Major Offered At:

Botany

The field of plant biology, which encompasses botany and plant pathology, involves the study of plants at levels of organization ranging from the molecular to the global ecosystem. Plant scientists in the 21st century will be called upon to provide information useful for producing food, fiber and medicine for an increasing population and for increasing our understanding of the diversity of plant and ecological systems and their interactions with humans.

Your Bachelor’s Degree (BS) in Botany

Students must select from one of these options*:
- Comprehensive Botany
- Customized option**
- Ecology, Evolution, Conservation
- Molecular, Cellular, Genomic
- Plant Pathology

*Option-specific coursework only available post-transfer
** Students will work with advisor to develop course plan for this option

Courses Required for Botany Major

<table>
<thead>
<tr>
<th>Botany Core Requirements</th>
<th>OCCC Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td></td>
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<tr>
<td>Introductory Biology</td>
<td></td>
<td>BI 204</td>
<td>BI 204-206 available online to Ecampus students only; may not meet requirements for required courses in this or other programs</td>
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<td></td>
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<td>BI 205</td>
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<td>BI 206</td>
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<tr>
<td>Principles of Biology</td>
<td>BI 211</td>
<td>BI LD2</td>
<td>Only select one full series (either all of 204-206, all of 211-213, or all of 221-223)</td>
</tr>
<tr>
<td></td>
<td>BI 212</td>
<td>BI LD2</td>
<td>OSU now only offers BI 221-223. If taking BI 211-213, you must take entire series at Oregon Coast CC.</td>
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<tr>
<td></td>
<td>BI 213</td>
<td>BI LD2</td>
<td></td>
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<tr>
<td>Principles of Biology</td>
<td></td>
<td>BI 221</td>
<td>Refer to admissions.oregonstate.edu/ld1-and-ld2-explained to learn more about BI LD2 equivalency</td>
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<tr>
<td></td>
<td></td>
<td>BI 222</td>
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<td></td>
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<td>BI 223</td>
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<tr>
<td>General Chemistry</td>
<td></td>
<td>CH 121</td>
<td>CH 121-123 available online at OSU</td>
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<td></td>
<td></td>
<td>CH 122</td>
<td>Only select one full series (either all 100-level, or 200-level)</td>
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<td></td>
<td></td>
<td>CH 123</td>
<td>Lecture &amp; lab for 200-level Chemistry have separate course numbers at OSU</td>
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<tr>
<td>Organic Chemistry</td>
<td>CH 221</td>
<td>CH 231/261</td>
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<tr>
<td></td>
<td>CH 222</td>
<td>CH 232/262</td>
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<td></td>
<td>CH 223</td>
<td>CH 233/262</td>
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<td></td>
<td>CH 241</td>
<td>CH 331</td>
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<tr>
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<td>CH 243</td>
<td>CH 332</td>
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</tbody>
</table>
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 Oregon Coast CC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-oregon-coast-community-college](admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-oregon-coast-community-college)

**SKILLS COURSES**

- Math Writing I WR 121. Required to transfer.
- Writing II Choose one course from BaccCore link above
- Speech (Writing III) Choose one course from BaccCore link above
- Fitness (Only HHS 231) HE 295

**PERSPECTIVE COURSES**

- Biological Science
- Physical Science
- Additional Biological or Physical Science
- Cultural Diversity
- Literature and the Arts
- Social Processes and Institutions
- Western Culture

**DPD COURSE**

- Difference, Power, & Discrimination Choose one course from BaccCore link above

**SYNTHESIS COURSES**

- Contemporary Global Issues
- Science, Technology, & Society Upper division course, take through OSU

Important Notes & Resources

- See a [sample degree plan](catalog.oregonstate.edu) by searching "Botany" in the OSU Catalog at [catalog.oregonstate.edu](catalog.oregonstate.edu). Or find a sample degree plan on the Botany and Plant Pathology Degree Fact Sheet [agsci.oregonstate.edu/degree-fact-sheet/botany](agsci.oregonstate.edu/degree-fact-sheet/botany)
- Botany offers 5 options which allow students to specialize. The options are [Comprehensive Botany](catalog.oregonstate.edu), Customizable, [Ecology, Evolution, and Conservation](catalog.oregonstate.edu), [Molecular, Cellular, and Genomic Botany](catalog.oregonstate.edu), and Plant Pathology. More details can be found by searching "Botany" in the OSU Catalog at [catalog.oregonstate.edu](catalog.oregonstate.edu)
- Other similar majors to explore: Horticulture, [Crop & Soil Science](catalog.oregonstate.edu), and [Biology](catalog.oregonstate.edu). Check out all OSU programs at [catalog.oregonstate.edu](catalog.oregonstate.edu).
- Level 100/200 and lower division Baccalaureate Core are priority courses to complete before transferring to OSU.
- For Botany students, the best time to transfer is fall term, particularly due to the Botany series courses. Talk with an OSU advisor about your specific timeline.
- It is important to speak with the Botany Advisor Sushma Naithani early on, and often, to ensure correct course selection and sequencing. Sushma can be reached at Naithans@science.oregonstate.edu.

**Resources and OSU Information:**

Revised as of September 2022
• Students do not have to complete a transfer degree in order to transfer to OSU.
  o 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.

| Oregon Coast Community College | oregoncoast.edu/advising/ |
| OSU College of Agricultural Sciences Student Advisors | Campus: Sushma Naithani, Naithans@science.oregonstate.edu,  
  Ecampus: Marc Curtis, 541-737-5287 Marc.curtis@oregonstate.edu |

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