UNIVERSITY GRADUATION REQUIREMENTS: OSU’s minimum credit hour requirements are met by combining Baccalaureate Core and major courses plus other electives of your choice. Additional electives may be needed to reach the university degree requirements.

- 180 credits — Minimum number of credits required for a BS degree
- 60 credits — Minimum number of upper division (300-level or above) credits required
- 2.0 Cumulative OSU and major GPA
- 45 of the last 75 credits (or 150 total credits) of coursework must be from OSU

A. BACCALAUREATE CORE REQUIREMENTS: Total of 48 credits plus WIC course. No single course may be used to satisfy more than one area of the Bacc Core, except WIC.

Skills Courses (15 credits) - Transfer students at sophomore standing or above must complete WR II and Speech within the first 45 hours of OSU coursework.
- WR 121* (3 cr)
- Math 105 or higher (3 cr)
- Fitness Lecture (2 cr) HHS 231
- Fitness Lab (1 cr)

Perspectives Courses (24 credits) — No more than two courses from any one subject may be used.
- Physical Science w/lab (4 cr)
- Cultural Diversity CD (3 cr)
- Biological Science w/lab (4 cr)
- Literature and the Arts (3 cr)
- Biological or Physical Science w/lab (4 cr)
- Social Proc. and Inst. SI (3 cr) [See C Economics]
- Western Culture WC (3 cr) [suggested AEC 253]

Difference, Power, and Discrimination (3 credits)
- Difference, Power, and Discrimination (3 cr) [suggested: AG 301, ES 353, FW 340, GEO 309, or see Bacc Core only choices]

Synthesis Courses (6-8 credits) — These two courses must be upper division, from different subjects.
- Contemporary Global Issues G (3 cr) [suggested FW 325, GEOG 300, PHL 443, or see Bacc Core only choices]
- Science, Technology, and Society G (3 cr) [suggested ANTH 481, AEC 352, ENSC 479, or see Bacc Core only choices]

Writing Intensive Course (3-4 credits) - Consult with your advisor about alternative approved courses.
- Approved WIC courses: AEC 434, AG 421, EAH 411, ECON 439, ENSC 479, FW 435, FW 439, GEOG 323, HORT 318, HSTS 419, PS 449, SOIL 395

ENVIRONMENTAL SCIENCES MAJOR REQUIREMENTS: Courses taken in sections B and C can double count with Bacc Core requirements. Students cannot S/U major requirements. A grade of C- or better is required in all upper division courses.

B. BASIC SCIENCE AND MATH COURSES (53-55 credits)

1. Math (8 credits)—Two quarters or semesters of Calculus
   - MTH 251*
   - MTH 252

2. Chemistry (15 credits)—Full year of general chemistry
   - CH 121*
   - CH 122*
   - CH 123

3. Biology (12 credits)—Full year with lab for majors
   - BI 204*
   - BI 205*
   - BI 206*

4. Physics (8-10 credits)—Two quarters or one semester
   - PH 201
   - PH 202

5. Statistics (8 credits)
   - ST 351*
   - ST 352*

*A grade of C- or better is required.
C. ENVIRONMENTAL SCIENCES AND HUMANITIES CORE: Courses taken in this section can double count with Bacc Core requirements. No double counting between Sections C and D, or within Sections C and D. A grade of C- or better required in all upper division courses. Students cannot S/U major courses. Refer to the online Schedule of Classes, classes.oregonstate.edu, for course information including prerequisites and restrictions.

<table>
<thead>
<tr>
<th>CD = Cultural Diversity</th>
<th>G = Contemporary Global Issues</th>
<th>S = Science, Technology and Society</th>
<th>WIC = Writing Intensive Course</th>
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<tbody>
<tr>
<td>DPD = Difference, Power, and Discrimination</td>
<td>SI = Social Processes and Institutions</td>
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</table>

Natural Environmental Systems (minimum 12 credits) – Choose one course for each requirement

- **Atmosphere (4 credits)**
  - ATS 201, GEOG 323

- **Biosphere (3-4 credits)**
  - BI 370

- **Geosphere (3-4 credits)**
  - CSS 205, GEO 221, GEOG 102, GEOG 350, SOIL 395

- **Hydrosphere (3-5 credits)**
  - FW 456, GEOG 340, OC 201

Humans and the Environment (15-20 credits) – Choose one course to fulfill each requirement

- **Economics (3-4 credits)**
  - AEC 250, ECON 201, FW 462

- **Ethics (3-4 credits)**
  - ANTH 481, FES/TOX 435, FES 485, FW 340, GEO 309, PHL 440, PHL/REL 443, SOC 480, SOC 481, WGSS 440

- **Human Environment (3-4 credits)**
  - AG 301, BI 348, ENSC 479, FW 325, FW/HSTS 470, GEO 308, GEOG 203, GEOG 300, HST 481, SUS 102, SUS 350, WGSS 440, Z 349

- **Law and Policy (3-4 credits)**
  - AEC 253, AEC 351, AEC/ECON 352, AEC 432, FW 415, FW 422, GEOG 340, PS 475, PS 476, PS 477, SOC 360, WGSS 440

- **Management (3-4 credits)**

D. SPECIALIZATION AREA: Total credits should be ≥27. Courses taken in Specialization Area can double count with Bacc Core requirements. Courses taken in Specialization Area cannot double count with Basic Science and Math Courses or Environmental Sciences and Humanities Core. A list of specializations and worksheets are available at [http://ceoas.oregonstate.edu/envsci/](http://ceoas.oregonstate.edu/envsci/). Contact your advisor to declare a specialization.

E. EXPERIENTIAL LEARNING: (3 credits) - Requirement can be met by one of the following.

- ENSC 401 Research and ENSC 403 Thesis ([https://ceoas.oregonstate.edu/research/undergraduate/](https://ceoas.oregonstate.edu/research/undergraduate/))
- ENSC 410 Internship ([https://ceoas.oregonstate.edu/internships/undergraduate/](https://ceoas.oregonstate.edu/internships/undergraduate/))
- Programs (SEA, Hatfield Marine Science Center, Study Abroad, IE3 Global Internships, etc.)
- Coursework - Courses that provide hands-on training in lab or field research methods, mapping techniques (field or GIS), or environmental planning and project design. These classes can double count with any other Bacc Core or Environmental Sciences requirement. Consult with your advisor for alternative approved courses. Examples include: BI 371, BI 373, BI 375, BOT 341, BOT 440, RNG 441, SOIL 466

*A grade of C- or better is required.*