

Bachelor of Science in
ENVIRONMENTAL SCIENCES - Ecampus

ceas.oregonstate.edu | ceas.undergrad@oregonstate.edu | 541-737-1201

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.

Contemp. Global Issues^G _____

e.g. FW 325, GEOG 300, PHL 443, or see Bacc Core only choices

Science, Tech & Society^S _____

e.g. ANTH 481, AEC 352, ENSC 479, or see Bacc Core

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, 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^{SI}, ECON 201^{SI}, 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, 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