

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

**Tillamook Bay
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.
- More info at: forestry.oregonstate.edu/undergraduate-programs/rm/science-and-engineering

Courses Required for Wood Innovation Major

WINS Core Requirements <i>Complete one course per category</i>	TBCC Course	OSU Course	Notes
General Chemistry I	CH 221 substitutes	CH 121	Available online at OSU
General Chemistry II	CH 222 substitutes	CH 122	Available online at OSU
Public Speaking Argument & Critical Discourse	COMM 111	COMM 111 COMM 114	Available online at OSU Available online at OSU
Interpersonal Communication	COMM 214	COMM 218	Available online at OSU
Forest Biology	FOR 240	FES 240	Available online at OSU
Introduction to Forestry	FOR 111	FOR 111	Available online at OSU
Computing Applications in Forestry		FOR 112	Available online at OSU
Writing in Business Technical Writing	WR 227	WR 214 WR 327	Available online at OSU Available online at OSU
Wood Innovation for Sustainability		WSE 111	
Bio, Structure, and Utilization of Wood Plants		WSE 210	Available online at OSU
Woodturning with Science I		WSE 211	
Building Design Innovation with Wood		WSE 225	
Anatomy of Woody Plants		WSE 320	
WINS Capstone		WSE 414	
Forest Products Business		WSE 453	
Wood Products Manufacturing		WSE 461	
Renewable Materials Manufacturing Exper.		WSE 465	

Courses Required for Science & Engineering Option

Requirement <i>Complete one course per category unless otherwise noted</i>	TBCC Course	OSU Course	Notes
General Chemistry III with Lab	CH 223 substitutes	CH 123	Available online at OSU
Intro to Microeconomics	EC 201	ECON 201	Available online at OSU
Differential Calculus	MTH 251	MTH 251	Available online at OSU
Integral Calculus	MTH 252	MTH 252	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		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		PH 212	Available online at OSU
General Physics III with Lab		PH 203	Available online at OSU
Calc-Based Physics III with Lab		PH 213	Available online at OSU
Principles of Statistics	MTH 243	ST 201	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	
Renewable Materials in Building Construction		WSE 471	
Area of Concentration – 16 credits req'd. Student selected courses. At least 12 credits must be upper-division.			

General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of TBCC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-tillamook-bay-community-college

SKILLS COURSES	Math Writing I Writing II Speech (Writing III) Fitness	Completed as part of major: MTH 251 WR 121. Required to transfer. Completed as part of major: WR 214 or 327 Completed as part of major: COMM 111 or 114 or 218 PE 295 @ TBCC
PERSPECTIVE COURSES	Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture	Completed as part of major: FES 240 Completed as part of major: CH 105 Completed as part of major: WSE 210 Choose one course from Bacc Core link above Choose one course from Bacc Core link above Completed as part of major: ECON 201 Choose one course from Bacc Core link above
DPD COURSE	Difference, Power, & Discrimination	Choose one course from Bacc Core link above
SYNTHESIS COURSES	Contemporary Global Issues Science, Technology, & Society	Upper division course, take through OSU Upper division course, take through OSU

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 to schedule your personalized visit.

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