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 credits required
- 2.00 Cumulative OSU GPA and major GPA
- 45 of the last 75 credits (or 150 total credits) of coursework must be from OSU

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. Courses fulfilled through the major are checked.

Skills (15 credits)
- Writing I (3)
- Writing II (3)
- Speech (3)
- Math 105 or higher (3)
- HHS 231 Lifetime Fitness for Health (2)
- Fitness lab (HHS 241-248 or any PAC course) (1)

Perspectives Courses (24 credits - No more than two courses taken from the same department.)
- Biological Science w/lab (4) (Met by BI 211/212/213)
- Physical Science w/lab (4) (Met by GEO 201)
- Biological or Physical Science w/lab (4) (Met by GEO 202)
- Cultural Diversity (3)
- Literature and the Arts (3)
- Social Processes and Institutions (3)
- Western Culture (3)

Difference, Power & Discrimination (3 credits)
- Difference, Power and Discrimination (3)

Synthesis (6 credits – These two courses must from different subjects.)
- Contemporary Global Issues (3)
- Science, Technology and Society (3)

Writing Intensive Course within Earth SciencesWIC (3 credits)
- Met by OC 334 (3)

EARTH SCIENCES MAJOR REQUIREMENTS - OCEAN SCIENCE OPTION: Students must earn at least a C minus in upper division (300 or higher) courses required for the major, and a 2.0 GPA in major coursework. Students cannot S/U major requirements.

Basic Math and Science Requirements (45 credits)
- MTH 251 Differential Calculus (4)
- MTH 252 Integral Calculus (4)
- ST 351 Intro to Statistical Methods (4)
- PH 211 or PH 201 (4-5)
- PH 212 or PH 202 (5)

Chemistry Requirements
- (CH 231 + CH 261) or CH 121 (5)
- (CH 232 + CH 262) or CH 122 (5)
And take the third chemistry course from courses listed below:
- (CH 233 + CH 263) or CH 123 (5)

Physics Requirements
- PH 213 or PH 203 (5)

Choose two Biology courses
- BI 211 Principles of Biology (4)
- BI 212 Principles of Biology (4)
- BI 213 Principles of Biology (4)
Earth Sciences Core Courses (19-20 credits)
- OC 201 Oceanography (4) [FW]
- GEO 201 Physical Geology (4) [FW]
- GEO 202 Earth Systems Science (4) [W]
- ATS 201 Climate Science (4) [FSp]

Choose one core skills course:
- CBEE 102 Engineering Prob. Solving and Comp. (3)
- ENGR 112 Introduction to Engineering Computing (3)
- GEOG 360 GISci. I: Geog. Info. Sys. & Theory (4) [FSp]
- PH 265 Scientific Computing (3)
- ST 352 Introduction to Statistical Methods (4)

Ocean Science Core Courses (37 credits)
- OC 333 Oceans, Coasts and People (3) [FSp]
- OC 332 Coastal Oceanography (3) [W]
- OC 334 Polar Oceanography (3)[WIC] [Sp]
- OC 430 Principles of Physical Oceanography (4) [F]
- OC 450 Chemical Oceanography (4) [W]
- OC 440 Biological Oceanography (4) [Sp]
- OC 460 Geological Oceanography (4) [Sp]

Prerequisites
- OC 201
- MTH 252 and (PH 212 or 202)
- CH 232 or 122
- 2 terms college-level biology & OC 201
- (CH 232 or 122) and (PH 212 or 202)

Take two terms of seminar:
- OC 407 Seminar (1) [FWSp]
- OC 407 Seminar (1) [FWSp]

Experiential Learning
- OC 295 Introduction to Field Oceanography-Land (1) [W]
- OC 296 Introduction to Field Oceanography-Sea (2) [Sp]

Take a total of six credits combined of the following:
- OC 401 Research
- OC 403 Thesis
- OC 410 Internship

Ocean Science Electives: Choose 18 credits of electives from the following lists. Additional MTH courses would be appropriate for some students planning on graduate studies in ocean science. Ask your advisor if you would like to apply these.

Biological
- GEO 484 Introduction to Biogeochemistry (3) [W Alt E]
- OC/FW 434 Estuarine Ecology (4) [W]
- OC 449 Ecol Theories in Biol and Fish Ocean Data (4) [Sp Alt E]
- BI 351 Marine Ecology (3)
- BI 370 Ecology (3)
- FW 464 Marine Conservation Biology (3)
- One additional Biology course: BI 211, BI 212, or BI 213 (4)

Fluids
- OC 433 Coastal & Estuarine Ocean. (3) [Sp Alt O]
- CE 311 Fluid Mechanics (4) (discuss with advisor)
- CE 412 Hydrology (4) (discuss with advisor)

Geological
- GEO 370 Stratigraphy and Sedimentology (4) [W]
- GEO 433 Coastal Geomorphology (3) [W Alt O]
- GEO 463 Geophysics and Tectonics[WC] (4) [Sp]

Remote Sensing
- GEOG 370 Geovisualization: Cartography (4) [W]
- GEOG 480 Remote Sensing I: Principles and Applications (4) [F]

Alt = alternating
O=odd, E=even
F=fall, W=winter, Sp=spring
WIC = Writing Intensive