Oregon Coast Community College
Transfer Guide for Microbiology and BioHealth Sciences Majors
(Majors in the Dept. of Microbiology)

**Microbiology**
Microbiologists study the diverse properties and roles of microbes with respect to human and environmental health. These organisms include bacteria, archaea, phytoplankton, zooplankton, parasites and fungi, and viruses.

Microbiology graduates go on to careers in basic research, health professions, industry, agriculture and the environment, and food science.

**BioHealth Sciences**
The BioHealth Sciences major is designed for students pursuing careers in various health professions. The curriculum contains most of the prerequisites required by professional schools for admission. Students declare one of the options listed within the major.

Admission to professional school is competitive. Completing the pre-health coursework does not guarantee acceptance. Successful applicants have typically achieved A’s and B’s in their science and math coursework and gained relevant health care, leadership, community service, and/or research experiences.

*Pre-Nursing and Occupational Therapy students should consult with an OSU advisor regarding course selection at the community college. These options are not full degrees at OSU.*

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, General Chemistry, and some Baccalaureate Core are priority courses to complete before transferring to OSU. Oregon Coast Community College, however, does not offer Chemistry or other lab science courses required.

For BHS major, Anatomy and Physiology courses should be completed at OSU, not at the community college.

### Requirement | OCCC Equivalent | OSU Courses for Microbiology Majors | OSU Courses for BioHealth Sciences Majors
--- | --- | --- | ---
**Mathematics** | MTH 111
| MTH 112
| MTH 251
| MTH 252 | MTH 251, MTH 252
| Math requirements differ by option:
| PT, PA, & CLS: at least MTH 111, 112
| Pharmacy: at least MTH 112, 251
| Dent, Opt, Med, Pod: at least MTH 251, 252

Depending on math placement, students may need to take math courses prior to MTH 251 (e.g., MTH 111, 112, or others). Please speak to your OCCC advisor. The OSU Math Department enforces prerequisites of C- or better for all Math courses in order to move on to higher level Math courses.

**Psychology** | PSY 201A
| PSY 202A | Psychology not required
| Pharmacy: one PSY course
| PT, PA, Opt: both PSY 201 and 202

**Sociology** | SOC 204 or 206 | Sociology not required
| PT and PA only: SOC 204 or 206

**Economics** | EC 201 or 202 | Economics not required
| Pharmacy only: ECON 201 or 202

**Statistics** | MTH 243 | Take upper division statistics at OSU | ST 201
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

<table>
<thead>
<tr>
<th>SKILLS COURSES</th>
<th>Math</th>
<th>Completed as part of major. Required to transfer.</th>
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<tbody>
<tr>
<td></td>
<td>Writing I</td>
<td>WR 121. Required to transfer.</td>
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<td>Writing II</td>
<td>Many options, see transfer guide*</td>
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<td></td>
<td>Speech (Writing III)</td>
<td>Many options, see transfer guide*</td>
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<td></td>
<td>Fitness</td>
<td>HE 295 &amp; PE 295</td>
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<tr>
<td>PERSPECTIVES COURSES</td>
<td>Biological Science</td>
<td>Completed as part of major</td>
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<td></td>
<td>Physical Science</td>
<td>Completed as part of major</td>
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<td></td>
<td>2nd Biological or Physical Science</td>
<td>Completed as part of major</td>
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<td></td>
<td>Cultural Diversity</td>
<td>Many options, see transfer guide*</td>
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<td></td>
<td>Literature and the Arts</td>
<td>Many options, see transfer guide*</td>
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<td></td>
<td>Social Processes and Institutions</td>
<td>Many options, see transfer guide*</td>
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<td></td>
<td>Western Culture</td>
<td>Many options, see transfer guide*</td>
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<tr>
<td>OPD COURSE</td>
<td>Difference, Power, &amp; Discrimination</td>
<td>Many options, see transfer guide*</td>
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<tr>
<td>SYNTHESIS COURSES*</td>
<td>Contemporary Global Issues</td>
<td>Upper division course, take at OSU</td>
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<tr>
<td></td>
<td>Science, Technology, &amp; Society</td>
<td>Upper division course, take at OSU</td>
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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
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: 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.

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<tr>
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<th>Fall Term</th>
<th>Winter Term</th>
<th>Spring Term</th>
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<tbody>
<tr>
<td>Year 1</td>
<td>Math</td>
<td>Math</td>
<td>Math</td>
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<tr>
<td></td>
<td>WR 121</td>
<td>Bacc Core</td>
<td>Bacc Core</td>
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<tr>
<td>Year 2</td>
<td>Math (if needed)</td>
<td>Math (if needed)</td>
<td>Math (if needed)</td>
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<tr>
<td></td>
<td>Bacc Core</td>
<td>Bacc Core</td>
<td>Bacc Core</td>
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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 to schedule your personalized visit.

Oregon Coast Community College: http://www.oregoncoastcc.org/advising
OSU Microbiology: Dr. Linda Bruslind, 541-737-1842, bruslindl@oregonstate.edu
OSU BioHealth Sciences: Ariella Wolf, 541-737-3875, ariella.wolf@oregonstate.edu
OSU College of Science main office: 541-737-4811, science@oregonstate.edu