Major Offered At:
CORVALLIS  ECAMPUS

Treasure Valley Community College

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.

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

Your Bachelor’s Degree (BS) in Botany

- 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: bpp.oregonstate.edu/bpp/academics/botany-undergraduate-major

Courses Required for Botany Major

<table>
<thead>
<tr>
<th>Botany Core Requirements</th>
<th>TVCC Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>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>Introductory Biology</td>
<td>BIOL 211</td>
<td>BI LD2</td>
<td>Only select one full series (either all of 211-213, or all of 221-223)</td>
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<tr>
<td></td>
<td>BIOL 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 Treasure Valley CC.</td>
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<tr>
<td></td>
<td>BIOL 213</td>
<td>BI LD2</td>
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<tr>
<td>Principles of Biology</td>
<td>BI 221</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>BI 222</td>
<td>BI 222</td>
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<tr>
<td></td>
<td>BI 223</td>
<td>BI 223</td>
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<tr>
<td>General Chemistry</td>
<td>CHEM 121</td>
<td>CH 121</td>
<td>CH 121-123 available online at OSU</td>
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<tr>
<td></td>
<td>CHEM 122</td>
<td>CH 122</td>
<td>Only select one full series (either all 100-level, or 200-level)</td>
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<tr>
<td></td>
<td>CHEM 123</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></td>
<td>CHEM 221</td>
<td>CH 231/261</td>
<td></td>
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<tr>
<td></td>
<td>CHEM 222</td>
<td>CH 232/262</td>
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</tr>
<tr>
<td></td>
<td>CHEM 223</td>
<td>CH 233/262</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>CHEM 227</td>
<td>CH 331</td>
<td></td>
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<tr>
<td></td>
<td>CHEM 229</td>
<td>CH 332</td>
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</tbody>
</table>

Updated September 2021
Botany Core Requirements, cont. | TVCC Equivalent Course | OSU Course | Notes
--- | --- | --- | ---
Mathematics | MTH 111 | MTH 111 | Complete 8 credits.
College Algebra | MTH 112 | MTH 112 | Work with OSU advisor to discuss best course for preferred option
Elementary Functions | -- | MTH 231 | --
Elements of Discrete Math | -- | MTH 241 | --
Calc for Mgmt, Social Sci | MTH 251 | MTH 251 | --
Differential Calc | MTH 252 | MTH 252 | --
Integral Calc | -- | -- | --
Additional Quantitative Skills | CS 161 | CS 161 | Complete 2(two) courses
Into to Comp Sci I | CS 162 | CS 162 | Other 2(two) courses available post-transfer. Work with OSU advisor for course selection
Intro to Comp Sci II | GEOG 285 | GEOG 360 (LD) | GEOG 361
GIScience I: GIS and Theory | -- | PH 201 | --
GIScience II: Analysis/Application | PHYS 201 | PH 201 | PH 265
Gen Physics | -- | -- | --
Scientific Computing | -- | -- | --
Intro to Plant Botany | -- | BOT 220 | Available online at OSU
Plant Structure | -- | BOT 313 | Available online at OSU
Plant Systematics | -- | BOT 321 | Available online at OSU
Plant Physiology | -- | BOT 331 | Available online at OSU
Lab techniques for Plant Biology | -- | BOT 332 | Available online at OSU
Plant Ecology | -- | BOT 341 | Available online at OSU

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](admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-treasure-valley-community-college)

| SKILLS COURSES | Math | Writing I | Writing II | Speech (Writing III) | Fitness (HHS 231 and 241) | Completed as part of major
|---|---|---|---|---|---|---
| | | | | | | WR 121. Required to transfer.
| | | | | | | Choose one course from BaccCore link above
| | | | | | | Choose one course from BaccCore link above
| | | | | | | HPE 295

| 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
|---|---|---|---|---|---|---|---|---
| | | | | | | | | 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
| | | | | | | | | Choose one course from BaccCore link above

| 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
|---|---|---|---|
| | | | Upper division course, take through OSU

Important Notes & Resources

- See a [sample degree plan](catalog.oregonstate.edu) by searching "Botany" in the OSU Catalog. 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](catalog.oregonstate.edu), [Ecology, Evolution, and Conservation](catalog.oregonstate.edu), [Molecular, Cellular, and Genomic Botany](catalog.oregonstate.edu), and [Plant Pathology](catalog.oregonstate.edu). More details can be found by searching "Botany" in the OSU Catalog.
- Other similar majors to explore: [Horticulture](catalog.oregonstate.edu), [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 Marc Curtis early on, and often, to ensure correct course selection and sequencing. Marc can be reached at Marc.Curtis@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.

<table>
<thead>
<tr>
<th>Treasure Valley Community College</th>
<th>tvcc.cc/advising/index.cfm</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSU College of Agricultural Sciences Student Advisors</td>
<td>Campus: Sushma Naithani, <a href="mailto:Sushma.naithani@Oregonstate.edu">Sushma.naithani@Oregonstate.edu</a>, Ecampus: Marc Curtis, 541-737-5287 <a href="mailto:Marc.curtis@oregonstate.edu">Marc.curtis@oregonstate.edu</a></td>
</tr>
</tbody>
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OSU College of Agricultural Sciences prohibits discrimination in all its programs, services, activities, and materials.