Animal Sciences

The curriculum designates university and departmental requirements for the Bachelors of Science degree in Animal Sciences. Diverse teaching and research programs allow students to gain skills, knowledge, and practical experience. This will prepare students graduating from the program to pursue an assortment of employment opportunities.

Students may select from options:
- Animal Behavior
- Animal BioHealth/Pre-Professional
- Animal Production
- Equine
- Rangeland Sciences.

Your Bachelor’s Degree (BS) in Animal Sciences

- 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/main/degree/animal-sciences

Courses Required for Animal Sciences Major

<table>
<thead>
<tr>
<th>Animal Science Core Requirements</th>
<th>Clack. Equivalent Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra</td>
<td>MTH 111</td>
<td>MTH 111</td>
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<tr>
<td>Elementary Functions</td>
<td>MTH 112</td>
<td>MTH 112</td>
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<tr>
<td>Principles of Statistics</td>
<td>MTH 243</td>
<td>ST 201</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>BI 211</td>
<td>BI LD2</td>
<td>Only select one full series (either all 211-213 or all of 221-223)</td>
</tr>
<tr>
<td>Principles of Biology</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 Clackamas.</td>
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<tr>
<td></td>
<td>BI 213</td>
<td>BI 221</td>
<td>Refer to <a href="https://admissions.oregonstate.edu/ld1-and-lld2-explained">https://admissions.oregonstate.edu/ld1-and-lld2-explained</a> to learn more about BI LD2 equivalency.</td>
</tr>
<tr>
<td>Principles of Biology</td>
<td>-----</td>
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</tr>
<tr>
<td>Intro to Microbiology</td>
<td>BI 234</td>
<td>MB 230</td>
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<tr>
<td>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 sequence (either all 100-level, or 200-level)</td>
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<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>CH 221</td>
<td>CH 231/261</td>
<td>See list of coursework within Options below for further guidance.</td>
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<tr>
<td></td>
<td>CH 222</td>
<td>CH 232/262</td>
<td></td>
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<tr>
<td></td>
<td>CH 223</td>
<td>CH 233/262</td>
<td></td>
</tr>
<tr>
<td>Additional Science</td>
<td>CH 241</td>
<td>CH 331 (LD)</td>
<td>Complete one(1) course from options</td>
</tr>
<tr>
<td>Orientation</td>
<td>--</td>
<td>ANS 100</td>
<td></td>
</tr>
<tr>
<td>Intro to Animal Science</td>
<td>--</td>
<td>ANS 121</td>
<td>Available online at OSU</td>
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<table>
<thead>
<tr>
<th>Sophomore Seminar</th>
<th>--</th>
<th>ANS 207</th>
<th>Available online at OSU</th>
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</thead>
<tbody>
<tr>
<td>Communication</td>
<td>COMM 111</td>
<td>COMM 111</td>
<td>Complete one(1) course from options</td>
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<td></td>
<td>COMM 114</td>
<td>COMM 114</td>
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<tr>
<td></td>
<td>COMM 218</td>
<td>COMM 218</td>
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<tr>
<td>Animals Food Technology</td>
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<td>ANS 251</td>
<td></td>
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<tr>
<td>Applied Animal Nutrition</td>
<td>--</td>
<td>ANS 313</td>
<td>Available online at OSU</td>
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</tbody>
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### Additional course requirements

<table>
<thead>
<tr>
<th>Business</th>
<th>--</th>
<th>AEC 211</th>
<th>Complete one (1) course from options</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>AEC 221</td>
<td>All courses listed: Available online at OSU</td>
</tr>
<tr>
<td></td>
<td>BA 250</td>
<td>BA 260</td>
<td></td>
</tr>
<tr>
<td>Animal Industries</td>
<td>--</td>
<td>ANS 215</td>
<td>Complete two(2) courses from options</td>
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<tr>
<td></td>
<td>--</td>
<td>ANS 216</td>
<td>ANS 280: Available online at OSU</td>
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<td></td>
<td>--</td>
<td>ANS 217</td>
<td>See coursework in options below for further guidance</td>
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<tr>
<td></td>
<td>--</td>
<td>ANS 220</td>
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<td>ANS 280</td>
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</tbody>
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**Additional coursework to complete:**
- 20 credits of Ag Electives
  - AG
  - AREC
  - CSS
  - FOR
  - FW
  - HORT
  - RNG
  - Speak with OSU Advisor to see how courses may fulfill requirements

### Courses Required for Major: Option specific

**Note: Students are not required to complete an Animal Science Option.**

#### Animal Behavior
- General Psychology I
  - PSY 200 | PSY 201
- General Psychology II
  - PSY 205 | PSY 202
- Brain and Behavior
  - -- | PSY 330 | Available online at OSU

#### Animal BioHealth/Pre-Professional
- Organic Chemistry
  - CH 241 | CH 331 | Must pass the ACS organic exam offered as part of Clackamas CC course to receive upper division credit [chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies](chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies)
  - CH 242 | CH 332
  - CH 243 | CH 333
- General Physics I
  - PH 201 | PH 201
- General Physics II
  - PH 202 | PH 202

#### Animal Production
- Animal Industries
  - -- | ANS 215 | Complete one(1) course from options |
  - -- | ANS 216 | Will also fulfill the Animal Industries requirement in Core |
  - -- | ANS 217 |
- Dairy Cattle or Livestock Evaluation
  - -- | ANS 230 | Complete one(1) course from options |
  - -- | ANS 231 |
- Business
  - -- | BA 215 | Complete one(1) course from options, speak with advisor for course selection |
  - BA 226 | BA 230 |
  - BA 250 | BA 260 |

#### Equine
- Intro to Horse Science
  - -- | ANS 220 |
- Choose one emphasis: Management or General Emphasis; or Human or Animal Therapy Emphasis

##### Management, General
- -- | ANS 223 | Complete 9 credits; other courses available post-transfer |
- -- | BA 215 | May only complete either BA 230 or AEC 388, not both |
- BA 226 | BA 230 |
- BA 250 | BA 260 |

##### Human or Animal Therapy
- BA 250 | BA 260 | Complete 9 credits; other courses available post-transfer |
- COMM 218 | COMM 218 |
- PHL 12 | PHL 205 |
- PSY 200 | PSY 201 |
- PSY 205 | PSY 202 |
- -- | PSY 330 |
- -- | PSY 381 |
- -- | PSY 381 |
- PHL 205 | PHL 205 |
- PSY 201 | PSY 202 |
- PSY 330 | PSY 381 |
- PSY 381 | PSY 381 |
- COMM 218 will also complete Communication Requirement |
- All coursework listed: Available online at OSU |

#### Rangeland Sciences
- Animal Industries
  - -- | ANS 215 | Not required, but recommended for students to Complete these for their Animal Industry selection |
  - -- | ANS 216 | |

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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 Clackamas courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clackamas-community-college.

<table>
<thead>
<tr>
<th>SKILLS COURSES</th>
<th>Math</th>
<th>Writing I</th>
<th>Writing II</th>
<th>Speech (Writing III)</th>
<th>Fitness (HHS 231 and 241)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERSPECTIVE COURSES</td>
<td>Biological Science</td>
<td>Physical Science</td>
<td>Additional Biological or Physical Science</td>
<td>Cultural Diversity</td>
<td>Literature and the Arts</td>
</tr>
<tr>
<td>DPD COURSE</td>
<td>Difference, Power, &amp; Discrimination</td>
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</tr>
<tr>
<td>SYNTHESIS COURSES</td>
<td>Contemporary Global Issues</td>
<td>Science, Technology, &amp; Society</td>
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</tr>
</tbody>
</table>

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

Important Notes & Resources

- See a sample degree plan by searching "Animal Sciences” in the OSU Catalog at catalog.oregonstate.edu. Or find a sample degree plan on the Animal Sciences Degree Fact Sheet https://agsci.oregonstate.edu/degree-fact-sheet/animal-sciences.
- Animal Sciences offers 5 options which allow students to specialize, however students are not required to choose an option. The options are Animal Behavior, Animal BioHealth/Pre-Professional, Animal Production, Equine, and Rangeland Science. More details can be found by searching “Animal Sciences” in the OSU Catalog at catalog.oregonstate.edu.
- Other similar majors to explore: Rangeland Sciences, Zoology. Check out all OSU programs at http://catalog.oregonstate.edu.
- Level 100/200 and lower division Baccalaureate Core are priority courses to complete before transferring to OSU.
- For Animal Science students, the best time to transfer is Fall term, particularly due to the Animal Sciences series courses. Talk with an OSU advisor about your specific timeline.
- It is important to speak with the Animal Science Advisor Dodi Reesman early on and often, to ensure correct course selection and sequencing. Dodi can be reached at dodi.reesman@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>Blue Mountain Community College</th>
<th>bluecc.edu/enrollment-services/advising</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSU College of Agricultural Sciences Student Advisor</td>
<td>Dodi Reesman 541-737-4761 <a href="mailto:Dodi.reesman@oregonstate.edu">Dodi.reesman@oregonstate.edu</a></td>
</tr>
</tbody>
</table>

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