

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

**CORVALLIS**

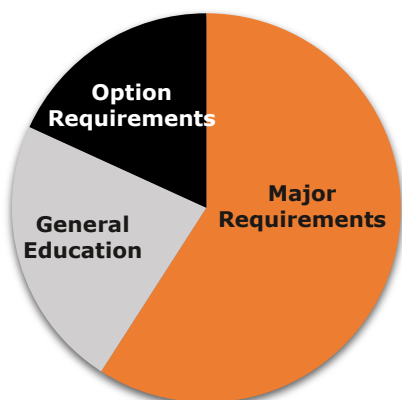
**Portland  
Community College**

## Wood Innovation for Sustainability Major with Science & Engineering Option

Wood Innovation students facilitate the creation of, manufacturing, and marketing of products made from renewable materials. Focus on science, technology, and engineering for working with wood products. Learn where wood products come from,

And test renewable materials to determine how they can be used in new and innovative ways. Learn in woodshops, labs, climate rooms, and earthquake testing lab. Careers in a variety of technical positions in the manufacturing setting.

## Your Bachelor's Degree (BS) in Wood Innovation



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- WINS students must complete at least six months of work experience related to their field.
- Only courses with letter prefixes and numbers above 100 are accepted.
- [wse.forestry.oregonstate.edu/undergraduate-programs/wins](http://wse.forestry.oregonstate.edu/undergraduate-programs/wins)

## Courses Required for Wood Innovation Major

WINS Core Requirements <i>Complete one course per category</i>	PCC Course	OSU Course	Notes
Indigenous Agriculture & Subsistence		AG 311	Available online at OSU
Environmental Justice		ENSC/GEOG 333	Available online at OSU
Sustainability, Justice, and Engagement		SUS 331	Available online at OSU
General Chemistry I	CH 221Z & 227Z sub	CH 121	Available online at OSU
General Chemistry II	CH 222Z & 228Z sub	CH 122	Available online at OSU
Public Speaking	COMM 111Z	COMM 111Z	Available online at OSU
Argument & Critical Discourse	COMM 112	COMM 114	Available online at OSU
Interpersonal Communication	COMM 218Z	COMM 218Z	Available online at OSU
Forest Biology	BI 141	FES 240	Available online at OSU
Introduction to Forestry		FOR 111	Available online at OSU
Computing Applications in Forestry	BA 169Z subs	FOR 112	Available online at OSU
Writing in Business		WR 314	Available online at OSU
Technical Writing	WR 227Z	WR 227Z	Available online at OSU
Beyond OSU II: Engage		WSE 008	Available online at OSU
Wood Innovations for Sustainability		WSE 111	
Bio, Structure, and Utilization of Wood Plants		WSE 210	
Woodturning with Science I		WSE 211	
Building Design Innovation with Wood		WSE 225	
Computer Aided Design of Wood Products		WSE 250	
Anatomy of Woody Plants		WSE 320	
Physical & Mechanical Properties of Wood		WSE 322	
Wood Products Business		WSE 453	
Intro to Wood Products Manufacturing		WSE 461	
Wood Products Field School		WSE 465	

## Courses Required for Science & Engineering Option

<b>Requirement</b> <i>Complete one course per category unless otherwise noted</i>	<b>PCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
General Chemistry III with Lab	CH 223Z & 229Z sub	CH 123	Available online at OSU
Intro to Microeconomics	EC 201Z	ECON 201Z	Available online at OSU
Differential Calculus	MTH 251Z	MTH 251Z	Available online at OSU
Integral Calculus	MTH 252Z	MTH 252Z	Available online at OSU
Vector Calculus	MTH 254	MTH 254	Available online at OSU
General Physics I with Lab	PHY 201	PH 201	Available online at OSU
Calc-Based Physics I with Lab	PHY 211	PH 211	Available online at OSU
General Physics II with Lab	PHY 202	PH 202	Available online at OSU
Calc-Based Physics II with Lab	PHY 212	PH 212	Available online at OSU
General Physics III with Lab	PHY 203	PH 203	Available online at OSU
Calc-Based Physics III with Lab	PHY 213	PH 213	Available online at OSU
Elementary Statistics	STAT 243Z	ST 243Z	Available online at OSU
Statistics for Engineers		ST 314	Available online at OSU
Intro to Statistical Methods		ST 351	Available online at OSU
Wood Chemistry		WSE 321	
Physical & Mech Properties of Wood Lab		WSE 324	
Timber Tectonics in the Digital Age		WSE 425	
Fundamentals of Engineering Mechanics		WSE 430	
Advanced Manufacturing I		WSE 462	
Advanced Manufacturing II		WSE 463	
Eval Sus Through Life Cycle Analysis		WSE 385	Available online at OSU
Renewable Materials in Building Construction		WSE 471	
<b>Area of Concentration – 16 credits req'd.</b> Student selected courses. At least 12 credits must be upper-division.			

## General Education Courses (called Core Education)

- Complete one course in each category.
- Full listing of PCC courses that fulfill Core Ed requirements: [admissions.oregonstate.edu/course-articulations-portland-community-college](https://admissions.oregonstate.edu/course-articulations-portland-community-college)

<b>FOUNDATIONAL CORE</b>	Writing Foundations	WR 121Z required
	Arts & Humanities: General	
	Arts & Humanities: Global	
	Quantitative Literacy & Analysis	Fulfilled by major: MTH 251Z or ST 243Z
	Communication, Media & Society	Fulfilled by major: COMM 111Z, 112, or 218Z
	Social Science	
	Scientific Inquiry & Analysis	Fulfilled by major: CH 221Z & 227Z
	Scientific Inquiry & Analysis	Fulfilled by major: WSE 210
<b>SIGNATURE CORE</b>	Difference, Power, Oppression Foundations	
	Transitions	
	Beyond OSU I: Prepare	Fulfilled by major: WSE 111
	Beyond OSU II: Engage	Fulfilled by major: WSE 008
	Difference, Power, Oppression Advanced	Fulfilled by major: AG 311, ENSC/GEOG 333, SUS 331
	Seeking Solutions	<i>Cannot be fulfilled by a major requirement</i>
	Writing Elevation	Fulfilled by major: WR 214 or 227Z
Writing Intensive Course	Fulfilled by major: WSE 453	

## Advising Contacts

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. See [visitosu.oregonstate.edu/visit-campus](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

<b>Portland Community College</b>	General Academic Advising 971-722-8888 Option 1 <a href="mailto:advising@pcc.edu">advising@pcc.edu</a>
<b>OSU College of Forestry Student Services Office</b>	541-737-1594 <a href="mailto:forestrystudentservices@oregonstate.edu">forestrystudentservices@oregonstate.edu</a>