**Bachelor of Science in Environmental Sciences-Ecampus**

**A. OSU BACCALAUREATE CORE (51 credits) – further your understanding of the modern world**

1. Find complete policies and eligible courses in OSU General Catalog, [http://catalog.oregonstate.edu/bcc.aspx](http://catalog.oregonstate.edu/bcc.aspx).
3. Post Bacc students only need WIC for this section.
4. Some courses taken in Section A may fulfill requirements in Section C/D. See Section C for legend.

† Requirement may be met with courses taken through Chemeketa Online, [http://online.chemeketa.edu](http://online.chemeketa.edu), via the OSU Degree Partnership Program (DPP), [http://partnerships.oregonstate.edu](http://partnerships.oregonstate.edu).

Skills (15) – Transfer students sophomore standing or above must complete WR II and Speech within the first 45 hours of OSU coursework.

- Writing I (3) †
- Writing II (3) †
- Speech (3) †

Met with WR 121 (C- or better)
- Fitness Lecture – HHS 231 (2) †
- Fitness Lab – HHS 241 or PAC (1)

Met with MTH 252

Perspectives (27) – No more than 2 courses from any one subject may be used.

- Physical Science w/lab (4)
- Biological Science w/lab (4)
- Physical/Biological Science (4)

† Met with Section B

- Cultural Diversity (3) †
- Literature and Arts (3) †

† Met with AEC 250/ECON 201

- Social Proc. & Inst. SI (3) †

† Met with AEC 250/ECON 201

- Western Culture (3) †

- Contemp. Global Issues e.g. AG 301, FW 340, GEO 309, or see Bacc Core only choices

- Writing Intensive Course WC (3-4)

Synthesis (6-8) – Courses may not be from same subject.

- Comp. Global Issues e.g. FW 325, GEOG 300, or see Bacc Core only choices

- Science, Tech & Society e.g. ANTH 481, AEC 352, ENSC 479, or see Bacc Core

B. BASIC SCIENCE and MATH (53-55 credits) – develop a foundation for courses taken in the major

1. Students cannot S/U major requirements; 2. All sequences may be taken locally with prior approval – [http://ecampus.oregonstate.edu/online-degrees/undergraduate/es/BasicMTH-SCIguidelines.pdf](http://ecampus.oregonstate.edu/online-degrees/undergraduate/es/BasicMTH-SCIguidelines.pdf); 3. Financial aid may not be disbursed for courses taken locally; *A grade of C- or better required.

1. Math Two quarters/semesters of calculus

ALEKS test score =
- MTH 251 (4) †
- MTH 252 (4) †

2. Chemistry Full year of general chemistry

- CH 121 (5) *
- CH 122 (5) *
- CH 123 (5)

3. Biology Full year w/lab for majors

- Online sequence. May be taken out of order but not recommended.
- If full sequence not taken at OSU, preapproval required by biology department.

- BI 204 (4) * [FW]
- BI 205 (4) * [WSp]
- BI 206 (4) * [SpSu]

4. Physics Two quarters/one semester

- May be completed online through Chemeketa CC; eligible for financial aid; applies to the OSU Degree Partnership Program;
- Complete a full year if planning graduate school in science field.

- PH 201 (5) † [F]
- PH 202 (5) † [W]

5. Statistics Two terms of statistics

- MTH 243/244 from Chemeketa Online will meet requirement though not upper-division credit.

- ST 351 (4) †
- ST 352 (4) †
C. ENVIRONMENTAL SCIENCES and HUMANITIES CORE (27-34 credits) – gain breadth in environmental sciences

1. Natural Environmental Systems (12-16 Credits) – Choose one course for each requirement

- Atmosphere: ATS 201 or GEOG 323
- Biosphere: BI 370
- Geosphere: CSS 205, GEO 221, GEOG 102, GEOG 350, SOIL 395
- Hydrosphere: FW 456, GEOG 340, OC 201

2. Humans and the Environment (15-19 Credits) – Choose one course for each requirement

- Economics: AEC 250, ECON 201, FW 462
- Ethics: ANS/FES/FW/SOC 485, ANTH 481, BI/FES/TOX 435, FW 340, GEO 309, PHL 440, PHL/REL 443, SOC 480, SOC 481, WGS 440
- Human Enviro.: AG 301, BI 348, ENSC 479, FW 325, FW/HSTS 470, GEO 308, GEOG 203, GEOG 300, HST 481, SUS 102, SUS 350, WGS 440, Z 349
- Law and Policy: AEC 253, AEC 351, AEC/ECON 352, AEC 432, FW 415, FW 422, GEOG 340, PS 475, PS 476, PS 477, SOC 360, WGS 440

D. SPECIALIZATION AREA (≥27 credits) – develop depth in one area of environmental sciences

1. Courses taken in the specialization cannot double count with Section B or C above.
2. If you are interested in completing more than one specialization, contact your advisor to learn more about double counting policies between these.
3. For a list of specializations, go to: http://ceoas.oregonstate.edu/envsci/specializations/.
4. To declare your specialization, contact your advisor.

E. EXPERIENTIAL LEARNING (≥3 credits) – gain hands on experience in environmental sciences

1. Choose a minimum of one course; may complete others for additional experience.
2. For ENSC 410 internship: 1 credit = 30 hours of work. You must obtain approval from your advisor in order to register for credits.

Course Options:
- BOT 440: Field methods – learn skills in describing & experimenting on vegetation in your local area
- FW 255: Field methods – learn skills in field sampling of fish and wildlife
- GEOG 360: Lecture/lab based – learn practical skills in Geographic Information Systems (GIS)
- GEOG 361: Lecture/lab-based – applied geospatial analysis skills and practice
- Other: Must be approved by advisor

Graduation Requirements - Bachelor of Science:

1. Ideally, these are met concurrent with Major requirements.
2. To avoid problems with the academic residency requirement, transfer courses should be completed early in your program.

- 180 minimum total credits
- 60 minimum upper division credits (300 level or above)
- 45 minimum out of the last 75 credits must be taken through OSU, and 15 of the 45 must be upper division. (AR 25f, Academic Residency)
- 2.00 minimum cumulative OSU GPA
- 2.00 minimum GPA in major and minor
- Foreign Language: 2 yrs of HS or 2 terms of college level courses in same language; students who graduated from high school before 1997 are exempt from this requirement