



Department of Geosciences

BS in Geography

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

Name _____ Advisor _____

OSU E-mail 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 *[brackets]*. 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 the web site for current schedules.

Writing Intensive Course (included in credits within the major; GEO 409 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 101 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
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3. Requirements for the Major-Substitutions to these requirements can only be made with the written approval of your advisor and the Head of the Program. Any such substitutions should be noted in your file.

3a. Skills Courses in Related Disciplines (16 credits)

- (4) _____ *Math 112 or approved Mathematics elective
- (8) _____ Stat 201 or 351 _____ Stat 202 [Stat 201] or 352 [Stat 351]
- (4) _____ BI 101 General Biology
- _____ **X** _____ Computer intensive course for College requirement (met by GEO 360)

3b. Geosciences Core Courses (23 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]
- (4) _____ GEO 322 Surface Processes [Fall, GEO 102, 201, or 202]
- (3) _____ GEO 309 Environmental Justice [Winter, DPD, WR 121]
- (1) _____ GEO 407 Student to Professional [Fall]
- (3) _____ GEO 409 Contemporary Earth Science Issues (WIC)

3c. Human and Regional Geography (12 credits)

- (3) _____ GEO 105 Geography of the Non-western World* [F, W, S]
- (3) _____ GEO 106 Geography of the Western World* [F, W, S]

- (3) _____ one of these:
 - _____ GEO 330 Geography of International Development and Globalization [Winter, GEO 105 or 106]
 - _____ GEO 311 20th Century Environmental Policy [Spring]
- (3) _____ one upper division course:
 - _____ GEO 325 Africa _____ GEO 326 Europe _____ GEO 327 Asia
 - _____ GEO 328 Latin America _____ GEO 329 US & Canada _____ GEO 339 Area Studies

3d. Geographic Information Science (11-12 credits)

- (4) _____ GEO 365 Introduction to Geographic Information Systems (F,W,S, prerequisites?)
- (4) _____ GEO 360 Cartography^ [Fall]
- (3-4) _____ one upper division course:
 - _____ GEO 444 Remote Sensing [GEO 301] _____ GEO 445 Comp. Asst. Cart. [GEO 360, MTH 112]
 - _____ GEO 460 Multimedia Cart. [GEO 360] _____ GEO 465 Int. Geog Inf. Sys. & Sci. [GEO 360, 365]
 - _____ GEO 466 Digital Image Proc. [GEO 301, 444]

3e. Physical Geography (8 credits)

- (4) _____ GEO 323 Climatology [Winter, GEO 201, 202 or GEO 101, 102]
- (4) _____ GEO 324 Biogeography [Winter, GEO 201, 202 or GEO 101, 102]

3f. Resource Geography (9 credits)

- (3) _____ GEO 420 Geography of Resource Use [Fall, 9 credits of upper-division Geography]
- (3) _____ GEO 423 Land Use [Fall]
- (3) _____ one of these
 - _____ GEO 335 Intro Water Science & Policy [F] _____ GEO 421 Humans Wildlife Env [S?]
 - _____ GEO 424 International Water Resources Geog [S] _____ GEO 425 Water Res Management US [W]
 - _____ GEO 426 Third World Resources [S] _____ GEO 452 Rural Res Planning [W]
 - _____ GEO 453 Resource Eval Methods [S]

3g. Geosciences Option [21 credits]

Geographic Information Science Undergraduate Certificate (see your Geography advisor)

Climate and Water Science. This option is appropriate for students who are interested in the geography of climate, and water, including climate change, history, and effects on water, snow and ice; vegetation; and other natural resources. Students intending to pursue graduate studies in climate science should also take physics and chemistry. (choose courses to total 21 credits)

- (3) _____ GEO 308 Global Change and Earth Science [Winter]
- (4) _____ GEO 323 Climatology [Winter, GEO 201, 202 or GEO 101, 102]
- (4) _____ GEO 335 Introduction to Water Science and Policy (Fall)

- (3) ___ GEO 424 International Water Resources Geography [Spring, 9 credits of upper-division geography]
- (3) ___ GEO 425 Water Resources Management in the United States [Spring, 9 credits of upper-division geography]
- (4) ___ GEO 431 Applied Climatology [Spring, GEO 323]
- (4) ___ GEO 481 Glacial Geology [Fall, GEO 202]
- (4) ___ GEO 483 Snow Hydrology [Winter, MTH 111 and GEO 202]
- (4) ___ GEO 486 Paleoclimatology [Winter, GEO 202 or 203, CHEM 121 and 122 or permission of instructor]
- (4) ___ GEO 487 Hydrogeology [Fall, GEO 202, MTH 252]
- (4) ___ GEO 488 Quaternary Stratigraphy of North America [Fall, GEO 481]
- (3) ___ ATS 210 Introduction to Atmospheric Sciences
- (3) ___ ATS 320 Man's Impact on Climate

Geographic Hazards and Sustainable Communities. This option is appropriate for students who are interested in the geography of sustainable human settlements, including planning and resource evaluation; use of natural resources; land-use and water resources management; and extreme events. (choose courses to total 21 credits)

- (3) ___ GEO 305 Living with Active Cascade Volcanoes (3) ___ GEO 306 Minerals, Water, Energy and Environment
- (3) ___ GEO 311 20th Century Environmental Policy [S] (3) ___ GEO 380 Earthquakes in the Pacific Northwest
- (3) ___ GEO 421 Humans and their Wildlife Environment (3) ___ GEO 423 Land Use [Winter]
- (3) ___ GEO 420 Geography of Resource Use [Fall, 9 credits of upper-division Geography]
- (3) ___ GEO 425 Water Resources Management in the United States [Spring, 9 credits of upper-division geography]
- (4) ___ GEO 432 Applied Geomorphology [Spring, GEO 322]
- (4) ___ GEO 452 Principles and Practices of Rural and Resource Planning [Winter, GEO 423]
- (4) ___ GEO 453 Resource Evaluation Methods/EIS [Winter, GEO 452]
- (4) ___ GEO 459 Topics in Land Use [GEO 452, GEO 465]
- (3) ___ AREC 351 Natural Resource Economics and Policy [ECON 201, MTH 111]
- (3) ___ AREC 352 Environmental Economics and Policy [ECON 201]
- (4) ___ AREC 353 Public Land Statutes and Policy [ECON 201, MTH 111]
- (3) ___ FW 340 Multicultural Perspectives in Natural Resources
- (4) ___ FOR 251 Recreation Resource Management
- (4) ___ PS 474 Natural Resource Policy and Bureaucratic Politics [PS 201]
- (4) ___ PS 475 Environmental Politics and Policy [PS 201]

International Development, Peace and Security. This option is appropriate for students who are interested in the geography of conflict, including regional and international factors. Students in this option select a set of courses focusing on a specific region of the world (total 21 credits)

- ___ Two courses on geography of population and development (6 credits)
 - (3) ___ GEO 399 Geography of International Development and Globalization [Winter, GEO 105 or 106]
 - (3) ___ GEO 350 Population Geography (3) ___ GEO 426 Third World Resources [S]

- ___ One regional geography courses (3 credits):

___ GEO 325 Africa	___ GEO 326 Europe	___ GEO 327 Asia
___ GEO 328 Latin America	___ GEO 329 US & Canada	___ GEO 339 Area Studies

- ___ Three courses **from the same region** from the following lists (9-10 credits)
 - (3) ___ ANTH ___ Anthropology: choose from ANTH 311-319 Peoples of the World (by region: North America, Europe, Latin America, Middle East, Africa, South and Southeast Asia, Pacific, China, Japan)]
 - (3) ___ HIST ___ History: choose from HIST 336 Twentieth Century Europe (3) or HIST 340-1, 350-1, 381-2, 387-8, 391-2, Regional history courses: Russia, Latin America, Africa, Islamic, East Asia]
 - (4) ___ PS ___ Political Science: choose from PS 340 Eastern and Central European Politics [PS 204], PS 341 Politics of Western Europe and the European Union [PS 204], PS 343 Russian Politics [PS 204], PS 344 Latin American Politics [PS 204], PS 345 The Politics of Developing Nations [PS 204], PS 348-9 Chinese Politics [PS 204], PS 350 Government and Politics of Modern Japan]
 - (3) ___ Culture

___ CHN 331-3 Chinese Culture	___ FR 270 France Today
___ FR 331-3 French Culture and Society	___ GER 331-2 German Culture
___ JPN 331-3 Japanese Culture	___ RUS 231-3 Russian Culture
___ SPAN 331-2 Spain and Portugal	___ SPAN 337-8 Latin America

- ___ One course on global conflict and cooperation (3-4 credits):
 - (3) ___ PAX 201 Study of Peace and the Causes of Conflict
 - (4) ___ PS 204 Introduction to Comparative Politics
 - (4) ___ PS 205 Introduction to International Relations [PS 201]
 - (4) ___ PS 451 American Foreign Policy [PS 201 or PS 205]
 - (4) ___ COMM 440 Theories of Conflict and Conflict Management [COMM 321 or instructor approval]
 - (3) ___ HST 317 Why War: A Historical Perspective

(3) ___ HST 464 American Diplomatic History [*upper division standing*]

(3) ___ FW 325 Global Crises in Resource Ecology

(4) ___ PS 345 The Politics of Developing Nations

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