BioResource Research

BioResource Research students acquire research experience and broadly based knowledge in interdisciplinary fields of agricultural, environmental, food, health and forest sciences.

Many become industrial or academic research professionals in science. Others will enter graduate and professional schools in the life sciences or become secondary school science teachers.

Students take science core courses, complete an option in the FANH (Food, Agriculture, Natural resources, and Human) sciences, and do a research project of their choice under the guidance of a faculty mentor.

Students must select one option below:

- Animal Reproduction and Development
- Applied Genetics
- Bioproducts and Bioengineering
- Climate and Biosystems Modeling
- Environmental Chemistry
- Food Quality
- Genomics/Bioinformatics
- Pest Biology and Management
- Plant Growth and Development
- Sustainable Ecosystems
- Toxicology
- Water Resources

Your Bachelor’s Degree (BS) in BioResource Research

<table>
<thead>
<tr>
<th>Option Requirements</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Baccalaureate Core</td>
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Courses Required for BioResource Research Major

<table>
<thead>
<tr>
<th>This list is not comprehensive. Contact an OSU advisor for more information.</th>
<th>Clack. CC Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BI 211</td>
<td>BI LD2</td>
<td>Only select one full series (either all 211-213 or all of 221-223) OSU now only offers BI 221-223. If taking BI 211-213, you must take entire series at Clackamas. Refer to <a href="https://admissions.oregonstate.edu/ld1-and-ld2-explained">https://admissions.oregonstate.edu/ld1-and-ld2-explained</a> to learn more about BI LD2 equivalency.</td>
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<tr>
<td>Principles of Biology</td>
<td>BI 212</td>
<td>BI LD2</td>
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<tr>
<td>Principles of Biology</td>
<td>BI 213</td>
<td>BI LD2</td>
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<td>BI 221</td>
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<td>BI 222</td>
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<td>BI 223</td>
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<tr>
<td>General Chemistry</td>
<td>CH 221</td>
<td>CH 231/261</td>
<td>Lecture &amp; lab for 200-level Chemistry have separate Course numbers at OSU</td>
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<tr>
<td></td>
<td>CH 222</td>
<td>CH 232/262</td>
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<tr>
<td></td>
<td>CH 223</td>
<td>CH 233/263</td>
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<tr>
<td>General Chemistry</td>
<td>CH 241</td>
<td>CH 332</td>
<td>Must pass the ACS organic exam offered as part of Clackamas course to receive upper division credit: <a href="https://chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies#UGOCCC">chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies#UGOCCC</a></td>
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<tr>
<td></td>
<td>CH 243</td>
<td>CH 333</td>
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<td></td>
<td>CH 242</td>
<td>CH 337</td>
<td></td>
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<tr>
<td>Organic Chemistry</td>
<td>MTH 251</td>
<td>MTH 251</td>
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<td>MTH 252</td>
<td>MTH 252</td>
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<tr>
<td>Mathematics</td>
<td>PH 201</td>
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<td>PH 202</td>
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<td>PH 203</td>
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Updated September 2022
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 Clackamas courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clackamas-community-college](admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clackamas-community-college)

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<thead>
<tr>
<th>SKILLS COURSES</th>
<th>Perspecti ve COURSES</th>
<th>DPD COURSE</th>
<th>SYNTHESIS COURSES</th>
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<tbody>
<tr>
<td>Math</td>
<td>Biological Science</td>
<td>Difference, Power, &amp; Discrimination</td>
<td>Contemporary Global Issues</td>
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<tr>
<td>Writing I</td>
<td>Physical Science</td>
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<td>Science, Technology, &amp; Society</td>
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<tr>
<td>Writing II</td>
<td>Additional Biological or Physical Science</td>
<td>Choose one course from BaccCore link above</td>
<td>Upper division course, take through OSU</td>
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<tr>
<td>Speech (Writing III)</td>
<td>Cultural Diversity</td>
<td>Choose one course from BaccCore link above</td>
<td>Upper division course, take through OSU</td>
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<tr>
<td>Fitness (HHS 231 and 241)</td>
<td>Literature and the Arts</td>
<td>Choose one course from BaccCore link above</td>
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<td>Social Processes and Institutions</td>
<td>Choose one course from BaccCore link above</td>
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<td></td>
<td>Western Culture</td>
<td>Complete as part of major</td>
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<td>WR 121. Required to transfer.</td>
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<td>Completed as part of major</td>
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| Important Notes & Resources                                                   |                                                                                 |                                                                                 |                                                             |
|--------------------------------------------------------------------------------|                                                                                 |                                                                                 |                                                             |
| - See a sample degree plan by searching "BioResource" in the OSU Catalog at catalog.oregonstate.edu. Or find a sample degree plan on the Agricultural Sciences Degree Fact Sheet agsci.oregonstate.edu/degree-fact-sheet/biorentsource-research | BioResource Research offers 14 options which allow students to specialize in a specific area. Our options allow you to address the most important global challenges such as climate change, food security/quality and nutrition, safe water, world health, environment and habitat conservation, and sustainability. More details can be found by searching "BioResource Research" in the OSU Catalog at catalog.oregonstate.edu or by visiting the BioResource Research website at https://agsci.oregonstate.edu/brr | Level 100/200 and lower division Baccalaureate Core are priority courses to complete before transferring to OSU. | |
| - For BioResource Research students, the best time to transfer is fall term. Talk with an OSU advisor about your specific timeline. | It is important to speak with the BioResource Research advisor, Wanda Crannell, early on, and often, to ensure correct course selection and sequencing. Wanda can be reached at wanda.crannell@oregonstate.edu | |
| - Students do not have to complete a transfer degree in order to transfer to OSU. | Resources and OSU Information: | Prepare to apply to OSU? See transfer student admissions info: transfer.oregonstate.edu | |
| o If you’ve completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses. | - Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students | Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students | |
| - Visit OSU for a campus tour and meet with an advisor; schedule your visit at visitosu.oregonstate.edu/visit-campus | Advising Contacts | Visit OSU for a campus tour and meet with an advisor; schedule your visit at visitosu.oregonstate.edu/visit-campus | |
| 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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<thead>
<tr>
<th>Clackamas Community College</th>
<th>OSU College of Agricultural Sciences Student Advisor</th>
</tr>
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</table>
| clackamas.edu/academics/departments-programs | Wanda Crannell  
|                                      | 541-737-2999  
|                                      | Wanda.crannell@oregonstate.edu                           |

OSU College of Agricultural Sciences prohibits discrimination in all its programs, services, activities, and materials.