

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

Shasta College

Renewable Materials Major with Adv. Wood Manufacturing Option

Renewable Materials students facilitate the creation of, manufacturing, and marketing of products made from renewable materials. Create innovative products, coordinate supply chains, market products, start new businesses, and more.

AWM students study the latest technologies throughout the wood products industry. Once in industry, students make everything from advanced wood products to cabinetry.

Your Bachelor's Degree (BS) in Renewable Materials



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- RM 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/advanced-wood-manufacturing](http://forestry.oregonstate.edu/undergraduate-programs/rm/advanced-wood-manufacturing)

Courses Required for Renewable Materials Major

RM Core Requirements	Shasta Course	OSU Course	Notes
<i>Complete one course per category</i>			
General Chemistry I	CHEM 1A	CH 121	Available online at OSU
General Chemistry II	CHEM 1B	CH 122	Available online at OSU
Public Speaking	CMST 60	COMM 111	Available online at OSU
Argument & Critical Discourse		COMM 114	Available online at OSU
Forest Biology	AGNR 65	FES 240	Available online at OSU
Introduction to Forestry	AGNR 55 or 1	FOR 111	Available online at OSU
Computing Applications in Forestry	AGNR 52	FOR 112	Available online at OSU
English Composition	ENGL 1A	WR 121	Available online at OSU
Writing in Business		WR 214	Available online at OSU
Technical Writing		WR 327	Available online at OSU
Renewable Materials for a Green Planet		WSE 111	
Renewable Materials Technology & Utilization		WSE 210	
Principles of Architectural Design		WSE 225	
CAD: Computer Aided Design	ENGR 29 or 33	WSE 250	
Anatomy of Renewable Materials		WSE 320	
Chemistry of Renewable Materials		WSE 321	
Physical and Mechanical Properties of RN		WSE 322	
Renewable Materials Laboratory		WSE 324	
Forest Products Business		WSE 455	
Renewable Materials Manufacturing Exper.		WSE 465	

Courses Required for Advanced Wood Manufacturing Option

Requirement <i>Complete one course per category</i>	Shasta Course	OSU Course	Notes
Fundamentals of Accounting	ACCT 2 or 4	BA 215	Available online at OSU
Accounting for Decision-Making		BA 315	Available online at OSU
General Chemistry III	CHEM 1A & 1B	CH 123	Available online at OSU
Intro to Microeconomics	ECON 1A	ECON 201	Available online at OSU
Intro to Macroeconomics	ECON 1B	ECON 202	Available online at OSU
Engineering Economy		ENGR 390	Available online at OSU
Intro to Quant. Anal. Of Indus. & Mfg. System		IE 255	
Intro to Statistics for Engineers		ST 314	Available online at OSU
Work Systems Engineering		IE 366	
Production Planning and Control		IE 367	
Differential Calculus	MATH 3A	MTH 251	Available online at OSU
Integral Calculus	MATH 3B	MTH 252	Available online at OSU
General Physics I with Lab	PHYS 2A	PH 201	Available online at OSU
Physics with Calculus I with Lab	PHYS 4A	PH 211	
General Physics II with Lab	PHYS 2B	PH 202	
Physics with Calculus II with Lab	PHYS 4 B	PH 212	
General Physics III with Lab	Covered in 2A & 2B	PH 203	
Physics with Calculus III with Lab	PHYS 4C	PH 213	
Secondary Products Design & Manufacturing		WSE 350	
Advanced CAD: Computer Aided Design		WSE 351	
CAM for CNC Router & Laser Engraver		WSE 352	
Timer Tectonics in the Digital Age		WSE 425	
Entrepreneurial Product Development I		WSE 450	
Entrepreneurial Product Development II		WSE 451	
Industrial Marketing in the Forest Sector		WSE 455	
Bio-Based Product Manufacturing		WSE 461	
Advanced Manufacturing I		WSE 462	
Advanced Manufacturing II		WSE 463	

General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.

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 227 Completed as part of major: COMM 111 or 114 HHS 231 & 241/PAC Course
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 122 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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