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.

Courses Required for BioResource Research Major

<table>
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<tr>
<th>BRR Core Requirements</th>
<th>TVCC Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
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</table>
| Biology
  Principles of Biology
  BIOL 211
  BIOL 212
  BIOL 213
  ----
  ----
  ---- | CH 231/261
  CH 232/262
  CH 233/263 | BI LD2
  BI LD2
  BI LD2 | 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 TVCC.
  Refer to https://admissions.oregonstate.edu/id1-and-id2-explained to learn more about BI LD2 equivalency. |
| General Chemistry     | CHEM 221
  CHEM 222
  CHEM 223 | CH 332
  CH 333
  CH 337 | Lecture & lab for 200-level Chemistry have separate Course numbers at OSU |
| Organic Chemistry     | CHEM 227
  CHEM 229
  CHEM 228 | CH 332
  CH 333
  CH 337 | Must pass the ACS organic exam offered as part of TVCC course to receive upper division credit: chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies#UGOCCC |
| Mathematics           | MTH 251
  MTH 252 | MTH 251
  MTH 252 | |

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

Full listing of Treasure Valley CC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-treasure-valley-community-college

**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 Treasure Valley CC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-treasure-valley-community-college

<table>
<thead>
<tr>
<th>SKILLS COURSES</th>
<th>PERSPECTIVE COURSES</th>
<th>DPD COURSE</th>
<th>SYNTHESIS COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math Writing I Writing II Speech (Writing III) Fitness (HHS 231 and 241)</td>
<td>Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture</td>
<td>Difference, Power, &amp; Discrimination</td>
<td>Contemporary Global Issues Science, Technology, &amp; Society</td>
</tr>
<tr>
<td>Completed as part of major WR 121. Required to transfer. Completed as part of major HPE 295</td>
<td>Completed as part of major Completed as part of major Completed as part of major Choose one course from BaccCore link above Choose one course from BaccCore link above Choose one course from BaccCore link above</td>
<td>Choose one course from BaccCore link above</td>
<td>Upper division course, take through OSU Upper division course, take through OSU</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/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 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.

**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
- 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**

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>Treasure Valley Community College</th>
<th>OSU College of Agricultural Sciences Student Advisor</th>
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<tbody>
<tr>
<td>tvcc.cc/advising/index.cfm</td>
<td>Wanda Crannell 541-737-2999 <a href="mailto:Wanda.crannell@oregonstate.edu">Wanda.crannell@oregonstate.edu</a></td>
</tr>
</tbody>
</table>

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

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