

# OSU College of Forestry

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**The OSU Forestry Department wants to talk to students early in their academic careers, please contact them for information.**

Oregon State University's College of Forestry offers distinctive majors to provide a well-rounded education and a solid foundation for future career growth. Graduates are very competitive in the job market; demand in some disciplines outpaces the number of graduates.

Students planning to transfer to Oregon State University's College of Forestry should concentrate on college-level courses that fulfill the first and second year requirements for the major of interest as well as OSU's baccalaureate core. This includes especially coursework in basic biological and physical sciences, mathematics, writing, speech, health, and economics. **Contact the departments below for more information about degree requirements.**

## **FOREST ENGINEERING:** [www.forestry.oregonstate.edu/cof/fe/undergrad.php](http://www.forestry.oregonstate.edu/cof/fe/undergrad.php)

Become proficient in the tools, methods, and skills to conduct cost-effective and environmentally sensitive forest resource operations. Forest Engineering graduates are highly sought after by private timber companies, state and federal public land agencies, and forestry consultants. Some graduates pursue advanced studies with a goal of university teaching or becoming a specialist in a particular discipline, such as forest hydrology or forest operations.

OSU Courses	Quarter Credits	PCC Equivalent	Quarter Credits
MTH 251, 252, 254, 256 Differential Calculus, Integral Calculus, Vector Calculus I, Applied Differential Equations	16	<b>MTH</b> 251, 252, 254, 256 Calculus I, II, Vector Calculus, Differential Equations	19
PH 211, 212 Physics w/calculus	8	<b>PHY</b> 211, 212 Physics w/calculus	10
COMM 111 or 114 Public Speaking or Argument & Critical Discourse	3	<b>SP</b> 111 Public Speaking	4
EC 201 Microeconomics	4	<b>EC</b> 201 Microeconomics	4
WR 121 English Composition, 327 Technical Writing	6	<b>WR</b> 121 English Composition, 227 Technical Writing	8
ENGR 211, 212, 213 Statics, Dynamics, Strength of Materials	9	<b>ENGR</b> 211, 212, 213 Statics, Dynamics, Strength of Materials	12

## **FOREST ENGINEERING/CIVIL ENGINEERING:**

[www.forestry.oregonstate.edu/cof/fe/undergrad.php](http://www.forestry.oregonstate.edu/cof/fe/undergrad.php)

Combine two degrees in this challenging five-year program to apply civil engineering techniques to both urban and wildland regions. Students may complete a double degree in both Forest Engineering and Civil Engineering.

Take same courses as Forest Engineering students. In addition, take **PHY** 213 Physics w/calculus.

**FOREST OPERATIONS MANAGEMENT:**

[www.forestry.oregonstate.edu/cof/fe/undergrad.php](http://www.forestry.oregonstate.edu/cof/fe/undergrad.php)

The Bachelor of Science in Forest Operations Management is designed as a professional degree that blends elements of the forest engineering and forest management degrees with business management and entrepreneurship. This unique new degree will prepare graduates to support the needs of an evolving forest sector in Oregon and globally.

This degree program is in collaboration with the College of Business. The 180-credit program includes a minor from the College of Business.

<b>OSU Courses</b>	<b>Quarter Credits</b>	<b>PCC Equivalent</b>	<b>Quarter Credits</b>
MTH 241 Calculus for Management & Social Science	4	<b>MTH 241</b> Calculus for Management & Social Science	4
PHY 201 General Physics	4	<b>PHY 201</b> General Physics	4
COMM 111 or 114 Public Speaking or Argument & Critical Discourse	3	<b>SP 111</b> Public Speaking	4
EC 201 Microeconomics	4	<b>EC 201</b> Microeconomics	4
WR 121 English Composition, 327 Technical Writing	3	<b>WR 121</b> English Composition, 227 Technical Writing	4
BA 211 Financial Accounting, 213 Managerial Accounting	8	<b>BA 212</b> Principles of Accounting II, 213 Principles of Accounting III	6
BA 230 Business Law	4	<b>BA 226</b> Business Law	4
BA 260 Introduction to Entrepreneurship	4	<b>BA 250</b> Small Business Management	4

**FOREST MANAGEMENT:** [www.forestry.oregonstate.edu/cof/fr/uguide/fm.php](http://www.forestry.oregonstate.edu/cof/fr/uguide/fm.php)

The Forest Management profession requires an understanding of natural resource systems and the management of forest resources for multiple uses. The core curriculum is a broad-based education which includes basic courses in the biological, physical, social sciences, as well as professional courses and 6 months of work experience designed to prepare students to manage forest resources. Strength in a specific area is obtained by selecting an option in one of the following areas and serves to fulfill the 180 credits for graduation: Forest Ecosystem Science Option, Forest Environmental Consultation Option, Human-Forest Interactions Option, International Forestry Option, Plantation Silviculture Option, Restoration of Forested Landscapes Option, Wildland Fire Management Option.

<b>OSU Courses</b>	<b>Quarter Credits</b>	<b>PCC Equivalent</b>	<b>Quarter Credits</b>
MTH 112 Elementary Functions, 241 Calculus for Management & Social Science	8	<b>MTH 112</b> Elementary Functions, <b>MTH 241</b> Calculus for Management & Social Science	9
BI 101 General Biology or BI 211 Principles of Biology	4	<b>BI 101</b> General Biology or <b>BI 211</b> Principles of Biology	4-5
COMM 111 or 114 Public Speaking or Argument & Critical Discourse	3	<b>SP 111</b> Public Speaking	4
EC 201 Microeconomics	4	<b>EC 201</b> Microeconomics	4