

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

**CORVALLIS**

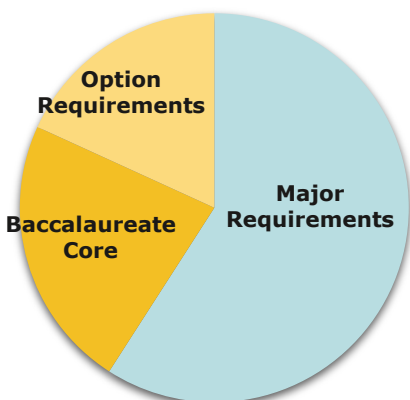
**Chemeketa  
Community College**

## 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](http://forestry.oregonstate.edu/undergraduate-programs/rm/science-and-engineering)

## Courses Required for Wood Innovation Major

| WINS Core Requirements<br><i>Complete one course per category</i> | Chemeketa Course | OSU Course | Notes                   |
|---|------------------|------------|-------------------------|
| General Chemistry I   | CH 121           | CH 121     | Available online at OSU |
| General Chemistry II  | CH 122           | 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  |                  | FES 240    | Available online at OSU |
| Introduction to Forestry  |                  | FOR 111    | Available online at OSU |
| Computing Applications in Forestry                                |                  | FOR 112    | Available online at OSU |
| Writing in Business   | BA 214           | WR 214     | Available online at OSU |
| Technical Writing   | WR 227Z          | WR 227Z    | Available online at OSU |
| Wood Innovations 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    |                         |
| 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><br><i>Complete one course per category unless otherwise noted</i>                                      | <b>Chemeketa Course</b> | <b>OSU Course</b> | <b>Notes</b>            |
|---|-------------------------|-------------------|-------------------------|
| General Chemistry III with Lab  | CH 123                  | 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  | PH 201                  | PH 201            | Available online at OSU |
| Calc-Based Physics I with Lab   | PH 211                  | PH 211            | Available online at OSU |
| General Physics II with Lab   | PH 202                  | PH 202            | Available online at OSU |
| Calc-Based Physics II with Lab  | PH 212                  | PH 212            | Available online at OSU |
| General Physics III with Lab  | PH 203                  | PH 203            | Available online at OSU |
| Calc-Based Physics III with Lab   | PH 213                  | PH 213            | Available online at OSU |
| Principles of 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           |                         |
| Renewable Materials in Building Construction  |                         | WSE 471           |                         |
| <b>Area of Concentration – 16 credits req'd.</b><br>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 Chemeketa courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-chemeketa-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-chemeketa-community-college)

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|----------------------------|--|---|
| <b>SKILLS COURSES</b>      | Math<br>Writing I<br>Writing II<br>Speech (Writing III)<br>Fitness   | Completed as part of major: MTH 241 or 251<br>WR 121. Required to transfer.<br>Completed as part of major: BA 214 or WR 227Z<br>Completed as part of major: COMM 111Z,112, or 218Z<br>HPE 295   |
| <b>PERSPECTIVE COURSES</b> | Biological Science<br>Physical Science<br>Additional Biological or Physical Science<br>Cultural Diversity<br>Literature and the Arts<br>Social Processes and Institutions<br>Western Culture | Completed as part of major: FES 240 at OSU<br>Completed as part of major: CH 122<br>Completed as part of major: WSE 210 at OSU<br>Choose one course from Bacc Core link above<br>Choose one course from Bacc Core link above<br>Completed as part of major: EC 201<br>Choose one course from Bacc Core link above |
| <b>DPD COURSE</b>          | Difference, Power, & Discrimination  | Choose one course from Bacc Core link above   |
| <b>SYNTHESIS COURSES</b>   | Contemporary Global Issues<br>Science, Technology, & Society   | Upper division course, take through OSU<br>Completed as part of major: WSE 385 @ 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](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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| <b>Chemeketa Community College</b>                         | Joleen Schilling, Horticulture Faculty<br>503-399-5150<br><a href="mailto:Joleen.schilling@chemeketa.edu">Joleen.schilling@chemeketa.edu</a> |
| <b>OSU College of Forestry<br/>Student Services Office</b> | 541-737-1594<br><a href="mailto:forestrystudentservices@oregonstate.edu">forestrystudentservices@oregonstate.edu</a>                         |