

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 330 Airphoto Interpretation | 5 |  |
| GEOG 403 GIS and Data Management | 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 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 386/486 Geomorphology | 5 |  |
| GEOG 387/487 Biogeography | 5 |  |
| GEOG 388/488 Weather and Climate | 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 455 Pyrogeography | 4 |  |
| GEOG 458 People, Parks, and Protected Areas | 5 |  |

**Culminating Experience (One required)**

|  |  |  |
| --- | --- | --- |
| GEOG 417 Workplace GIS | 4 |  |

**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 (GIS focused) | 4-6 |  |
| GEOG 494 Applied GIS Project | 4-6 |  |
| GEOG 496 Individual Study (GIS focused) | 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