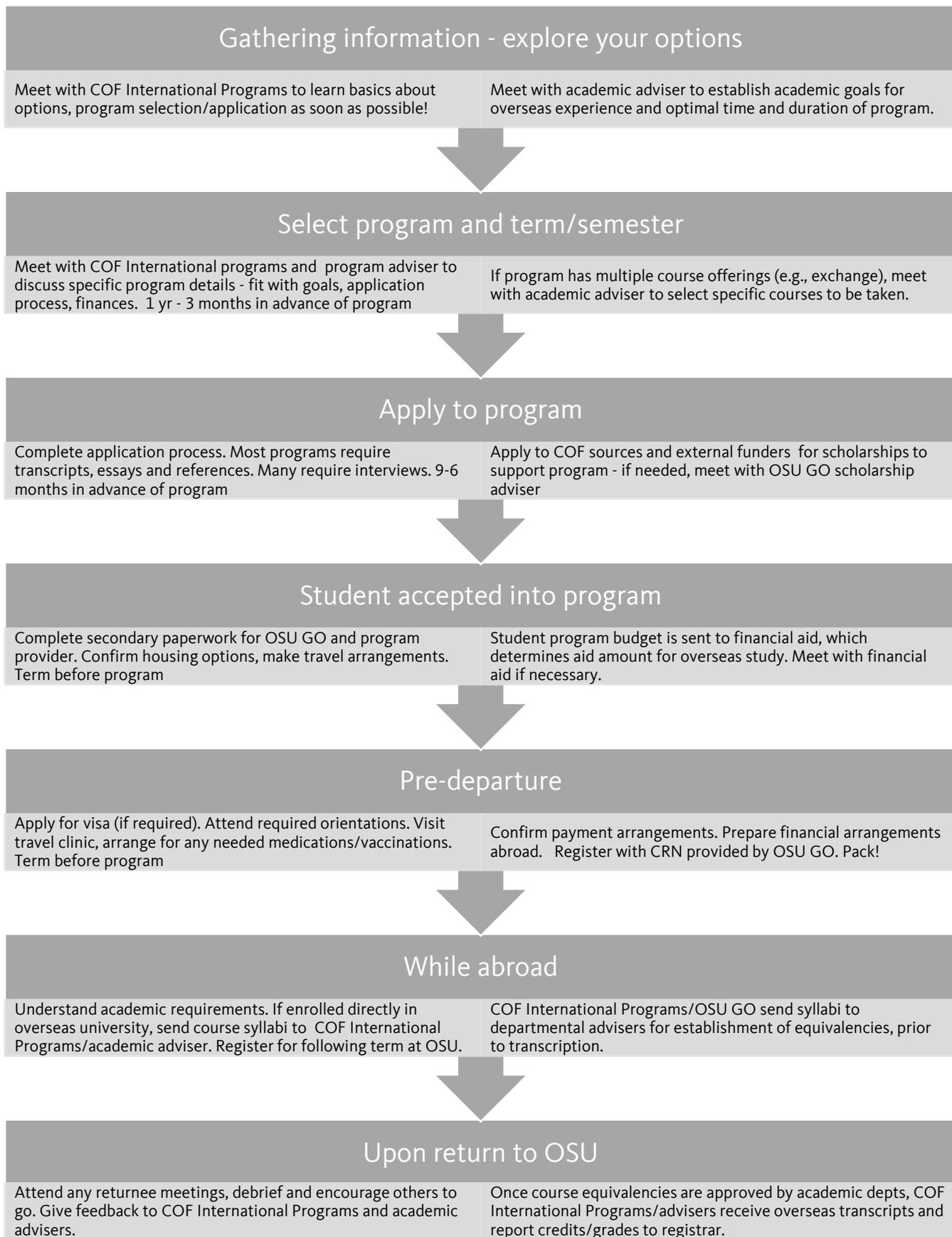


Forest Engineering and International Degree student Jessica Kessinger interned in British Columbia. “Living and working in Canada broadened my perspective of forestry and sense of being a global citizen. The independence required when living abroad pushed my comfort levels and tested me in ways I did not foresee. This internship...helped me better identify where I see myself as a professional.”

Natural Resources student Sara Rose studied Forest Conservation and Biodiversity in Malaysian Borneo as part of a College of Forestry faculty-led program, staying on afterward for an internship.



Forest Management and Forest Engineering students Brad Pfeifer and Zach Leslie interned for 13 weeks in New Zealand with the *Scion Research Institute*. Zach Leslie then went on to continue his international work and study experience in Chile at the Universidad Austral de Chile.



## Teaching & Research Forests

The College owns and manages land in several forests around the region. Most notable is the McDonald-Dunn Forest located five miles north of Corvallis. Over 11,000 acres of land in the McDonald-Dunn are dedicated to research, teaching, demonstration and education. Students will visit the forest for class activities, labs, and recreation opportunities.

There are many opportunities for students to be involved at the OSU research forests. Student workers/interns are routinely hired to help with management, and opportunities are posted in the Fernhopper. Students are encouraged to use the forest for class projects, and to contact any of the College Forest staff for support.

Opportunities frequently arise to volunteer with trail construction and maintenance, invasive species removal, and landscaping. Students can sign up for our e-mail list to get forest updates and volunteer opportunities.

[cf.forestry.oregonstate.edu/](http://cf.forestry.oregonstate.edu/)

### Contacts:

Ryan Brown  
Recreation and Engagement Program Manager  
541-737-6702  
[Ryan.brown@oregonstate.edu](mailto:Ryan.brown@oregonstate.edu)

Matt McPharlin  
Recreation Field Coordinator  
541-737-6730  
[matt.mcpharlin@oregonstate.edu](mailto:matt.mcpharlin@oregonstate.edu)



*Forest Director, Steve Fitzgerald, takes a group of students on a forest tour*

## Computing Support

College of Forestry students have access to support through the Forestry Computing Helpdesk.  
[helpdesk.forestry.oregonstate.edu](http://helpdesk.forestry.oregonstate.edu)

Richardson 215

541-737-2152

Monday - Friday, 8:00am - 6:00pm

**Computer Lab Locations:** Richardson 203, 207, 313, and Snell 123, 129

### Computer Buying Guide:

If you are planning to upgrade or purchase new computer hardware such as laptops, software, or accessories, we encourage you to consult with the Forestry Computing Helpdesk. COF staff is willing to assist you with your purchase to ensure that you order the correct equipment that matches both our support requirements and your computing needs.

#### Recommended Desktop

**Processor:** Intel® Core™ i7 Quad Core 7770 (3.60GHz, 8M)

**Memory:** 16.0GB DDR4 Non-ECC SDRAM, 2400MHz, (4DIMM)

**Keyboards:** USB Keyboard, No Hot Keys

**Video Card:** 1 GB ATI or Nvidia, Dual Monitor DVI or DP

**Boot Hard Drives:** 240 GB SSD or larger

**Floppy Drive:** No Floppy Drive

**Operating System(s):** Genuine Windows® 10 Professional

**Mouse:** USB 2-Button Optical Mouse with Scroll

**Integrated Network Adapter (NIC):** Integrated Gigabit (10/100/1000)

**Removable Media Storage Devices:** 8X Slimline DVD+/-RW

**Audio Solutions:** Integrated AC97 Audio

**Hardware Support Services:** 3 Year Limited Warranty plus 3 Year NBD On-Site Service

#### Recommended Laptop

**Processor:** Intel® Core™ i5-8400H (2.5GHz, 8M cache)

**Display:** 14 inch Wide Screen (1366x768) LED Display

**Video Card:** 512MB NVIDIA NVS 3100M

**Memory:** 8.0GB, DDR4-2666 SDRAM, 2 DIMMS

**Hard Drive:** 240 GB SSD or larger

**Operating System:** Genuine Windows® 10 Professional

**AC Adapter:** 90W AC Adapter

**Module Bay Devices:** 8X DVD+/-RW

**Wireless Networking Options:** Wireless™ 802.11AC dual band Card

**Batteries:** 4Cell Primary Battery

**Carrying Case:** Large Nylon Carrying Case

**Hardware Support Services:** 3 Year Limited Warranty plus 3 Year NBD On-site Service and Accidental Damage Coverage

# Diversity, Equity & Inclusion in COF

## Diversity, Equity, and Inclusion (DEI)

The need for direct, active and honest attention to equity, inclusivity and diversity is as urgent today as ever. Our world faces social, economic and environmental challenges of unprecedented complexity and scale. The College of Forestry is committed to addressing those challenges in the realm of forestry and natural resource management - whether it be through education, research or public engagement. We intend to draw fully and inclusively on the power and force of human imagination, experience and creativity to meet the needs of today's world.



### OSU DEI VISION

Oregon State University aspires to be a collaborative, inclusive and caring community that strives for equity and equal opportunity in everything we do; that creates a welcoming environment and enables success for people from all walks of life; and that shares common, fundamental values grounded in justice, civility and respect while looking to our diversity as a source of enrichment and strength.

### OSU DEI PRINCIPLES

We are steadfast in our pursuit of equity, inclusion, and diversity. These commitments are central to our OSU mission—to foster academic excellence, to build healthy communities, and to improve the quality of life at our university and throughout the world.

### COF DEI VISION

The College of Forestry aspires to create an environment in which all members of the community feel safe, respected and free at all times to participate in various undertakings of the college including learning, teaching, administration and research.

### COF DEI MISSION

The College of Forestry will embrace the distinctive qualities of all members of the community. We recognize that equity, inclusion and diversity are foundational values of OSU as an institution and pillars of excellence, enhancing all of the College's missions.

An inclusive university community is achieved and sustained by seeking a diversity of people and perspectives, valuing our differences and ensuring equitable opportunities. We are guided by the interdependent principles of Inclusion, Equity, and Diversity.

For more information, visit our website at [www.forestry.oregonstate.edu/diversity](http://www.forestry.oregonstate.edu/diversity)

## Degree Partnership Program

Through OSU's Degree Partnership Program (DPP), you can be jointly admitted and eligible to enroll concurrently at Oregon State University and any of our community college partners. Students complete a single admission application and must meet OSU's standard admission criteria. DPP students can stay at their community college for up to 10 terms before enrolling in OSU classes, but maintain their active student status at OSU.

### Benefits of DPP:

- Concurrent enrollment at OSU and the community college
- Access to 100 and 200-level courses (online or on-campus) at OSU and the community college, providing scheduling flexibility and tuition cost savings.
- Work with your community college advisor and your OSU advisor at the same time
- One application and one application fee
- Financial aid counts enrollment at both institutions for the same term (for qualified students)
- Increased flexibility in scheduling with access to more classes through the community college, on site at OSU, and with online courses offered through the OSU Ecampus
- Access to libraries, computer labs, and other services on both campuses (subject to an additional fee)
- Eligibility to live in on-campus residences and participate in campus dining plan.
- Transcripts automatically sent from the partner college to OSU at the end of each term

### Community College Partners

Blue Mountain Community College	Linn Benton Community College
Central Oregon Community College (OSU Cascades only)	Mt. Hood Community College
Chemeketa Community College	Oregon Coast Community College
Clackamas Community College	Portland Community College
Clatsop Community College	Rogue Community College
Columbia Gorge Community College	Southwestern Oregon Community College
Hawaii Community College (Big Island)	Tillamook Bay Community College
Kapi'olani Community College (Oahu)	Treasure Valley Community College
Klamath Community College	Umpqua Community College
Lane Community College	University of Hawaii, Maui College (Maui)

### To apply for DPP:

Students who are already admitted to OSU fill out a short application to add DPP. Application instructions are available here: [partnerships.oregonstate.edu/newly-admitted-current-students/application-instructions](https://partnerships.oregonstate.edu/newly-admitted-current-students/application-instructions)

### More Information:

1-800-291-4192

[oregonstate.edu/partnerships/](https://oregonstate.edu/partnerships/)

## New Peavy Hall - Coming Summer 2019!

### COLLEGE OF FORESTRY



# OREGON FOREST SCIENCE COMPLEX

## PROJECT DESCRIPTION

Oregon State University and the College of Forestry officially launched a \$79.5 million initiative in January 2015 to build the Oregon Forest Science Complex. Once completed, the state-of-the-art facility will provide current and future students with a transformative educational experience across a full range of degree programs. The existing Peavy Hall will be replaced with expanded and innovative classrooms and laboratories, as well as new public spaces supporting student learning and continuing education programs.

A separate portion of the complex facilities will include the A.A. "Red" Emmerson Advanced Wood Products Laboratory and will house sophisticated manufacturing systems, a "high-bay" lab with a unique strong floor for full-scale product testing, and a "design" lab to support interdisciplinary education programs. The lab will serve as the home for the new TallWood Design Institute, a collaboration between the OSU College of Forestry, OSU College of Engineering, and the University of Oregon School of Architecture and Allied Arts to drive commercialization of new and innovative wood products in buildings.

The complex will demonstrate innovative uses of wood in building design and showcase different engineered wood products and materials made in Oregon, reinforcing Oregon State's international status as a premier forestry program.

## PROJECT GOALS

- Renew the built environment of the College
- Build modern research and teaching space to recruit students to the college and to forestry careers
- Grow opportunities for undergraduates in research, professional practice and collaborative learning
- Honor the legacy of the forestry profession
- Promote OSU/UO collaboration to position the State of Oregon as a hub for innovative and sustainable building design utilizing new wood products
- Eliminate \$6M to \$10M in deferred maintenance on existing Peavy Hall
- Showcase Oregon's forest products industry and support growth of manufacturing capacity in timber-dependent rural communities

## PROJECT INFORMATION

Completion Date: Spring 2019

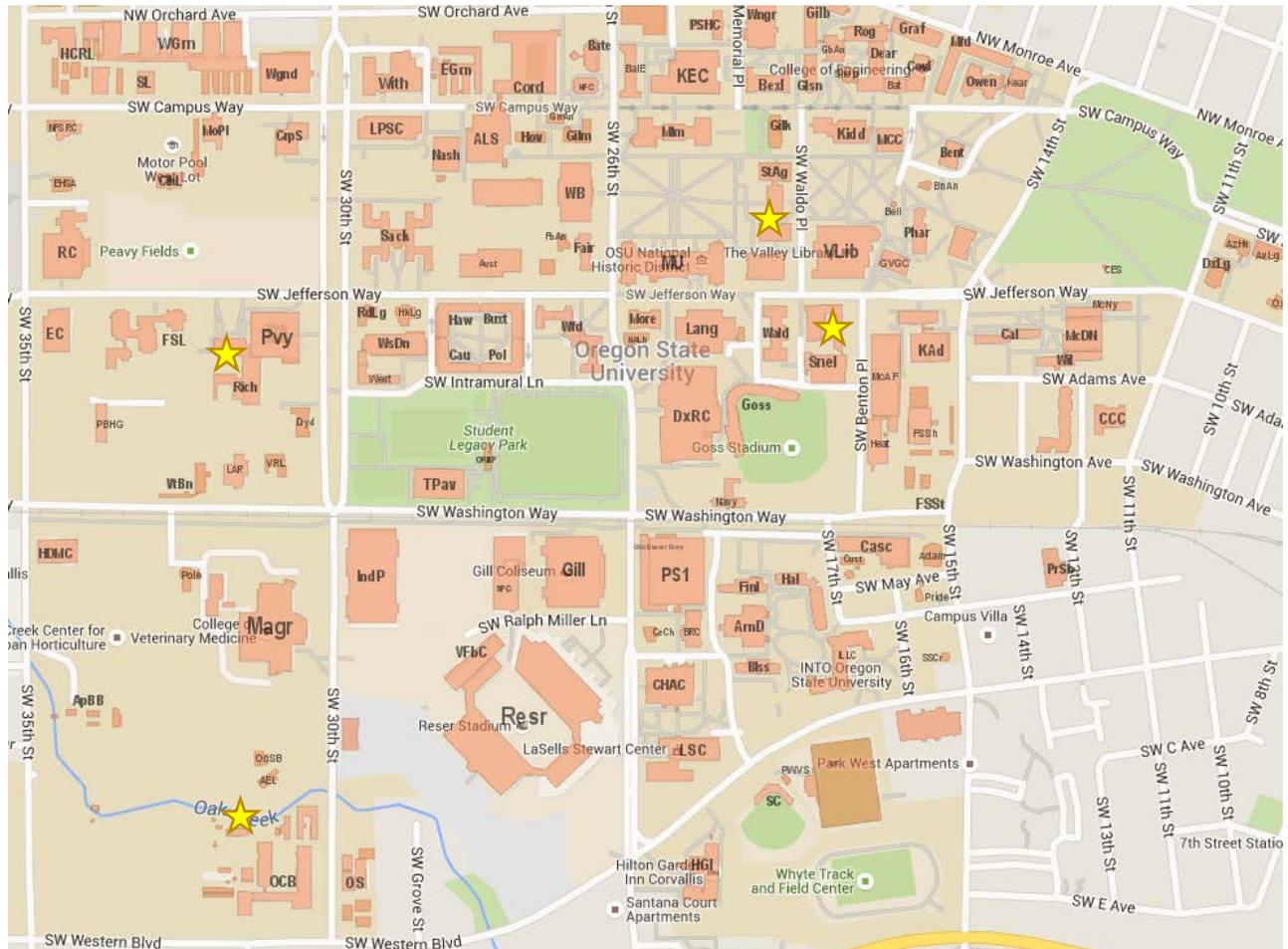
Budget: \$79.5 million

Size: 95,000+ square feet

Project funding: Public/private partnership equally-funded by donations from members of the forest industry and state construction bonds

# College of Forestry Locations

## ★ College of Forestry Locations



Office/Staff Member	Location
Dean's Office	Richardson 109
Randy Rosenberger, Associate Dean	Snell 407
Academic Advisors	Snell 4 <sup>th</sup> Floor
FERM Department Office	Snell 210 & 211
FES Department Office	Richardson 321
WSE Department Office	Richardson 119
COF Student Resources & Engagement	Snell 133
Self-Learning Center (SLC)	Snell 123 & 129
Equipment Room	Portable trailer on Richardson Hall Lawn (Jefferson St)
Michele Justice, International Programs	Richardson 201D
Business Center	CEOAS Building
Forestry Computer Labs	Richardson 203, 207, 315, and Snell 123, 129

# College of Forestry Policies

## Personal & Professional Requirements

Students are personally responsible for fulfilling all curricular requirements in proper sequence. Work performance and personal conduct are thoroughly appraised by the college. In order to prepare for the ethical standards expected in the workplace, students are responsible for observing the Oregon State University Student Code of Conduct. Departure from these requirements may result in removal from the college.

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## Professional Conduct in the College of Forestry

[studentservices.forestry.oregonstate.edu/sre/conduct-standards](http://studentservices.forestry.oregonstate.edu/sre/conduct-standards)

The College of Forestry is a community of faculty, staff, students, and stakeholders that stretches across all spectrums. Every member of the College community is responsible for conduct that creates, promotes, and maintains a learning and work environment that is open to and welcomes all persons. As a community, we embrace each member through the acknowledgement, honoring, and celebration of our commonalities and our differences.

The foundation for maintaining this environment requires that all persons must treat all others with dignity and respect at all times. The College fully supports the mission and goals of Oregon State University and affirms its support of the University policy against discrimination ([eoa.oregonstate.edu/](http://eoa.oregonstate.edu/)), as well as the University's policies on honesty, ethics, and substance abuse (available from the Office of the Dean of Student Life).

College of Forestry students are expected to conduct themselves in a manner that is honest, civil, courteous, and responsible in order to foster a learning environment and to practice behavior that is acceptable in the professional workplace.

Forestry students will use only authorized sources of information in completing their exams and assignments, will honestly report all sources (and references) for work submitted, and will not assist others in using unauthorized sources or in misrepresenting the sources they use. (Copying from others' exams, submitting dry-labbed data, and plagiarism are example violations.)

Forestry students will participate in classroom, lab, or field activities, and participate in groups with whomever they are assigned. Students and instructors will be respectful of the dignity and diversity of individuals, and strive to build constructive relationships with other students and instructors. Students will avoid disruptive and discourteous behavior such as coming to class late, talking at inappropriate times, using cell phones, or monopolizing class time. Students and instructors will make safety a priority in class and field activities, and will always use/operate equipment (including vehicles and tools) in a safe and legal manner. During class activities\*, students, faculty, and staff will completely abstain from the consumption of illegal drugs and alcohol, and be free from their influence. During other COF-sponsored activities\*\*, students, faculty, and staff of legal drinking age will act responsibly and moderately when consuming alcohol.

Students are expected to adhere to the policies described in "Living Within the Acceptable Use Policy" regarding use of Forestry computing resources ([helpdesk.forestry.oregonstate.edu/living-within-acceptable-use-policy?destination=node/2242](http://helpdesk.forestry.oregonstate.edu/living-within-acceptable-use-policy?destination=node/2242)).

## Conduct Violations

Violations of acceptable conduct not only affect the persons directly involved, but the community as well. Our goal is to first address violations through education where effective. However, the College treats all violations as serious and will follow with disciplinary actions when necessary. All violations of the drug and alcohol rule must be reported and will be acted upon. The College adheres to University policies and procedures as established and administered by the OSU Office of the Dean of Student Life - Student Conduct and Community Standards ([studentlife.oregonstate.edu/studentconduct](http://studentlife.oregonstate.edu/studentconduct)).

## Definitions

\* A **class activity** is any scheduled activity associated with a course, including lectures, labs, and field trips. This includes overnight field trips, field school, Starker Lecture dinners, and applies to students, faculty, and staff. It does not include activities done independently by students, such as studying for classes, working on independent study classes, theses/dissertations, or internships.

\*\* A **COF-sponsored activity** is any activity that is held on or off-campus that is funded or organized by the College of Forestry, or that is attended by COF faculty, students or staff using any COF funds.

The definition of **student** is any matriculated undergraduate or graduate student. The policy applies to all students taking COF classes or attending COF-sponsored events, whether they are Forestry students or not.

## Differential Tuition

Differential tuition is a surcharge added to a student's base tuition. The COF experiences higher than normal costs of instruction for certain programs – well in excess of the funds we receive from the state to offer our programs. There are several reasons for this:

- 1) Labs often limit the size of certain courses
- 2) Most of our programs require specialty courses, often not taken by many students outside the COF or even outside a specific major
- 3) Some of our courses require specialized field equipment and/or transportation
- 4) Many of our classes require field trips ranging in length from several hours to several days.

The current COF differential tuition is an additional \$10 per credit hour. It applies to all courses taken by students in programs assessed differential tuition, not just courses offered by COF. Differential tuition does not apply to Ecampus courses or our students on the Cascades or LaGrande campuses.

Degree Program	Tuition Rate Assessed
Forest/Civil Engineering	College of Engineering Differential Tuition
Forest Engineering	College of Forestry Differential Tuition
Forestry	College of Forestry Differential Tuition
Renewable Materials	OSU Corvallis Campus Tuition
Recreation Resource Management	OSU Corvallis Campus Tuition
Natural Resources (Corvallis students)	OSU Corvallis Campus Tuition
Natural Resources (Cascades students)	OSU Cascades Campus Tuition
Tourism, Recreation & Adventure Leadership	OSU Corvallis Campus Tuition
Tourism & Outdoor Leadership	OSU Cascades Campus Tuition

## Billing & Payment

All billing for currently enrolled students is processed electronically through eBill. eBill statements are processed on the 5th of each month for students who have current activity resulting in an account balance or credit. Students are sent an email to their ONID email account when their statement is ready to view and can then view their eBill statement online at [mybill.oregonstate.edu](http://mybill.oregonstate.edu). Unpaid balances as of the 1st of the month following the eBill statement are considered past due, and will be assessed interest at the rate of 1% per month (12% APR). Students are financially responsible for all courses for which they register. Students are responsible for paying fees by the deadline even if they do not receive a bill.

If you carry a balance on your OSU student account you should note that the balance must be paid down to **\$2,200, and outstanding charges are from only the two most recent terms before you can register** for the next term. In addition, if you owe money from a prior term you are unable to access a complete official transcript until all of your prior term balances are paid.

For full details on billing and payment visit:

[fa.oregonstate.edu/business-affairs/studentbilling](http://fa.oregonstate.edu/business-affairs/studentbilling)

[oregonstate.edu/dept/fa/businessaffairs/studentfinance/faq\\_answers](http://oregonstate.edu/dept/fa/businessaffairs/studentfinance/faq_answers)

[fa.oregonstate.edu/business-affairs/student-debt-management](http://fa.oregonstate.edu/business-affairs/student-debt-management)

## Academic Calendar & Deadlines

The Academic Calendar is maintained by the Office of the Registrar, and is available online: [registrar.oregonstate.edu/osu-academic-calendar/](http://registrar.oregonstate.edu/osu-academic-calendar/)

### Fall 2018 Academic Calendar

September 16–23, 2018	OSU Welcome Week: Events and activities open to all students.
<b>September 20, 2018</b>	<b>Classes begin Thursday.</b> <b>Note:</b> OSU will observe Veterans Day on Monday, November 12, 2018. The fall term schedule for the 2018–2019 academic year has been adjusted to accommodate this decision.
September 20, 2018	Verification of Enrollment begins.
September 24–October 7, 2018	**\$50 late registration fee assessed. <i>[First two full weeks]</i>
Sept. 30, 2018 <i>[Online]</i>	Last day to add a class by Web <b>without</b> departmental permission online is at 11:55 p.m. on Sunday. <i>[End of first full week]</i>
September 30, 2018	Priority registration: Phase 2 with waitlisting ends. <i>[Sunday, 11:55 p.m., end of first full week]</i>
Sept. 30, 2018	Last day to drop a course by Web and receive 100% refund ends Sunday, 11:55 p.m. <i>[Sunday end of first full week]</i>
October 1–14, 2018	Withdraw from a course with 50% refund begins on Monday. W grade entered on transcript.  <i>[Monday of second full week to Sunday end of third full week]</i>
October 1–5, 2018 <i>[Not by Web, must come into office.]</i>	Audit registration period Monday through Friday. (Requires instructor approval; tuition and fees assessed.) <i>[Second full week]</i>
October 5, 2018	<b>Deadline to Apply Online for Fall Term Graduation.</b> <i>[Friday of second full week]</i>
October 7, 2018	Last day to add a class by Web <b>with</b> departmental permission by 11:55 p.m. <i>[Sunday end of second full week]</i>  (The departmental permission process includes gaining instructor permission and submitting paperwork to departmental offices, which are not open on the weekend.)
October 8, 2018	Late class add through petition begins.  <i>[Monday of third full week]</i>  **\$100 late registration fee assessed with approved late add petitions.

October 14, 2018	Withdraw from a course with 50% refund ends on Sunday at 11:55 p.m. W grade entered on transcript.  <b>0% refund after this period.</b>  <i>[Sunday end of third full week]</i>
November 1, 2018	Tuition payments are due.  Tuition bills emailed to ONID accounts on Oct. 5.
November 9, 2018	Last day to submit Grade Basis Change form by 5:00 pm Friday. (S/U grading). <i>[Friday of seventh full week]</i> (Requires approval of academic advisor/dean, see AR 18.)
November 9, 2018	*Last day to withdraw from a course by Web at 11:55 p.m. on Friday. W grade entered on transcript. (Students who want to withdraw from a course but have a hold on their record should contact or go to the Office of the Registrar for assistance.) <i>[Friday of seventh full week]</i>
November 12, 2018	Veterans Day observed: No classes on Monday
November 22–23, 2018	Thanksgiving Holiday observed: No classes Thursday–Friday.
November 26–30, 2018	Dead week: No finals or midterms except labs, see AR 16.
November 30, 2018	*Last day to withdraw from the term by 11:55 p.m., Friday.  W grade for each registered course. Must complete survey online.  <i>[Friday of dead week]</i>
December 3–7, 2018	Finals week.
December 7, 2018	End of term.
December 10, 2018	Final grades due to Office of the Registrar at <b>5 p.m.</b> on Monday.
December 10–11, 2018	MyDegrees not refreshing due to high volume of activity during grading.
December 12, 2018	Grades available on Web on Wednesday.

## Terminology

**Academic Warning or Academic Probation:** Academic Warning (AW) and Academic Probation (AP) are part of the University's Academic Standing terminology. The full Academic Standing policy (Academic Regulation #22) can be found online: [catalog.oregonstate.edu/regulations/](http://catalog.oregonstate.edu/regulations/).

Oregon State University expects students to maintain satisfactory academic progress toward degree completion. At the conclusion of each term, grade-point averages are calculated and academic standings determined for students seeking a baccalaureate degree according to the criteria outlined below. Students whose standings evidence a lack of satisfactory progress will be warned of this condition and advised to seek help from their academic advisors.

- 1) **Academic Warning:** Students with a term GPA below 2.0 will be placed on Academic Warning.
- 2) **Academic Probation:** Students who have attempted<sup>1</sup> 24 or more credits at OSU and have an OSU cumulative GPA below 2.0 will be placed on Academic Probation. Students who attain a cumulative GPA of 2.0 or better are removed from Academic Probation.
- 3) **Academic Suspension:** Students who are on Academic Probation and have a subsequent term GPA below 2.0 will be placed on Academic Suspension. Academic Suspension is recorded on the student's academic record. Students who are academically suspended are denied all the privileges of the institution and of all organizations in any way connected to it, including any university-recognized living group.
- 4) **Reinstatement to the University:** Suspended students will be considered for reinstatement to the university after two years or completion of a minimum of 24 quarter credits of transferable college-level work at an accredited college or university, with a GPA of 2.5 or above.

<sup>1</sup> An attempt comprises a final grade in a course where the grade is: A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, S, U, P, NP, I/Alternate Grade (where the Alternate Grade is one of these grades), W.

**Adding a Class:** Students can add classes through MyOSU until the end of the first full week of classes. Adding a class in the second week of the term requires special permission from the instructor.

**Canvas:** Canvas is the learning management system used for all Oregon State University courses. You will access Canvas to get course information like the syllabus, readings, and assignments. You might also upload homework or take quizzes in Canvas. You can view your grade in Canvas as well.

**Catalog:** The catalog is the official record of information about the University, colleges and departments, degrees and programs, and policies. It is updated annually and accessible online: [catalog.oregonstate.edu/](http://catalog.oregonstate.edu/). You will be required to fulfill the degree requirements in the catalog for the year in which you matriculate. Changes made to programs in subsequent catalogs should not affect your curriculum.

**Class Standing:** Students are classified as Freshman/First-Year, Sophomore, Junior, and Senior according to the number credit hours completed.

<b>First-Year</b>	<b>1-44 credits</b>
<b>Sophomore</b>	<b>45-89 credits</b>
<b>Junior</b>	<b>90-134 credits</b>
<b>Senior</b>	<b>135+ credits</b>

Your earned credits also have an impact on when you register: the more credits you have, the higher you are on the priority registration list each term.

**Closed Classes:** You may find that a course you need is closed. What do you do?

1. First, you can add your name to an automated wait list (*NOTE: Not every course has wait listing*). *Waitlisting is only available in Phase II of registration.* To use the wait list feature, type the CRN into the registration worksheet and click SUBMIT. Then, click Submit again to add yourself to the wait list. When space becomes available in the class you will receive a notification in your ONID email. You will have 24 hours to register for the course or you will lose your place on the waiting list.
2. Your second option is to contact the department offering the course. There are no guarantees with this method, but some departments grant registration overrides if they feel the situation warrants it. Contact the main office for the department offering the course.

**CRN:** The “Course Reference Number” is a 5-digit number assigned to an individual section of a course. Every lecture, lab, and recitation section has its own CRN.

**Deadlines:** University deadlines are outlined in the Academic Calendar ([registrar.oregonstate.edu/osu-academic-calendar/](http://registrar.oregonstate.edu/osu-academic-calendar/)). This includes deadlines to add, drop, or withdraw from a class, and to change to S/U grading. Your academic advisor can assist you with understanding and interpreting these processes and deadlines, but students are ultimately responsible for taking the required action in a timely fashion.

**Deficient in Foreign Language (DFL):** If you were admitted to OSU without meeting the foreign language requirement from high school, you will see a foreign language requirement in MyDegrees. In order to fulfill the requirement and graduate from OSU, you will have to complete two terms of a foreign language with grades of C- or higher. [admissions.oregonstate.edu/admission-requirements-0](http://admissions.oregonstate.edu/admission-requirements-0)

**Degree Partnership Program (DPP):** DPP allows you to be a student at OSU and a participating community college simultaneously. Sometimes referred to as dual-enrollment. See page 75 for more information on DPP.

**Differential Tuition:** Differential tuition reflects a surcharge added to a student’s base tuition. Programs that 1) need to offset higher than average costs of instruction, 2) need supplemental resources to enhance program quality, or 3) experience higher than normal program demand are permitted to adopt this fee. See page 79 for COF differential tuition rates.

**Dropping a Class:** Students are allowed to drop a class until the end of the first full week of the term, and perform the drop in MyOSU. Dropped courses will not appear on your transcript, and you will be refunded a pro-rated portion of the tuition for the course you dropped. Students cannot drop classes after the deadline, but do have the option to withdraw from the class.

**Ecampus:** Ecampus is the entity that provides OSU's online courses and degrees. If you enroll in an Ecampus course, Ecampus tuition and fees are charged in addition to your on-campus tuition and fees. These fees are based on a fixed per-credit rate that can be viewed here: [fa.oregonstate.edu/budget/tuition-fees/2017-2018-tuition-fee-schedules/ecampus-2017-2018-tuition-rates](http://fa.oregonstate.edu/budget/tuition-fees/2017-2018-tuition-fee-schedules/ecampus-2017-2018-tuition-rates). Ecampus courses are the same price for Oregon residents, non-residents, and international students.

**Electronic Student Evaluations of Teaching (eSET):** eSET is the mechanism for students to provide feedback about classes to faculty members. Each term, you will receive an email asking you to complete online teaching evaluations for each of your classes. Your responses are confidential, and are used to help faculty refine their courses and their teaching.

**Equipment Room:** See "Instrument Room"

**Fernhopper:** "Fernhopper" is a nickname given to College of Forestry students and alumni. Historically, Pacific Northwest loggers and foresters were known as Fernhoppers. The name has continued as a tradition at OSU and is given to all OSU College of Forestry graduates. It is also the name College of Forestry's weekly e-newsletter (p. 58).

**FERPA:** FERPA is the Family Educational Rights and Privacy Act of 1974. The legislation protects the privacy of your student records and regulates how that information is utilized. University employees are prohibited from sharing any information about you or your educational record with anyone but you. Should you wish to allow your parent/guardian/spouse to have access to your student record, you will have to complete a waiver of your FERPA rights. OSU's FERPA waiver can be accessed here: [registrar.oregonstate.edu/sites/registrar.oregonstate.edu/files/forms/em-ferpa-release-form.pdf](http://registrar.oregonstate.edu/sites/registrar.oregonstate.edu/files/forms/em-ferpa-release-form.pdf)

**Field School:** Field School is an intensive two-week hands-on experience that prepares students in Forestry, Forest Engineering, and Forest/Civil Engineering for pro-school. It is required of all students entering the professional program, and takes place in the summer (two weeks prior to the start of fall term, junior year).

**GAP:** General Access PIN. This number will allow you to access grades, schedules and bills online. Initially, all GAP numbers will be assigned by the Registrar's Office, using birth date (example: Birth date April 3, 1997 = GAP 040397). The first time you log into the system, you will be asked to change this to a six-digit number of your choice. This number will be your permanent GAP unless you change it again.

**Holds:** A hold is placed on your account to block your ability to register or to request transcripts. Holds can be placed by a variety of offices and are usually imposed for failure to comply with a policy or procedure. For example, Student Health Services may place a hold on your account if you do not submit required immunization paperwork. You will be able to view your holds on your MyDegrees page, and must contact the office that placed the hold in order to have it removed.

**Individualized Specialty Option (ISO):** Students in the Natural Resources major can create an Individualized Specialty Option or ISO. Students work with their advisor to choose a theme or topic of interest for the ISO, and select courses that will match the theme. ISO's must be documented and approved

**Instrument Room:** Located in temporary trailers on the lawn north of Richardson Hall (on Jefferson Street), the instrument room is where students check out equipment for field labs and classes. Equipment available for check-out includes hard hats, diameter tapes, compasses and clinometers. A full list of available equipment is posted in the instrument room. Also known as the “equipment room.”

**Lecture, Lab, Recitation, and Hybrid:** These are four types of classes you might have at OSU. Lectures are large group class meetings and are the primary mode of instruction here at OSU. Often, lectures will be accompanied by labs and/or recitations that are smaller group meetings where students will complete activities related to the class. Hybrid courses are a combination of lecture and online formats.

**MyDegrees:** An online checklist of your degree requirements, and a tool used for planning, advising and degree verification. You and your academic advisor have access to your MyDegrees record and you will use it to track your progress and plan your future courses. Your advisor may leave notes for you in MyDegrees, and may also include course plans developed during your advising appointment. MyDegrees is accessed through the MyOSU portal or Online Services.

**MyOSU:** MyOSU is an online portal from which you can access all your OSU accounts and resources. This is your primary point of entry to all ONID-authenticated OSU services.  
[main.oregonstate.edu/](http://main.oregonstate.edu/)

**No-Show-Drop (NSHD):** Certain courses are designated in the Schedule of Classes as NSHD. A student who is registered for such a course and who attends no meeting of the course during the first five (5) days of the term WILL be dropped from the course unless the student has obtained prior permission for absence (Academic Regulation 9c).

**ONID:** This is your OSU “Network ID.” Your ONID account not only gets you a university e-mail account (which we *strongly encourage* you to use) and server space for a web page, but it also grants you access to tools like Canvas and MyOSU.

All official university email will be sent to your ONID account, and most university officials will only respond to messages sent from your ONID (rather than non-ONID email addresses). Examples of messages sent to your ONID include emails from your professors related to class requirements, your tuition bill, information from your academic advisor, campus emergency alerts, or messages from COF Student Resources & Engagement related to job opportunities, scholarships, and events. **Students are responsible for the information sent to their ONID accounts regardless of whether they choose to read the messages.**

**Override:** An override is a code entered into the registration system to allow you to sign up for a class for which you might otherwise be prevented. For example, if your transfer credit for MTH 111 isn’t showing up online, you might get a prerequisite error when attempting to register for MTH 112. The Math Department could issue you an override and you would be able to register for MTH 112.

**Pass/No-Pass (P/N) Grading:** Alternative form of grading assigned to specific courses. These courses are not included in grade point averages, but a “P” grade will apply to graduation credit.

**PIN:** A six-digit personal identification number used to unlock the registration system and sign up for classes. College of Forestry students will receive a new PIN every term, and obtain the PIN by meeting with their Academic Advisor.

**Prerequisite:** A class that provides the background necessary for successful performance in a course. OSU uses an automated check of students' records at the time of registration to ensure that students have successfully completed the enforced prerequisites for certain courses (e.g. SOC 204 is an enforced prerequisite for SOC 312). You may also encounter other prerequisites. Not having the other prerequisite class won't prevent you from registering for a class, but you should abide by this strong recommendation. Departments reserve the right to remove you from a class if you haven't met any listed prerequisite.

**Phase I & Phase II Registration:** Registration is organized into two phases. Phase I is your first opportunity to register for classes, and you are allowed to sign up for a maximum of 16 credits. Phase II follows Phase I, and is your opportunity to add additional credits or sign up for the waiting list for a course. There is a 24-hour period between the end of Phase I and the beginning of Phase II in which no registration (or schedule changes) can take place.

**Pro-School:** Forestry, Forest Engineering, and Forest/Civil Engineering majors have a pre/pro model. Students spend their first two years in the pre-forestry program, and then apply to move into the professional forestry program (or “pro-school”) for their junior year. Admission to the professional program is based upon satisfactory completion of the pre-forestry curriculum (with grades of C or higher in all courses) and a minimum pre-forestry GPA of 2.25. Students in pre/pro majors are encouraged to work closely with their academic advisor to ensure timely progress in the curriculum.

**Recitation:** Some classes will require a recitation in addition to the lecture (for example, most math classes have a lecture and a recitation). Recitations are usually made up of smaller groups of students from your lecture, meeting once a week. Attending recitation is a required part of your grade for the course. Recitation will be facilitated by your instructor or teaching assistant, and often include review of the lecture material, practice problems or review of assignments, time to ask questions, and quizzes.

**Registration:** Registration is the act of signing up for classes. The order in which students register is based on the number of credit hours they have accumulated. Those with the most credits (seniors) register first, followed by juniors, sophomores, and first-years. Your specific registration date and time can be found in Online Services (*Registration -> Check Your Registration Status*). See also: Phase I and Phase II Registration.

**Satisfactory/Unsatisfactory (S/U) Grading:** The ‘S’ grade corresponds to a letter grade of ‘A’ through ‘C-’. The ‘U’ grade corresponds to a letter grade of ‘D+’ or lower. Students have until the end of the seventh week to change a class to S/U grading, and must obtain approval from their advisor. Up to 36 credit hours can be graded S/U, except those courses required, by department, for major and/or minor options. S/U grades do not apply to GPA calculations (Academic Regulation 18).

**Schedule of Classes:** The schedule of classes is an online listing of every course being offered in the coming year. The schedule includes the course meeting times, location, instructor, prerequisites, etc. You can access the schedule of classes online: [catalog.oregonstate.edu/](http://catalog.oregonstate.edu/).

**Tuition Bill:** OSU provides account statements electronically through eBill, and does not mail out paper copies of statements. Detailed information about your account, fees, and billing can be accessed on the Business Affairs website: [financialaid.oregonstate.edu/faqs](http://financialaid.oregonstate.edu/faqs)

**Waiting List:** See Closed Classes on page 83 or [oregonstate.edu/registrar/register](http://oregonstate.edu/registrar/register)  
Online Registration tutorial: [oregonstate.edu/registrar/node/93/#Registration Videos](http://oregonstate.edu/registrar/node/93/#RegistrationVideos)

**Withdraw from a class:** Students have the opportunity to withdraw from a course between the drop deadline and the end of the seventh full week of the term. *If you decide to withdraw from a class, you process the change the registration portion of your Online Services.* When you withdraw from a course you are no longer part of the class, and do not need to complete the rest of the assignments for the class. The course will still appear on your transcript, but a grade of W will be assigned, and you will not earn any credit for the course. A W grade is GPA neutral. When you withdraw from a course you will receive a pro-rated tuition refund. The University allows withdraw from a maximum of 12 individual courses.

**Withdraw from the term:** If you are enrolled in courses as of the first day of the term and elect to drop or withdraw from all of your courses for the term, you are withdrawing from the university for the term. The withdrawal is only effective for the term in which you drop or withdraw your courses. Your transcript will reflect your withdrawal from the university in the form of a comment that indicates that you withdrew for the term and the effective date of the withdrawal. All currently enrolled courses will be assigned a W grade indicating that you withdrew from the course. The W grade indicates the course was not completed, no credits were earned, and it is not used in the computation of the grade-point average. OSU allows students to withdraw from a maximum of four terms.

## Scheduling Worksheet

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00					
:30					
9:00					
:30					
10:00					
:30					
11:00					
:30					
12:00					
:30					
1:00					
:30					
2:00					
:30					
3:00					
:30					
4:00					
:30					
5:00					
:30					
6:00					
:30					
7:00					

## Notes

## My Advising Guide

**Insert your 2018-2019 Advising Guide here**



The Advising Guide for your major includes all of the course requirements to complete your degree. You should save it and refer to it when you have questions.