Bachelor of Science in
ENVIRONMENTAL SCIENCES
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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
_____ 36 credits in the major, of which 24 must be upper division
_____ 2.0 Cumulative OSU GPA and in major coursework (C- or better in upper division courses required for major)
_____ 45 of the last 75 credits must be from OSU
_____ Two years of high school or two terms of college foreign language

A. BACCALAUREATE CORE REQUIREMENTS (48 credits plus WIC course)

No single course may be used to satisfy more than one area of the Bacc Core. Courses fulfilled through the major are checked.

Skills Courses (15 credits)
☐ Writing I: WR 121 (3 cr) ____________________________ ☑ Math 105 or higher (3 cr) ____________________________
☐ Writing II (3 cr) ____________________________ ☑ Fitness Lecture (2 cr) HHS 231 ____________________________
☐ Speech (3 cr) (COMM 111, 114, or 218) ____________________________ ☑ Fitness Lab (1 cr) ____________________________

Perspectives Courses (24 credits) – No more than two courses from any one department may be used.
☐ Cultural Diversity (3 cr) ____________________________ ☑ Biological Science w/lab (4 cr) ____________________________
☐ Literature and the Arts (3 cr) ____________________________ ☑ Physical Science w/lab (4 cr) ____________________________
☑ Social Processes (3 cr) ____________________________ ☑ Choice of additional Biological or Physical Science w/lab (4 cr) ____________________________
☐ Western Culture (3 cr) [suggested AEC 253] ____________________________

Difference, Power, and Discrimination (3 credits)
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Synthesis Courses (6 credits) – Choose one course from each section from different departments.
☐ Contemporary Global Issues (3 cr) ____________________________ ☐ Science, Technology, and Society (3 cr) ____________________________

Writing Intensive CourseWIC (3-4 credits) - Consult with your advisor about alternative approved courses.
☐ Writing Intensive Course (3-4 credits) ____________________________

Approved WIC courses: AEC 434 AEC 461 ECON 428 ECON 439 AG 421
BB/BI 317 BI 306H BI 371 BOT 323 ENSC 479
FOR 460 FW 435 GEO 323 GEO 330 GEO 427
HSTS 415 HSTS 419 HSTS 425 PS 449

B. BASIC SCIENCE AND MATH COURSES (51-53 credits) - No single course may be used to satisfy more than one area of the Bacc Core. Courses fulfilled through the major are checked. No S/U grades. Courses taken in this section can double count with Bacc Core requirements. *A C- or better is required in MTH 251, CH series, BI series, and ST series.

1. Math (8 credits)
☐ MTH 251*
☐ MTH 252 or MTH 268

2. Chemistry (15 credits)
☐ CH 121 or CH 231/261*
☐ CH 122 or CH 232/262*
☐ CH 123 or CH 233/263*

3. Biology (12 credits)
☐ BI 211*
☐ BI 212*
☐ BI 213*

4. Physics (8-10 credits)
☐ PH 201 or PH 211
☐ PH 202 or PH 212
☐ PH 203 or PH 213 (Not required)

ELECTIVES REQUIRED!! Completing all major requirements will not necessarily give you the required 180 total credit hours and 60 upper division credit hours needed to graduate. Twenty-four to thirty-six (24-36) credits are required in addition. KEEP TRACK OF YOUR TOTAL CREDITS AND UPPER DIVISION CREDITS.
C. ENVIRONMENTAL SCIENCES AND HUMANITIES CORE (28-38 credits) - No S/U grades. Courses taken in this section can double count with Bacc Core requirements. C- or better required in all upper division.

Environmental Sciences Orientation (1 credit)
- ENSC 101 [Offered fall term only]

Natural Environment Systems (12-17 credits)
- Atmosphere (3-4 credits)
- Biosphere (3 credits)
- Hydrosphere (3-5 credits)
- Geosphere (3-4 credits)
  Choose one: ATS 201, ATS 420, GEO/GEOG 323\textsubscript{WIC}
  Choose one: BI 370
  Choose one: GEO 335\textsubscript{S}, FW 456, GEO 487, OC 201
  Choose one: SOIL 205/206, SOIL 395\textsubscript{S}, CSS 205, GEO 202, GEO 221

Humans and the Environment (15-20 credits)
- Economics (3-4 credits)
  Choose one: AEC 250, ECON 201, ECON 202, FW 462
  Choose one: ANTH 481\textsuperscript{S}, CH 374\textsuperscript{S}, FES 435\textsuperscript{S}, FW 340\textsuperscript{DPD}, GEO 309\textsuperscript{DPD}, PHL 325\textsuperscript{G}, PHL 439, PHL 440, PHL 443\textsuperscript{G}, PHL 448, PS 461, SOC 456\textsuperscript{S}, SOC 480\textsuperscript{S}, SOC 481\textsuperscript{S}, SOC/FW/FOR/ANS 485\textsuperscript{S}, WGSS 440\textsuperscript{S}
- Ethics and Environmental Ethics (3-4 credits)
- Human Environment (3-4 credits)
  Choose one: ATS 320\textsuperscript{S}, BI 301\textsuperscript{G}, ENSC 479\textsuperscript{WIC}, FW 325\textsuperscript{G}, GEO/GEOG 300\textsuperscript{SG}, GEO 308\textsuperscript{G}, HST 481\textsuperscript{S}, HSTS/FW 470\textsuperscript{S}, BI 348\textsuperscript{S}, Z/BI 349\textsuperscript{S}, SUS 102, AG 301
- Environmental Law and Policy (3-4 credits)
  Choose one: AEC 253\textsuperscript{WIC}, AEC 351\textsuperscript{G}, AEC 352\textsuperscript{S}, AEC 432, FOR 462, FW 415, PS 475, PS 476\textsuperscript{S}, PS 477, SOC 360\textsuperscript{DPD}, WGSS 440\textsuperscript{S}
  Choose one: BOT/FES 415, FW 251, FW 323, FW 326, FW 431, FW 435\textsuperscript{WIC}, BI/FW 464, FW 479, FES 352, FES 355, FOR/RNG/FW 346, FES 365\textsuperscript{G}, FES 445, ENG/FOR/FW 446, FW 435\textsuperscript{S}, GEO 306\textsuperscript{G}, GEO 423, GEO 424, GEO 426, GEO 426, GEO 451, HORT/FES 350, NR 455, PH 313\textsuperscript{G}, RNG 341, RNG 355, RNG 421, RNG 455, RNG 490

D. SPECIALIZATION AREA (≥27 credits) - No S/U grades in Specialization Area. 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 and Environmental Sciences and Humanities Core.

- Specialization Area (≥27 credits) __________________________________________

E. EXPERIENTIAL LEARNING (3-12 credits) - Requirement can be met by one of the following.
- ENSC 410 Internship
- ENSC 401 Research
- 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:
  - GEO 365
  - GEO 497
  - BOT 440
  - SOIL 466
  - FW 255
  - BOT 431
  - FW 425
  - GEO 495
  - RNG 441
  - CH 324
  - SOIL 468
  - BI 371\textsubscript{WIC}
  - CH 324
  - Z 352

Alt = alternating, F = Fall, W = Winter, Sp = Spring, Su = Summer,
DPD = Difference, Power, and Discrimination, G = Contemporary Global Issues, S = Science Technology and Society Course,
WIC = Writing Intensive Course, WC = Western Culture