



# CAREER PATHWAYS

Grow here. Learn here. Work here.



## UCC Forestry A.S. - Forest Engineering A.S.

Our Forestry programs provides students with an education in fundamental forestry knowledge, applied field-based skills, and professional and ethical behavior to be successful professionals assisting in the management of forested ecosystems that promote environmental, social, and economic values. The forestry degree will prepare students to engage in the following transfer programs: Forest Management, Forest Operations, and Forest Restoration Fire. The UCC Forestry program is a Degree Partnership Program with Oregon State University. The Forestry curriculum is intended to meet the requirements for the first two years of course work necessary for application to the Forestry Professional Program at OSU.

### CAREER HIGHLIGHTS

#### JOB TYPES:



Forest Technician  
Forester  
Forest Engineer  
Resource Forester

Logging Operations Manager  
Road Engineer  
Surveyor



SOURCE: <https://www.onetonline.org>

**SALARY RANGE: \$48,600 to \$137,070**

#### LOCAL INDUSTRY:



Roseburg Forest Products  
Lone Rock Timber  
Swanson Group  
Cow Creek Band of the Umpqua Tribe of Indians  
U.S. Forest Service  
Communities of Healthy Forests

#### Available Pathway(s)



**Forestry A.S.**



**94 - 95 credits required**  
2 years of college coursework+



**Forest Engineer A.S.**

**101 credits required**  
2 years of college coursework+

# Forestry Pathways

| FORESTRY A.S.   | RHS            | FORESTRY ENGINEERING A.S.  |
|---|----------------|--|
| Intro to Agricultural Agriculture I<br>Math 9 Honors<br>Spanish I or German I   | GRADE 9        | Intro to Agricultural Agriculture I<br>Math 9 Honors<br>Engineering Graphics and Blueprint Reading<br>Spanish I or German I  |
| Agriculture II<br>Math 10 Honors<br>Honors Chemistry<br>Spanish II or German II   | GRADE 10       | Agriculture II<br>Honors Chemistry (CH104)~<br>Math 10 Honors<br>Computer Aided Mechanical Design (DRF112)<br>General Psychology (PSY201Z)^<br>Spanish II or German II |
| AP Statistics (STAT243Z)<br>Honors Biology<br>Intro to Speech (COM111Z)<br>Forestry (FOR111)<br>Precalculus (MTH111Z/112Z)                    | GRADE 11       | Forestry (FOR111)<br>Precalculus (MTH111Z/112Z)<br>Writing 121/122 (WR121Z)<br>Intro to Speech (COM111Z)   |
| AP Calculus<br>Honors Physics (PH201)<br>Writing 121/122 (WR121Z)   | GRADE 12       | AP Calculus (MTH251Z/252Z)<br>AP Literature (ENG104Z)*<br>AP Statistics (STAT243Z)<br>Honors Physics (PH201/202)   |
| Graduate from Roseburg High School and enroll at UCC  |                |  |
| FES241 Dendrology<br>FOR111 Introduction to Forestry<br>MTH111Z Precalculus I- Functions<br>PH201 General Physics or PH211 Gen Phys           | YEAR 1<br>FALL | FES241 Dendrology<br>FOR111 Introduction to Forestry<br>ENGR111 Engineering Orientation I<br>DRF112 Drafting and Design I<br>CH221Z/CH227Z General Chemistry/Lab~      |
| GIS234 GIS I- Intro to GIS<br>FOR112 Problem Solving- Technology<br>MTH112Z Precalculus II- Trig<br>WR121Z Composition I                      | WINTER         | FOR234 GIS I- Intro to GIS<br>FOR112 Problem Solving- Technology<br>MTH251Z Calculus I<br>WR121Z Composition I   |
| COM111Z Public Speaking<br>SUR161 Surveying I<br>STAT243Z Elementary Statistics I<br>WR227Z Technical Writing                                 | SPRING         | MTH252Z Calculus II<br>SOC213 Race Class and Ethnicity<br>SUR161 Surveying I<br>MTH265 Statistics-Scientists-Engineers<br>WR227Z Technical Writing                     |
| ANTH221 Intro to Cultural Anthropology<br>BI221Z Principles of Biology<br>CH221Z/CH227Z General Chemistry I/Lab I<br>FES240 Forest Biology    | YEAR 2<br>FALL | ENGR211 Statics<br>FES240 Forest Biology<br>MTH254 Vector Calculus<br>PH211 Gen Physics Calc or PH201 Gen Physics Alg*   |
| ART134 Illustrating Nature or ENG230 Envir. Lit<br>ATS201 Climate Science<br>BA226Z Business Law<br>MTH241 Calculus f-Mgmt-Social Science     | WINTER         | ENGR213 Strength of Materials<br>MTH256 Differential Equations<br>MUS 105 Intro to Rock Music*<br>PH212 Gen Physics Calc or PH202 Gen Physics Alg^                     |
| ECON201Z Microeconomics<br>FES261 Recreation Resource Mgmt<br>HPE295 Wellness-Hlth Assess<br>SOIL205 Soil Science<br>SOIL206 Soil Science Lab | SPRING         | COM111Z Public Speaking<br>ECON201Z Microeconomics^<br>ENGR212 Dynamics<br>SOIL205 Soil Science<br>SOIL206 Soil Science Lab  |
|  <b>Forestry A.S.<br/>Degree</b>                            |                |  <b>Forest Engineering A.S.<br/>Degree</b>   |