Major Offered At:
CORVALLIS

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

- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 transfer credits may be applied toward a bachelor’s degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- More info at: [agsci.oregonstate.edu/brr](http://agsci.oregonstate.edu/brr).

Courses Required for BioResource Research Major

<table>
<thead>
<tr>
<th>BRR Core Requirements</th>
<th>Lane Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Principles of 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 Lane CC. Refer to <a href="https://admissions.oregonstate.edu/id1-and-id2-explained">https://admissions.oregonstate.edu/id1-and-id2-explained</a> to learn more about BI LD2 equivalency.</td>
</tr>
<tr>
<td></td>
<td>BI 212</td>
<td>BI LD2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Z/BOT 213</td>
<td>BI LD2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BI 221</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BI 222</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BI 223</td>
<td></td>
</tr>
<tr>
<td><strong>General Chemistry</strong></td>
<td>CH 221+227</td>
<td>CH 231/261</td>
<td>Lecture &amp; lab for 200-level Chemistry have separate Course numbers at OSU</td>
</tr>
<tr>
<td></td>
<td>CH 222+228</td>
<td>CH 232/262</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CH 223+229</td>
<td>CH 233/263</td>
<td></td>
</tr>
<tr>
<td><strong>Organic Chemistry</strong></td>
<td>CH 241</td>
<td>CH 332</td>
<td>Must pass the ACS organic exam offered as part of Lane course to receive upper division credit: <a href="http://chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies#UGOCCC">chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies#UGOCCC</a></td>
</tr>
<tr>
<td></td>
<td>CH 243</td>
<td>CH 333</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CH 242</td>
<td>CH 337</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>MTH 251</td>
<td>MTH 251</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MTH 252</td>
<td>MTH 252</td>
<td></td>
</tr>
</tbody>
</table>

Updated September 2022
Complete one course in each Perspective category with no more than two in the same department.

Full listing of Lane CC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-lane-community-college](admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-lane-community-college)

See a sample degree plan by searching "BioResource" in the OSU Catalog at [catalog.oregonstate.edu](catalog.oregonstate.edu). Or find a sample degree plan on the Agricultural Sciences Degree Fact Sheet [agsci.oregonstate.edu/degree-fact-sheet/bioresource-research](agsci.oregonstate.edu/degree-fact-sheet/bioresource-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](catalog.oregonstate.edu) or by visiting the BioResource Research website at [https://agsci.oregonstate.edu/brr](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.

**Resources and OSU Information:**
- Students do not have to complete a transfer degree in order to transfer to OSU.
  - If you’ve completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See transfer student admissions info: [transfer.oregonstate.edu](transfer.oregonstate.edu)
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: [partnerships.oregonstate.edu/students](partnerships.oregonstate.edu/students)
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at [visitosu.oregonstate.edu/visit-campus](visitosu.oregonstate.edu/visit-campus)

### General Education Courses (called the Baccalaureate Core)

#### Skills Courses
- **Math:** WR 121. Required to transfer.
- **Writing I:** Completed as part of major
- **Writing II:** Completed as part of major
- **Speech (Writing III):** Completed as part of major
- **Fitness (HHS 231 and 241):** HE 275

#### Perspective Courses
- **Biological Science:** Completed as part of major
- **Physical Science:** Completed as part of major
- **Additional Biological or Physical Science:** Completed as part of major
- **Cultural Diversity:** Choose one course from BaccCore link above
- **Literature and the Arts:** Choose one course from BaccCore link above
- **Social Processes and Institutions:** Choose one course from BaccCore link above
- **Western Culture:** Completed as part of major

#### DPD Course
- **Difference, Power, & Discrimination:** Choose one course from BaccCore link above

#### Synthesis Courses
- **Contemporary Global Issues:** Upper division course, take through OSU
- **Science, Technology, & Society:** Upper division course, take through OSU

### Important Notes & Resources

- See a sample degree plan by searching "BioResource" in the OSU Catalog at [catalog.oregonstate.edu](catalog.oregonstate.edu). Or find a sample degree plan on the Agricultural Sciences Degree Fact Sheet [agsci.oregonstate.edu/degree-fact-sheet/bioresource-research](agsci.oregonstate.edu/degree-fact-sheet/bioresource-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](catalog.oregonstate.edu) or by visiting the BioResource Research website at [https://agsci.oregonstate.edu/brr](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.

### 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.

**Lane Community College**
- [lanec.edu/advising/advisors](lanec.edu/advising/advisors)

**OSU College of Agricultural Sciences Student Advisor**
- Wanda Crannell
  - 541-737-2999
  - wanda.crannell@oregonstate.edu

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