Want to get your hands dirty while making a difference? Our students work on solving the most complex agricultural and natural resource problems faced in Oregon, our nation and across the globe.

Students who want to make a measurable difference in our communities are perfect candidates for a degree in either crop science or soil science. Graduates of our program are in demand across the United States.

Students must select from one option:
- Agronomy
- Plant Breeding and Genetics
- Soil Science (also available via Ecampus)

Your Bachelor’s Degree (BS) in Crop and Soil Science

- 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/degree/crop-and-soil-science-bs-degree

Courses Required for Crop and Soil Science Major

This list is not comprehensive. Contact an OSU advisor for more information.

<table>
<thead>
<tr>
<th>CSS Core Requirements</th>
<th>Equivalent Course LBCC</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BI 211</td>
<td>BI LD2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BI 212</td>
<td>BI LD2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BI 213</td>
<td>BI LD2</td>
<td></td>
</tr>
<tr>
<td>Intro to Crop &amp; Soil Science</td>
<td>--</td>
<td>SOIL 101</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Soil Science</td>
<td>CSS 205</td>
<td>SOIL 205/206</td>
<td>Available online at OSU as CSS 205</td>
</tr>
</tbody>
</table>

Courses Required for Crop & Soil Science Major: Option specific coursework

<table>
<thead>
<tr>
<th>CSS Option Requirements</th>
<th>LBCC Course</th>
<th>OSU Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agronomy</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Updated August 2020
## Courses Required for Crop & Soil Science Major: Option specific coursework

### CSS Option Requirements | LBCC Course | OSU Course | Notes
---|---|---|---
Agronomy (cont. from previous page) | CSS 200 | CROP 200 | Available online at OSU
Ag and Food Management | AREC 211 | AEC 211 | Available online at OSU
Ag and Food Marketing | AREC 221 | AEC 221 | Available online at OSU
Economics | -- | AEC 250 | Complete one(1) course from options
| | ECON 201 | AEC 250: Available online at OSU
General Electives | PH 201 | PH 201 | Complete 7-8 credits
| Technical Writing | WR 227 | WR 327 (LD) | (LD) = Lower Division Transfer
| Microbiology | BI 234 | MB 230 |
| Organic Chemistry | CH 241 | CH 331 |
| | CH 243 | CH 332 |
| | CH 242 | CH 337 |
| | | | Must pass the ACS organic exam offered as part of LBCC course to receive upper division credit: chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies
### Plant Breeding & Genetics
*cross listed with Horticulture*

### Chemistry
- CH 121
- CH 122
- CH 123
- CH 221
- CH 222
- CH 223
- CH 231/261
- CH 232/262

Only select one full sequence (either all 100-level, or 200-level)

Lecture & lab for 200-level Chemistry have separate course numbers at OSU

### Math
- Elementary Functions
- Calculus
- MTH 112
- MTH 241
- MTH 245
- MTH 251
- MTH 112
- MTH 241
- MTH 245
- MTH 251

Complete one(1) course from options

### Plant Materials
- Crop Eco & Morph
- Landscape PM 1
- Landscape PM 2
- Herbaceous Ornamental
- CSS 200
- CROP 200
- HORT 226
- HORT 228
- HORT 255

Complete one(1) course from options

### Soil Science (continued on next page)

### Chemistry
- CH 121
- CH 122
- CH 123
- CH 221
- CH 222
- CH 223
- CH 231/261
- CH 232/262

Only select one full sequence (either all 100-level, or 200-level)

Lecture & lab for 200-level Chemistry have separate course numbers at OSU

### College Algebra
- MTH 111
- MTH 111

Minimum requirement; see TRACK for more detail below

### Crop Ecology & Morphology
- CSS 200
- CROP 200

Other course options available post-transfer

### General Electives
- Ag and Food Mgmt
- Economics
- Gen Chm. Living Systems
- Organic Chemistry
- Organic Chemistry
- Calculus
- Calculus
- Physics
- Physics
- Org. Farm & Garden
- AREC 211
- AEC 211
- AEC 250
- CH 130
- CH 241
- CH 331 (LD)
- CH 243
- CH 332 (LD)
- MTH 251
- MTH 251
- MTH 252
- PH 201
- PH 201
- PH 202
- HORT 260

Complete 12 credits

(LD) = Lower Division Transfer

All courses listed = Available online at OSU

If interested in pursuing graduate school, recommended for students to complete entire Physics series:
- PH 201, 202, 203

If complete MTH 251 or 252, will also fulfill the MTH 111 requirement
### Courses Required for Crop & Soil Science Major: Option specific coursework

<table>
<thead>
<tr>
<th>Soil Science</th>
<th>(continued from previous page)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHOOSE TRACK:</strong> Soil Research, General soils</td>
<td></td>
</tr>
</tbody>
</table>

#### SOIL RESEARCH

<table>
<thead>
<tr>
<th>Earth Science</th>
<th>Calculus</th>
<th>Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>G 201</td>
<td>GEO 201</td>
<td>PH 201</td>
</tr>
<tr>
<td>G 202</td>
<td>GEO 202</td>
<td>PH 202</td>
</tr>
<tr>
<td>G 203</td>
<td>GEO 203</td>
<td></td>
</tr>
<tr>
<td>--</td>
<td>GEO 221</td>
<td></td>
</tr>
<tr>
<td>G 101</td>
<td>GEO 101</td>
<td></td>
</tr>
<tr>
<td>MTH 251</td>
<td>MTH 251</td>
<td></td>
</tr>
<tr>
<td>PH 201</td>
<td>PH 201</td>
<td></td>
</tr>
<tr>
<td>PH 202</td>
<td>PH 202</td>
<td></td>
</tr>
</tbody>
</table>

Complete one(1) course from Earth Science options, complete Calculus, and all Physics

GEO 221 = Available online at OSU

If interested in pursuing graduate school, recommended for students to complete entire Physics series: PH 201, 202, 203

If complete MTH 251, will fulfill the MTH 111 req.

#### General Soils

<table>
<thead>
<tr>
<th>Earth Science</th>
<th>Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>G 201</td>
<td>G 201</td>
</tr>
<tr>
<td>G 202</td>
<td>G 202</td>
</tr>
<tr>
<td>G 203</td>
<td>G 203</td>
</tr>
<tr>
<td>--</td>
<td>GEO 221</td>
</tr>
<tr>
<td>G 101</td>
<td>GEO 101</td>
</tr>
<tr>
<td>MTH 112</td>
<td>MTH 112</td>
</tr>
<tr>
<td>MTH 241</td>
<td>MTH 241</td>
</tr>
<tr>
<td>MTH 245</td>
<td>MTH 245</td>
</tr>
</tbody>
</table>

Complete one(1) course from Earth Science options, and one(1) course from the Math options

GEO 221 = Available online at OSU

If complete MTH 112, 241, OR 245 will also fulfill the MTH 111 requirement

---

### 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 Linn-Benton CC courses that fulfill Bacc Core requirements:
  - [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-linn-benton-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-linn-benton-community-college)

#### SKILLS COURSES

<table>
<thead>
<tr>
<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Completed as part of major

WR 121. Required to transfer.

Can be completed as part of major: see advisor

Choose one course from BaccCore link above

PE 231

#### PERSPECTIVE COURSES

<table>
<thead>
<tr>
<th>Biological Science</th>
<th>Physical Science</th>
<th>Additional Biological or Physical Science</th>
<th>Cultural Diversity</th>
<th>Literature and the Arts</th>
<th>Social Processes and Institutions</th>
<th>Western Culture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Completed as part of major

Choose one course from BaccCore link above

#### DPD COURSE

<table>
<thead>
<tr>
<th>Difference, Power, &amp; Discrimination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Can be completed as part of major: see advisor

#### SYNTHESIS COURSES

<table>
<thead>
<tr>
<th>Contemporary Global Issues</th>
<th>Science, Technology, &amp; Society</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Upper division course, take through OSU

Upper division course, take through OSU

### 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](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.**

<table>
<thead>
<tr>
<th>Linn-Benton Community College</th>
<th>linnbenton.edu/current-students/student-support/advising-center/index.php</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSU College of Agricultural Sciences Student Advisor</td>
<td>Stefan Seiter</td>
</tr>
<tr>
<td>OSU College of Agricultural Sciences Student Advisor</td>
<td>541-737-6372</td>
</tr>
<tr>
<td>OSU College of Agricultural Sciences Student Advisor</td>
<td><a href="mailto:seiters@oregonstate.edu">seiters@oregonstate.edu</a></td>
</tr>
</tbody>
</table>

---

*Updated August 2020*