



Geography Bachelor of Science Checklist

GISCIENCE SPECIALIZATION

Student Name and ID#: _____ Date Completed or updated: _____

Please provide your advisor an updated copy of this checklist before each advising meeting.

A minimum of 83 credits required with an average GPA of 2.25 or higher. A grade of C- or better is required for a course to meet requirements for the major.

Department Core Courses (all are required)

Course	Credits	Term Completed
GEOG 101 World Regional Geography	5	
GEOG 107 Our Dynamic Earth	5	
GEOG 208 Our Human World	5	
GEOG 250 Resource Exploitation & Conservation	4	
GEOG 301 Introduction to GIS & Maps	4	
GEOG 489 Capstone	2	

GIScience Core (all are required)

GEOG 303 GIS and Data Management	5	
GEOG 330 Airphoto Interpretation	5	
GEOG 404 GIS Analysis	5	
GEOG 409 Quantitative Methods	5	
GEOG 430 Remote Sensing	5	
Programming (One required)		
CS 110 Programming Fundamentals	4	
GEOG 411 GIS Programming	5	

Human and Regional Geography (One required)

GEOG 304 Economic Geography	5	
GEOG 306 Transportation and Planning	5	
GEOG 308 Cultural Geography	4	
GEOG 346 Political Geography	4	
GEOG 352 Geography of North America	4	
GEOG 355 Geography of the Pacific NW	4	
GEOG 366 Geography of the Middle East	4	
GEOG 368 Geography of Middle America	4	
GEOG 370 Geography of South America	4	
GEOG 371 Geography of Europe	4	
GEOG 375 Geography of Asia	4	
GEOG 381 Urban Geography	4	

Physical Geography (One required)

GEOG 361/461 Soils	5	
GEOG 382/482 Environmental Hydrology	5	
GEOG 386/486 Geomorphology	5	
GEOG 387/487 Biogeography	5	
GEOG 388/488 Weather and Climate	5	
GEOG 453 Riparian/ Wetlands Analysis	5	
GEOG 483 Snow	5	

Human-Environment Relationships (One required)

GEOG 305 Land Use Planning	5	
GEOG 306 Transportation and Planning	5	
GEOG 373 Water Resources	4	
GEOG 422 Food and Agriculture	4	
GEOG 442 Alternative Energy	5	
GEOG 445 Environmental Law	5	
GEOG 449 Env Hazard Analysis & Management	5	
GEOG 455 Pyrogeography	4	
GEOG 456 Recreational Resources: Analysis & Management	5	
GEOG 458 People, Parks, and Protected Areas	4	

Culminating Experience (One required)

GEOG 417 Workplace GIS	4	
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Electives (Minimum of three courses)

GEOG 411 GIS Programming (if not taken above)	5	
GEOG 485 Topics in GIS/Remote Sensing	4	
GEOG 490 Internship	4-6	
GEOG 494 Applied GIS Project	4-6	
GEOG 496 Independent Study	4-6	
CS 110 Programming Fundamentals (if not taken above)	4	
CS 111 Program Fundamentals II	5	
CS 351 Web Development Technology II	5	
ENG 310 Technical Writing	4	
MATH 153 Precalculus	5	

- I have verified a grade of C- or better was earned in all of the above courses
- I have verified I have earned at least 83 credits toward the major with an average G.P.A. of 2.25 or higher