**Biology**

Biolists are interested in all aspects of living things, from their individual cellular processes to how they function in ecosystems. As a discipline, Biology is central to areas such as medicine, agriculture, and conservation.

Students in Biology are prepared for a variety of life sciences careers, and the major includes transcript visible options in: Ecology, Genetics, Marine Biology, Pre-Dentistry, Pre-Education, Pre-Medicine and Pre-Veterinary Medicine. (Choosing an option is not required). After receiving their B.S. degree from OSU, many Biology students go on to science graduate and profession programs.

**Zoology**

Zoologists are interested in all aspects of animals including, but not limited to, their diversity, physiology, ecology, evolution and conservation. The Zoology major prepares students for application of this knowledge in a variety of areas.

Zoology students enter careers such as museum curation, informal education, animal care and husbandry, government agencies, environmental consulting, and wildlife and field biology (Zoology is NOT appropriate for those interested in being Pre-Vet— See Biology).

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### Your Bachelor’s Degree in the OSU College of Science:

- A minimum of 180 credits are required for graduation. 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor’s degree at OSU.
- Only courses with letter prefixes and numbers above 100 can be accepted.
- See OSU Catalog for a list of courses required for your major and option: [http://catalog.oregonstate.edu/DegreeSearcher.aspx?formstate=undermajors](http://catalog.oregonstate.edu/DegreeSearcher.aspx?formstate=undermajors)

### Courses for these Majors: (offered at the community college)

Mathematics and General Chemistry, as well as some Bacc Core classes are priority courses to complete before transferring to OSU.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>CCC Equivalent</th>
<th>OSU Courses for Biology Majors</th>
<th>OSU Courses for Zoology Majors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mathematics</strong></td>
<td>MTH 251, MTH 252</td>
<td>MTH 251, MTH 252</td>
<td>MTH 251, MTH 252</td>
</tr>
<tr>
<td><strong>General Chemistry</strong></td>
<td>CH 221, 222, 223</td>
<td>CH 231/261, 232/262, 233/263 Lecture and lab have separate course numbers at OSU (Lecture/Lab).</td>
<td>CH 231/261, 232/262, 233/263 Lecture and lab have separate course numbers at OSU (Lecture/Lab).</td>
</tr>
</tbody>
</table>

*Students need a C– or higher in the Chemistry 200-series (OSU or transfer) before moving on to upper division (300-400 level) Chemistry courses.*

**Principles of Biology**

BI 211, 212, 213**

**Students should take the entire series at either CCC or OSU. Do not split series between schools. Students need a C– or higher in BI 211, 212, & 213 (OSU or transfer) before moving on to upper division (300-400 level) Biology & Zoology courses.**

<table>
<thead>
<tr>
<th>Physics</th>
<th>PH 201, 202, 203</th>
<th>PH 201, 202, 203</th>
<th>Not Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing I</td>
<td>WR 121</td>
<td>WR 121</td>
<td>WR 121</td>
</tr>
<tr>
<td>Writing II</td>
<td>WR 122 or WR 227*</td>
<td>WR 222 or WR 327</td>
<td>WR 222 or WR 327</td>
</tr>
<tr>
<td>Communications</td>
<td>SP 111 or SP 218*</td>
<td>COMM 111 or COMM 218*</td>
<td>COMM 111 only</td>
</tr>
</tbody>
</table>

*Preferred for human pre-health professions students (not pre-vet)*
General Education Courses: (called the Baccalaureate Core)
- Complete one course in each Perspectives category with no more than two in the same department.
- The Oregon AAOT satisfies all lower division requirements of the Baccalaureate Core (all but Synthesis Courses*).
- The College of Science allows courses to double count between your major and the Baccalaureate Core.
- See Baccalaureate Core transfer guide* for specific community college courses meeting these requirements: [http://oregonstate.edu/admissions/main/baccalaureate-core-course-equivalencies](http://oregonstate.edu/admissions/main/baccalaureate-core-course-equivalencies)

**SKILLS COURSES**
- Math
- Writing I
- Writing II
- Speech (Writing III)
- Fitness

**Completed as part of major. Required to transfer.**
**Limited number of acceptable options for OSU Biology & Zoology majors, see front page***

**PERSPETIVES COURSES**
- Biological Science
- Physical Science
- 2nd Biological or Physical Science
- Cultural Diversity
- Literature and the Arts
- Social Processes and Institutions
- Western Culture

**Completed as part of major**
**Many options, see transfer guide***

**DPD COURSE**
- Difference, Power, & Discrimination

**Many options, see transfer guide***

**SYNTHESIS COURSES**
- Contemporary Global Issues
- Science, Technology, & Society

**Upper division course, take at OSU**

Important Notes and Resources:
- For science students, the best time to transfer is fall term, particularly due to the science series courses. Talk with an OSU advisor about your specific timeline.
- Students do not have to complete a transfer degree in order to transfer to OSU. Following the sample two-year plan below can help ease the transfer.
- Preparing to apply to OSU? See admissions info: [http://oregonstate.edu/admissions/transfer.html](http://oregonstate.edu/admissions/transfer.html)
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: [http://oregonstate.edu/partnerships/students](http://oregonstate.edu/partnerships/students)

Example Two-Year Transfer Plan:
This is one possible plan based on full-time attendance. See your community college academic advisor to create your personalized plan.

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Winter Term</th>
<th>Spring Term</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>Math</td>
<td>Math</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>General Chemistry</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>WR 121</td>
<td>Bacc Core</td>
<td>Bacc Core</td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math (if needed) or Bacc Core</td>
<td>Math (if needed) or Bacc Core</td>
<td>Math (if needed) or Bacc Core</td>
</tr>
<tr>
<td>Principles of Biology</td>
<td>Principles of Biology</td>
<td>Principles of Biology</td>
</tr>
<tr>
<td>Physics</td>
<td>Physics</td>
<td>Physics</td>
</tr>
</tbody>
</table>

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. Also, consider visiting OSU to take a campus tour and meet with an advisor. See [http://oregonstate.edu/visitosu/tour](http://oregonstate.edu/visitosu/tour) to schedule your personalized visit.

Clatsop Community College [https://www.clatsopcc.edu/academics/academic-advising](https://www.clatsopcc.edu/academics/academic-advising)

OSU Biology & Zoology [http://ib.oregonstate.edu/future-undergrads](http://ib.oregonstate.edu/future-undergrads)
Brock McLeod, 541-737-2993, brock.mcleod@oregonstate.edu

OSU College of Science main office 541-737-4811, science@oregonstate.edu