

Major Offered At:

Blue Mountain Community College

CORVALLIS

ECAMPUS

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.

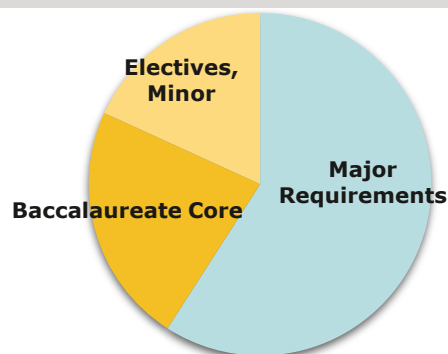
Students must select from one of these options*:

- Comprehensive Botany
- Customized option**
- Ecology, Evolution, Conservation
- Molecular, Cellular, Genomic
- Mycology & 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.
- Some courses may count towards your major and the Baccalaureate Core. Check with your OSU advisor.
- Option required for Botany major.
- More info at: <https://bpp.oregonstate.edu/bpp/academics/botany-undergraduate-major>

Courses Required for Botany Major

| Botany Core Requirements This list is not comprehensive. Contact an OSU advisor for more information. | BMCC Equivalent Course | OSU Course | Notes |
|---|----------------------------|--|--|
| Biology | -- | BI 204 BI 205 BI 206 | BI 204-206 available online to Ecampus students only; may not meet requirements for required courses in this or other programs |
| Introductory Biology | -- | | |
| Principles of Biology | BI 211 BI 212 BI 213 | BI LD2 BI LD2 BI LD2 | Only select one full series (either all of 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 BMCC. |
| Principles of Biology | -- | BI 221 BI 222 BI 223 | Refer to admissions.oregonstate.edu/ld1-and-ld2-explained to learn more about BI LD2 equivalency |
| General Chemistry | -- | CH 121 CH 122 CH 123 | CH 121-123 available online at OSU Only select one full series (either all 100-level, or 200-level) |
| | CH 221 CH 222 CH 223 | CH 231/261 CH 232/262 CH 233/262 | Lecture & lab for 200-level Chemistry have separate Course numbers at OSU |
| Organic Chemistry | CH 241 CH 243 | CH 331 CH 332 | |
| Botany Core Requirements, cont. | BMCC Equivalent | OSU Course | Notes |

| | Course | | |
|------------------------------------|----------|----------|--|
| Mathematics | | | |
| Precalculus I: Functions | MTH 111Z | MTH 111Z | Complete 8 credits. Work with OSU advisor to discuss best course for preferred option |
| Precalculus II: Trigonometry | MTH 112Z | MTH 112Z | |
| Elements of Discrete Math | -- | MTH 231 | |
| Calc for Mgmt, Social Sci | MTH 241 | MTH 241 | |
| Differential Calc | MTH 251 | MTH 251 | |
| Integral Calc | MTH 252 | MTH 252 | |
| Additional Quantitative Skills | | | |
| Intro to Comp Sci I | -- | CS 161 | Complete 2(two) courses |
| Intro to Comp Sci II | -- | CS 162 | Other options available post-transfer. Work with OSU advisor for course selection |
| GIScience I: GIS and Theory | -- | GEOG 360 | |
| GIScience II: Analysis/Application | -- | GEOG 261 | |
| Gen Physics | PHY 201 | PH 201 | |
| Scientific Computing | -- | PH 265 | |
| Intro to Plant Botany | -- | BOT 220 | Available online at OSU |
| Plant Structure | -- | BOT 313 | Available online at OSU |
| Plant Systematics | BOT 221 | 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 Blue Mountain CC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-blue-mountain-community-college

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|----------------------------|--|--|
| SKILLS COURSES | Math Writing I Writing II Speech (Writing III) Fitness (HHS 231 and 241) | Completed as part of major WR 121Z. Required to transfer. Choose one course from BaccCore link above Choose one course from BaccCore link above HE 291 |
| 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 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](#) by searching "Botany" in the OSU Catalog at 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
- Botany offers 5 options which allow students to specialize. The options are [Comprehensive Botany](#), [Customizable, Ecology, Evolution, and Conservation](#), [Molecular, Cellular, and Genomic Botany](#), and [Mycology & Plant Pathology](#). More details can be found by searching "Botany" in the OSU Catalog at catalog.oregonstate.edu
- Other similar majors to explore: [Horticulture](#), [Crop & Soil Science](#), and [Biology](#). Check out all OSU programs at 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 Advisors [Megan Hughes](#) (Corvallis) or [Amy Honan](#) (Ecampus) early on, and often, to ensure correct course selection and sequencing.

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/student-information
- 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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| Blue Mountain Community College | bluecc.edu/enrollment-services/advising |
| OSU College of Agricultural Sciences Student Advisors | Corvallis: Megan Hughes, 541-737-6201 megan.hughes@oregonstate.edu Ecampus: Amy Honan amy.honan@oregonstate.edu |

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