**Bachelor of Science**

**Major: Geographic Information Science**

*Students majoring in GIS will learn the tools, methods, and software necessary for managing and analyzing geographic information. Students in this major will complete a minimum of 121 hours (including 39 upper division hours) outlined as follows.*

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| **General Education Requirements** |
| **Requirement** | **Course Options** | **Hours** |
| GE Launch Seminar | AcadAff 1201 | 1 |
| Foundations: Writing and Information Literacy  | ***Student Choice***  | 3 |
| Foundations: Mathematical & Quantitative Reasoning/Data Analysis  | ***Math 1151*** | 5 |
| Foundations: Literary, Visual and Performing Arts  | ***Student Choice***  | 3 |
| Foundations: Historical & Cultural Studies  | ***Student Choice***  | 3 |
| Foundations: Natural Sciences | ***Student Choice***  | 4-5 |
| Foundations: Social & Behavioral Sciences  | ***Student Choice***  | 3 |
| Foundations: Race, Ethnicity and Gender Diversity  | ***Student Choice***  | 3 |
| Theme: Citizenship for a Diverse & Just World\* | ***Student Choice***  | 4-6 |
| Theme: Student Choice\* | ***Student Choice*** | 4-6 |
| GE Reflection | AcadAff 4001  | 1 |
| **General Education Credit Hours:** | **32-39** |

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| **College Requirements** |
| **Requirement** | **Course Options** | **Hours** |
| University Survey | **ASC 1100.xx(H)** | 1  |
| World Language Foundation | **1101-1103 in any language or equivalent proficiency\*\*** | 0-12  |
| **Credit Hours:** | **1-13**  |

\* Students complete either one 4-credit course or two 3-credit courses in each of two General Education Theme areas: Citizenship for a Diverse & Just World (required), and the student’s choice of available GE Themes. If major courses are approved as a GE Theme course, one course in each GE Theme area may double count in the GE and major hours.

\*\*Students must demonstrate proficiency in a language other than English at a level equivalent to 3 semesters of university coursework. Proficiency may be demonstrated by satisfactory completion of coursework, appropriate testing, or language validation. Please see <https://cllc.osu.edu/validation-foreign-language-0> and your Academic Advisor for more details.

\*\*\*Major Pre-Requisites and Co-Requisites may overlap freely with GE Foundations, GE Themes, minors, or certificates when appropriate.

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| **Major Pre-requisites/Co-requisites\*\*\*** |
| **Course** | **Title** | **Hours** |
| GEOG 3597.03 | EL: Advanced Writing | 3 |
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| **Credit Hours:** | **3**  |

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| **Major Coursework** |
| **Course** | **Title** | **Hours**  |
| **Major Coursework –** Core (24 hours) |
| GEOG 4103 | EL: Data Analysis | 3 |
| GEOG 5200 |  | 3 |
| GEOG 5201 |  | 3 |
| GEOG 5210 | EL: Tech | 3 |
| GEOG 5212 |  | 3 |
| GEOG 5222 |  | 3 |
| GEOG 5223 |  | 3 |
| GEOG 5225 |  | 3 |
| **Major Coursework –** Electives select 3 (9 hours) |
| GEOG 4191 |  | 1-5 |
| GEOG 5103 |  | 3 |
| GEOG 5226 |  | 3 |
| GEOG 5229 |  | 3 |
| GEOG XXXX | Any 5000-level Geography Course | 3 |
| CSE 2122 |  | 3 |
| CSE 2221 |  | 3 |
| CSE 2231 |  | 3 |
| CSE 2123 |  | 3 |
| CSE 3241 |  | 3 |
| CSE 5242 |  | 3 |
| **Credit Hours:** | 33 |

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| **Open Electives** |
|  |
| **Credit Hours:** | **\_\_\_\_\_\_\_** |

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| General Education | **32-39** |
| College Requirements | **1-13** |
| Major Pre-requisites/Co-requisites | **3** |
| Major Coursework  | **33** |
| Required Minor/Certificate | **\_\_\_\_N/A** |
| Open Electives | **\_\_\_\_\_\_** |
| **Total Credit Hours**  | **Min. 121** |

**College of Arts and Sciences Policies and General Requirements for Degree**

* Students must earn a minimum of 121 total credit hours. Remedial courses (courses at the 10XX level or below, and English 1109) and credit hours earned in repeated course work do not count toward the 121 hour minimum.
* A maximum of 10 hours of non-Arts and Sciences and non-Arts and Sciences-approved course work can be applied to your degree. Of the 10 hours, no more than 4 may be from physical activities courses taught in Education: Physical Activity and Educational Services (KNSFHP); physical activities courses include all 1100 level KNSFHP courses except for 1102, 1103, 1122, and 1137. A maximum of 8 hours of technical credit may be counted toward the 10 hours of non-Arts and Sciences and non-Arts and Sciences-approved course work; however, the combination of KNSFHP, technical, and other non-Arts and Sciences credit hours may not exceed 10.
* Students must complete a total of 39 upper division hours. Upper-division courses are defined as all Arts and Sciences courses at the 3000-level or above, Philosophy 2500, all courses taught by departments in mathematical and physical sciences (Astronomy, Chemistry and Biochemistry, Computer Science and Engineering, Earth Sciences, Mathematics, Physics, and Statistics) at the 2000-level and above (except for courses numbered 2194), and world language courses taught in the language at the 2000-level.
* Students must earn a minimum of 30 credit hours through regular course enrollment at Ohio State.
* Students must earn a cumulative grade point average (GPA) of at least 2.0 for all work attempted at Ohio State. Additionally, students must earn a cumulative GPA of at least 2.0 in their major.

**[Name of Department] Department Policies and Requirements**

* [Minimum grades in select courses]
* [Application to the major/program]
* [Honors Requirements]
* [Restricted research/independent study/internship hours]
* [Study Abroad requirements/restrictions]
* [Internship requirements/restrictions]
* [Minor requirements/restrictions]
* [Other department rules as appropriate]