



Department of Geosciences

BS in Geology

Education, Research, and Service in Geography, Geology, and Environmental Sciences

Name _____ Advisor _____

OSU Email Address _____ Date _____

Courses required in the major that also satisfy a Baccalaureate Core requirement are noted by a *. Courses with a computer component noted by ^. Scheduling information and prerequisite courses are noted in []. You should only schedule a course for which you do not have the prerequisites AFTER consultation with the instructor and your advisor. We recommend noting in the appropriate place the number of the course you have used to satisfy the requirement if there is a choice. It is a good idea to go through this checklist at registration time each quarter.

1. Language Entrance Requirement (two years of high school foreign language)

If not met prior to admission, one term of OSU language = one year of high school (Requirement starts with high school graduation class of 1997)

Language taken _____ First term _____ Second term _____

2. University Baccalaureate Core Requirements (48 credits + WIC course)

Courses must be from BCC approved list. No single course may be used to satisfy more than one area of the baccalaureate core even though some courses are approved for more than one area. Up to 15 credits of courses required in the major can also be used to satisfy the BCC.

1a. Skills (15 credits)

- (9) _____ Writing 121 _____ Writing II _____ Writing/Speech III
- (3) _____ Math 105 or higher level mathematics
- (3) _____ (2) _____ Fitness Lecture _____ (2) HHS 231 Lifetime Fitness for Health **or**
_____ (2) NFM 232 Nutrition and Lifetime Fitness
- (1) _____ Fitness Activity (any of a series of courses listed as HHS 241-251)

WR 121 and HHS 231 are alpha scheduled: check web site for current schedules.

Writing Intensive Course (included in credits within the major; GEO 463 satisfies this)

1b. Perspectives (27 credits)--must be from the BCC approved list; no more than two courses from the same department

- (4) _____ Physical Science with Laboratory
- (4) _____ Biological Science with Laboratory (BI 211 recommended)
- (4) _____ Physical or Biological Science with Laboratory
- (3) _____ Difference, Power and Discrimination (for students entering Fall 94 or later)
- (3) _____ Western Culture
- (3) _____ Cultural Diversity
- (3) _____ Literature and the Arts
- (3) _____ Social Processes and Institutions

1c. Synthesis (6 credits)--Upper division courses from BCC approved list and from different departments

- (3) _____ Contemporary Global Issues
- (3) _____ Science, Technology, and Society

3. Requirements for the Major-Substitutions to these requirements can only be made with the written approval of your advisor and the Program Director. Any such substitutions should be noted in your file.

3a. Skills Courses in Related Disciplines (34-37 credits)

- (4) _____ *Math 112 or approved Mathematics elective
 - (8) _____ Math 251 _____ Math 252
 - (10) _____ Chem 121 or CH 221 _____ Chem 122 or CH 222
 - (8-10) _____ Physics 201 or PH 211 _____ Physics 202 or PH 212
 - (4-5) _____ one course to complete PH or CH series; CH 123, CH 223, PH 213, PH 203
- Students planning on graduate study in geology should take a third term of BOTH
Chemistry and Physics
- _____ _____ Computer intensive course for College requirement (met by GEO 340, 430, 463)

3b. Geosciences Core Courses (19 credits):

- (4) _____ GEO 201 Physical Geology* [Fall]
- (4) _____ GEO 202 Earth System Science* [Winter]
- (4) _____ GEO 301 Map and Image Interp.^ [F,S, COREQ CS 101, or equivalent]
- (4) _____ GEO 322 Surface Processes [Fall, GEO 201, 102 or 202]
- (3) _____ GEO 409 Contemporary Earth Science Issues [Spring, senior standing]

3c. Earth Materials (12 credits)

- (4) _____ GEO 310 Earth Materials I: Mineralogy [Fall, GEO 201, COREQ CH 121]
- (4) _____ GEO 315 Earth Materials II: Petrology [Winter, GEO 310]
- (4) _____ GEO 415 Earth Materials III: Igneous Petrography [Spring, GEO 310, GEO 315]

3d. Earth Processes (16 credits)

- (4) _____ GEO 340 Structural Geology^ [Winter, COREQ GEO 301]
- (4) _____ GEO 430 Geochemistry^ [Winter, GEO 315, CH 121, 122 or CH 221, 222]
- (4) _____ GEO 463 Geophysics and Tectonics^ [Winter, MTH 251, PH 212 or PH 202]
- (4) _____ GEO 470 Stratigraphy and Sedimentology [Fall, GEO 315, 340]

3e. Earth History and Field Geology (13 credits)

- (4) _____ GEO 203 Evolution of Planet Earth [Spring]
- (9) _____ GEO 495 Field Geology [Summer, GEO 315, GEO 340]

3f. Geoscience Electives (9 credits)

Three courses of 3 or more credits each (totaling 9-12 cr.) of 400-level Geosciences course work not used above from the following list. Courses numbered 401, 403, 407, 408, and 410 cannot be used.

_____ Course #1 _____ Course #2 _____ Course #3

GEO 412, GEO 413, GEO 427, GEO 432, GEO 440, GEO 454, GEO 461, GEO 479, GEO 481, GEO 487, GEO 488, GEO 489, GEO 497, including a maximum of one course from GEO 441, GEO 444, GEO 462, GEO 464, GEO 465.

4. Elective Credits to total 180 for graduation

- _____ 180 total credits _____ 60 upper division (course numbered 300 or higher) credits
- _____ 2.00 minimum GPA _____ 24 upper division credits within the major
- _____ 15 of the upper division credits in the major from regularly listed courses
- _____ residence requirement--last 45 credits of course work must be from OSU