

BACHELOR OF ARTS IN GEOGRAPHY-GIS/RS TRACK

| COURSE | TITLE | S.H. |
|---|---|----------|
| FIRST YEAR REQUIREMENT -STUDENT SUCCESS | | |
| YSU 1500 | Success Seminar | 1-2 |
| or SS 1500 | Strong Start Success Seminar | |
| or HONR 1500 | Intro to Honors | |
| General Education Requirements | | |
| ENGL 1550 | Writing 1 | 3-4 |
| or ENGL 1549 | Writing 1 with Support | |
| ENGL 1551 | Writing 2 | 3 |
| CMST 1545 | Communication Foundations (Mathematics requirement) | 3 |
| Mathematics requirement | | |
| STAT 2601 | Introductory Statistics | 3 |
| or MATH 2623 | Quantitative Reasoning | |
| or STAT 2625 | Statistical Literacy and Critical Reasoning | |
| Some courses are categorized in more than one knowledge domain. Courses can only be used once within the General Education model. | | |
| Arts and Humanities (6 s.h.) | | 6 |
| Natural Sciences (2 courses, 1 with lab) (6-7 s.h.) | | |
| GEOG 1503 | Physical Geography (required for major) | 3 |
| Natural Science elective | | 4 |
| Social Science (6 s.h.) | | |
| GEOG 2626 | World Geography | 3 |
| or GEOG 2640 | Human Geography | |
| Social Science elective | | 3 |
| Social and Personal Awareness (6 s.h.) | | 6 |
| Foreign Language Requirement | | |
| FNLG 1550 | Elementary Foreign Language | 4 |
| FNLG 2600 | Intermediate Foreign Language | 4 |
| MAJOR REQUIREMENTS | | |
| At least 21 s.h. of GEOG courses must be at the 3700-level or above. Grade of C or better is required. Courses cannot be taken CR/NC and cannot count towards both the major and minor. | | |
| GEOG 1503 | Physical Geography | 3 |
| GEOG 2611 | Geospatial Foundations | 3 |
| GEOG 3701 | Introduction to Geographic Information Science | 3 |
| GEOG 3702 | Introduction to Remote Sensing | 3 |
| GEOG 4890 | Geography Capstone | 3 |
| Select one of the following courses (3 s.h.): | | 3 |
| GEOG 2626 | World Geography | |
| GEOG 2640 | Human Geography | |
| Regional Geography - Select one course from the following (3 s.h.): | | 3 |
| GEOG 3713 | Geography of South America | |
| GEOG 3715 | Geography of Middle America | |
| GEOG 3717 | Geography of Europe | |
| GEOG 3719 | Geography of the United States | |
| GEOG 3721 | Geography of Ohio | |
| GEOG 3750 | Topics in Regional Geography | |
| GEOG 5850 | International Area Study | |
| Select one course from the following (3 s.h.): | | 3 |
| GEOG 4801 | Advanced Geographic Information Science | |
| GEOG 4802 | Advanced Remote Sensing | |
| Select two additional courses from the following (6 s.h.): | | 6 |

| | | |
|--|--|----------------|
| GEOG 3712 | Thematic Map Design and Symbolization | |
| GEOG 3775 | Field Methods in Geography | |
| GEOG 3781 | GIS Applications for the Social Sciences | |
| GEOG 3782 | GIS Applications for the Natural Sciences | |
| GEOG 4801 | Advanced Geographic Information Science | |
| GEOG 4802 | Advanced Remote Sensing | |
| GEOG 4825 | Geography Internship | |
| GEOG 4840 | Seminar in Geography | |
| GEOG 5812 | | |
| GEOG 5820 | Directed Research in Geography | |
| Select one 3 s.h. GEOG course at the 3700-level or higher | | 3 |
| Four Required Support Courses (12-13 s.h.): | | |
| CSIS 1590 | Survey of Computer Science and Information Systems | 3 |
| CSIS 1595 | Fundamentals of Programming and Problem-Solving 1 | 3 |
| CSIS 3722 | Development of Databases | 3 |
| Select one of the following courses which satisfies the General Education MATH requirement: | | 3-4 |
| STAT 2601 | Introductory Statistics | |
| STAT 2625 | Statistical Literacy and Critical Reasoning | |
| MATH 2623 | Quantitative Reasoning | |
| Minor | | 18 |
| Electives to meet 120 hours | | 8 |
| Total Semester Hours | | 117-120 |
| Year 1 | | |
| Spring | | S.H. |
| ENGL 1551 | Writing 2 | 3 |
| FNLG 2600 | Intermediate Foreign Language | 4 |
| GEOG 2611 | Geospatial Foundations | 3 |
| GEOG 2626 | World Geography | 3 |
| or GEOG 2640 | or Human Geography | |
| Arts and Humanities 15XX/26XX Course | | 3 |
| Semester Hours | | 16 |
| Fall | | |
| YSU 1500 | Success Seminar | 1 |
| ENGL 1550 | Writing 1 | 3-4 |
| or ENGL 1549 | or Writing 1 with Support | |
| GEOG 1503 | Physical Geography | 3 |
| Mathematics Requirement | | 3-4 |
| STAT 2601 | Introductory Statistics | |
| or | | |
| STAT 2625 | Statistical Literacy and Critical Reasoning | |
| or | | |
| MATH 2623 | Quantitative Reasoning | |
| FNLG 1550 | Elementary Foreign Language | 4 |
| Semester Hours | | 14-16 |
| Year 2 | | |
| Spring | | |
| Social and Personal Awareness 15XX/26XX- level course | | 3 |
| Minor 15XX/26XX- level course | | 3 |
| Arts and Humanities 15XX/26XX level course | | 3 |
| CSIS 1595 | Fundamentals of Programming and Problem-Solving 1 | 3 |
| GEOG 37XX | Regional Geography Elective | 3 |
| Semester Hours | | 15 |

| Fall | | |
|--|--|-----------|
| GEOG 3701 | Introduction to Geographic Information Science | 3 |
| GEOG 3702 | Introduction to Remote Sensing | 3 |
| Social Science 15XX/26XX course | | 3 |
| Natural Science 15XX/26XX level course w/lab | | 4 |
| CSIS 1590 | Survey of Computer Science and Information Systems | 3 |
| Semester Hours | | 16 |

Year 3

| Spring | | |
|---------------------------------------|--|-----------|
| Minor 15XX/26XX- level course | | 3 |
| GEOG Elective 37XX/48XX- level course | | 3 |
| Minor 15XX/26XX- level course | | 3 |
| Minor 15XX/26XX- level course | | 3 |
| Elective 37XX/48XX- level course | | 3 |
| Semester Hours | | 15 |

| Fall | | |
|---|---|-----------|
| CMST 1545 | Communication Foundations | 3 |
| GEOG 4801 or GEOG 4802 | Advanced Geographic Information Science or Advanced Remote Sensing | 3 |
| Social Science 15XX/26XX course | | 3 |
| Social and Personal Awareness 15XX/26XX- level course | | 3 |
| CSIS 3722 | Development of Databases | 3 |
| Semester Hours | | 15 |

Year 4

| Spring | | |
|--|--|-----------|
| Minor 37XX/48XX- level course | | 3 |
| GEOG 37XX- level or higher elective | | 3 |
| GIS Elective GEOG 37XX/48XX/58XX- level course | | 3 |
| Elective 37XX/48XX- level course | | 3 |
| Elective 37XX/48XX- level course | | 3 |
| Semester Hours | | 15 |

| Fall | | |
|--|--------------------|-----------|
| GEOG 4890 | Geography Capstone | 3 |
| Minor 37XX/48XX- level course | | 3 |
| GIS Elective GEOG 37XX/48XX/58XX- level course | | 3 |
| GEOG Elective 37XX/48XX- level course | | 3 |
| Elective | | 2 |
| Semester Hours | | 14 |

Total Semester Hours **120-122**

In addition to the above, students completing the GIS/RS Track or a Certificate in Geospatial Science and Technology will:

- Demonstrate proficiency in one or more applications of geospatial technology: geographic information systems, global positioning systems, and remote sensing.

Learning Outcomes

Geography majors, upon fulfilling the requirements of the major, will:

- Demonstrate understanding of the fundamental themes of human and physical geography: region, movement, human/environmental interaction, landscape, and place.
- Demonstrate understanding of spatial patterns and processes in the human and physical environment.
- Effectively use, analyze, and interpret maps and other graphic representations of geographic information.
- Be proficient in geographic methods and techniques such as cartography, GIScience, remote sensing, and field methods.
- Effectively communicate geographic information in written and oral forms.
- Complete a research proposal that requires synthesis of relevant literature and development of a viable geographic research project.