## Renewable Materials Major with Art & Design 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.

A&D students engage with renewable materials on an aesthetic level, whether as interior designers, fine artists, or entrepreneurs. Learn how renewable materials function in human space, building with green materials, and green architecture.

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## 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 135 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/art-and-design

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## Courses Required for Renewable Materials Major

<table>
<thead>
<tr>
<th>RM Core Requirements</th>
<th>Clatsop Course</th>
<th>OSU Course</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Complete one course per category</td>
<td>General Chemistry I</td>
<td>CH 121</td>
<td>Available online at OSU</td>
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<td></td>
<td>General Chemistry II</td>
<td>CH 122</td>
<td>Available online at OSU</td>
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<tr>
<td></td>
<td>Public Speaking Argument &amp; Critical Discourse</td>
<td>SP 111, SP 112</td>
<td>COMM 111, COMM 114</td>
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<td></td>
<td>Forest Biology</td>
<td>FES 240</td>
<td>Available online at OSU</td>
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<td></td>
<td>Introduction to Forestry</td>
<td>FOR 111</td>
<td>Available online at OSU</td>
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<tr>
<td></td>
<td>Computing Applications in Forestry</td>
<td>FOR 112</td>
<td>Available online at OSU</td>
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<tr>
<td></td>
<td>English Composition</td>
<td>WR 121</td>
<td>WR 121</td>
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<tr>
<td></td>
<td>Writing in Business Technical Writing</td>
<td>BA 214, WR 227</td>
<td>WR 214, WR 327</td>
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<td></td>
<td>Renewable Materials for a Green Planet</td>
<td>WSE 111</td>
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<td></td>
<td>Renewable Materials Technology &amp; Utilization</td>
<td>WSE 210</td>
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<td></td>
<td>Principles of Architectural Design</td>
<td>WSE 223</td>
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<td></td>
<td>CAD: Computer Aided Design</td>
<td>WSE 250</td>
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<td></td>
<td>Anatomy of Renewable Materials</td>
<td>WSE 320</td>
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<td></td>
<td>Chemistry of Renewable Materials</td>
<td>WSE 321</td>
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<td></td>
<td>Physical and Mechanical Properties of RN</td>
<td>WSE 322</td>
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<td></td>
<td>Renewable Materials Laboratory</td>
<td>WSE 324</td>
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<td></td>
<td>Forest Products Business</td>
<td>WSE 455</td>
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<td></td>
<td>Renewable Materials Manufacturing Exper.</td>
<td>WSE 465</td>
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</tbody>
</table>
## Courses Required for Art & Design Option

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Clatsop Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-D Core Studio</td>
<td>ART 115</td>
<td>ART 115</td>
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<tr>
<td>3-D Core Studio</td>
<td>ART 117</td>
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<tr>
<td>Drawing Core Studio</td>
<td>ART 131</td>
<td>ART 131</td>
<td></td>
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<tr>
<td>Drawing II/Figure</td>
<td>ART 132</td>
<td>ART 234</td>
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<tr>
<td>Sculpture I</td>
<td>ART 276</td>
<td>ART 291</td>
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<tr>
<td>Computer Aided Design</td>
<td>DSGN 121</td>
<td></td>
<td>Available online at OSU</td>
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<tr>
<td>Math for Mgmt, Life, and Social Science</td>
<td>MTH 251 substitutes MTH 245</td>
<td></td>
<td>Available online at OSU</td>
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<tr>
<td>Principles of Statistics I</td>
<td>MTH 243</td>
<td>ST 201</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Principles of Statistics II</td>
<td>MTH 244</td>
<td>ST 202</td>
<td>Available online at OSU</td>
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<tr>
<td>Wood turning with Science I</td>
<td>WSE 211</td>
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<tr>
<td>Industrial Hemp</td>
<td>WSE 266</td>
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<td>Available online at OSU</td>
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<tr>
<td>Advanced CAD: Computer Aided Design</td>
<td>WSE 351</td>
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<tr>
<td>CAM for CNC Router &amp; Laser Engraver</td>
<td>WSE 352</td>
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<tr>
<td>Bamboolooza: Fascinating World of Bamboo</td>
<td>WSE 392</td>
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<td>Available online at OSU</td>
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<tr>
<td>Art &amp; Design Capstone</td>
<td>WSE 414</td>
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### Area of Concentration – 12 credits req’d.

- Intro to the Visual Arts
  - ART 101
  - Available online at OSU
- Foundations: Computers in Visual Art
  - ART 121
  - Available online at OSU
- Intro to Asian Art
  - ART 208
- Color in the Visual Arts
  - ART 215
- Digital Photography
  - ART 161, 162, or 163
- Early Chinese Art & Archaeology
  - ART 263
  - Available online at OSU
- Late Chinese Art & Culture
  - ART 310
- Art of Japan
  - ART 311
- Drawing Concepts
  - ART 313
- Installation
  - ART 331
- History of Design
  - ART 351
- Woodturning with Science II
  - ART 367
  - Available online at OSU
- Woodworking for Art & Design
  - ART/WSE 413
- Entrepreneurial Product Development I
  - WSE 350
- Entrepreneurial Product Development II
  - WSE 450
- Approved COF International Programs
  - WSE 451

### Upper-Division Studio – 12 credits req’d.

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Updated July 2020
**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 Clatsop CC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clatsop-community-college](admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clatsop-community-college)

| SKILLS COURSES | Math  
|                | Writing I  
|                | Writing II  
|                | Speech (Writing III)  
|                | Fitness  
|                | Completed as part of major: MTH 245  
|                | WR 121. Required to transfer.  
|                | Completed as part of major: WR 214 or 327  
|                | Completed as part of major: COMM 111 or 114  
|                | HPE 295 @ Clatsop  

| 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 area of concentration  
|                     | Choose one course from area of concentration  
|                     | Choose one course from Bacc Core link above  
|                     | Completed as part of major: WSE 266  

| 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  
|                   | Completed as part of major: WSE 392  

**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](visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

| Clatsop Community College Advising | clatsopcc.edu/academic-planning/academic-advising/  
|-----------------------------------|-------------------------------------------------  
| OSU College of Forestry Prospective Student Advisor | Autumn Granger  
|                                                   | 541-737-9135  
|                                                   | Autumn.granger@oregonstate.edu  

*Updated July 2020*