

Bachelor of Science in
ENVIRONMENTAL SCIENCES - Ecampus

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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>. ② Find online courses in the Ecampus Schedule of Classes, <http://ecampus.oregonstate.edu/soc/ecatalog/bcc.htm>. 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>, via the OSU Degree Partnership Program (DPP), <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.

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|---|---------------------------------------|---|-------------------------|
| <input type="checkbox"/> Writing I (3) † | <u>Met with WR 121 (C- or better)</u> | <input type="checkbox"/> Fitness Lecture – HHS 231 (2) † | _____ |
| <input type="checkbox"/> Writing II (3) † | _____ | <input type="checkbox"/> Fitness Lab – HHS 241 or PAC (1) | _____ |
| <input type="checkbox"/> Speech (3) † | _____ | <input checked="" type="checkbox"/> Mathematics (3-4) | <u>Met with MTH 251</u> |

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

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| <input checked="" type="checkbox"/> Physical Science w/lab (4) | <u>Met with Section B</u> | <input type="checkbox"/> Cultural Diversity (3) † | _____ |
| <input checked="" type="checkbox"/> Biological Science w/lab | <u>Met with Section B</u> | <input type="checkbox"/> Literature and Arts (3) † | _____ |
| <input checked="" type="checkbox"/> Physical/Biological Science | <u>Met with Section B</u> | <input checked="" type="checkbox"/> Social Proc. & Inst. ^{SI} (3) † | <u>Met with AEC 250/ECON 201</u> |
| | | <input type="checkbox"/> Western Culture ^{WC} (3) † | _____ |

Difference, Power, Discrimination^{DPD} (3)

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

Writing Intensive Course^{WIC} (3-4)

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

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|--|-------|
| <input type="checkbox"/> Contemp. Global Issues ^G | _____ |
| <i>e.g. FW 325, GEOG 300, PHL 443, or see Bacc Core only choices</i> | |
| <input type="checkbox"/> Science, Tech & Society ^S | _____ |
| <i>e.g. ANTH 481, AEC 352, ENSC 479, or see Bacc Core</i> | |

AEC 434, AG 421, ECON 439, ENSC 479, FW 435, FW 439, GEOG 323, HORT 318, HSTS 419, PS 449

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-SCLguidelines.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; apply 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 Students cannot S/U major requirements in Sections B/C/D/E. ② NO double counting *between* Section C and D, or *within* C and D. ③ Courses may have prereqs you should complete first. ④ A grade of C- or better is required for upper-division courses used to meet major requirements.

Some requirements in Section C can be met with courses that also fulfill Bacc Core requirements (Section A). Courses that can double count are indicated with the superscripts as shown on the right:	DPD = Difference, Power & Disc G = Cont Global Issues S = Science, Tech & Society	SI = Social Processes & Inst WC = Western Culture WIC = Writing Intensive
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1. Natural Environmental Systems (12-16 Credits) – Choose one course for each requirement

- () Atmosphere _____ 3-4 ATS 201 or GEOG 323^{WIC}
- () Biosphere _____ 3 BI 370
- () Geosphere † _____ 3-4 CSS 205, GEO 221, GEOG 102, GEOG 350^G, SOIL 395^S
- () Hydrosphere _____ 3-5 FW 456, GEOG 340^S, OC 201

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

- () Economics † _____ 3-4 AEC 250, ECON 201, FW 462
- () Ethics _____ 3-4 ANS/FES/FW/SOC 485^S, ANTH 481^S, BI/FES/TOX 435^S, FW 340^{DPD}, GEO 309^{DPD}, PHL 440^G, PHL/REL 443^G, SOC 480^G, SOC 481^S, WGSS 440^S
- () Human Enviro. _____ 3 AG 301^{DPD}, BI 348^S, ENSC 479^{WIC/S}, FW 325^G, FW/HSTS 470^S, GEO 308^G, GEOG 203, GEOG 300^{G/S}, HST 481^S, SUS 102, SUS 350, WGSS 440^S, Z 349^G
- () Law and Policy _____ 3-4 AEC 253^{WC}, AEC 351^G, AEC/ECON 352^G, AEC 432, FW 415, FW 422, GEOG 340^S, PS 475, PS 476^S, PS 477, SOC 360^{DPD}, WGSS 440^S
- () Management _____ 3-4 FES/HORT 350, FES 355, FES 365^G, FES/FW 445, FOR 346, FW 251, FW 323, FW 326, FW 435^{WIC}, GEO 306^S, GEOG 441, NR 455, RNG 341, RNG 355, RNG 421, RNG 455, RNG 490, TRAL 352

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. <http://ceoas.oregonstate.edu/internships/undergraduate/>

- () ENSC 410 _____ 3 ENSC Internship – 3 credits meets requirements
- () ENSC 403 _____ 3 ENSC Thesis – 3 credits meets requirements
- () Course Options:
 - BOT 440 4 Field methods – learn skills in describing & experimenting on vegetation in your local area
 - FW 255 3 Field methods – learn skills in field sampling of fish and wildlife
 - GEOG 360 4 Lecture/lab based – learn practical skills in Geographic Information Systems (GIS)
 - GEOG 361 4 Lecture/lab-based – applied geospatial analysis skills and practice
 - Other 3-4 Must be approved by advisor

Graduation Requirements - Bachelor of Science:

① Ideally, these are met concurrent with Major requirements, <http://catalog.oregonstate.edu/ChapterDetail.aspx?key=6#Section53>.
 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