

**B.S. Degree in Spatial Information Systems (SIS) with the  
Geographic Information Systems (GIS) Option Cluster (125 - 127 credits)**

| <u>Freshman Year</u>                    |             |  | <u>Credits</u> |
|---|-------------|--|----------------|
| <b>Fall Term (#1) (16 credits)</b>      |             |  |                |
| CIS                                     | 2223        | Microcomputer Applications   | 3              |
| ENGL                                    | 1013        | Freshman Composition I   | 3              |
| MATH                                    | 1043        | College Algebra (or MATH 1175 Precalculus)                           | 3              |
| <b>SIS</b>                              | <b>1001</b> | <b>Introduction to Spatial Information Systems (SIS)</b>             | <b>1</b>       |
|   |             | Fine Arts Appreciation (ART 1053 or MUS 1113)                        | 3              |
|   |             | Humanities Cluster (HIST 1013 or 1023)                               | 3              |
| <b>Spring Term (#2) (16 credits)</b>    |             |  |                |
| CIS                                     | 2203        | Programming Microcomputer Systems                                    | 3              |
| ENGL                                    | 1023        | Freshman Composition II  | 3              |
| MATH                                    | 1033        | Trigonometry (or MATH 1175 Precalculus)                              | 3              |
| PSCI                                    | 2213        | American National Government   | 3              |
| <b>SIS</b>                              | <b>2014</b> | <b>Boundary Surveying</b>  | <b>4</b>       |
| <u>Sophomore Year</u>                   |             |  | <u>Credits</u> |
| <b>Fall Term (#3) (15 - 17 credits)</b> |             |  |                |
| ENGL                                    | 3253        | Technical Writing  | 3              |
| GEOG                                    | 2213        | General Geography I  | 3              |
| MATH                                    |             | Calculus (MATH 1073 or 2255)   | 3 or 5         |
| <b>SIS</b>                              | <b>2023</b> | <b>Computer Assisted Cartography</b>                                 | <b>3</b>       |
|   |             | Humanities Cluster (ENGL 2283 or 2293)                               | 3              |
| <b>Spring Term (#4) (17 credits)</b>    |             |  |                |
| ESCI                                    | 1051        | Earth Science Laboratory   | 1              |
| ESCI                                    | 1063        | Introductory Earth Science   | 3              |
| GB                                      | 3713        | Business Statistics  | 3              |
| <b>SIS</b>                              | <b>3814</b> | (FOR 3814, WLF 3814) Introduction to GIS, GPS,<br>and Remote Sensing | 4              |
|   |             | Philosophy Course (PHIL 3523 or 3623)                                | 3              |
|   |             | Psychology (PSY 1013) or Sociology (SOC 2213)                        | 3              |
| <u>Junior Year</u>                      |             |  | <u>Credits</u> |
| <b>Fall Term (#5) (16 credits)</b>      |             |  |                |
| PHYS                                    | 1003        | Elements of Physics  | 3              |
| PHYS                                    | 1021        | Elements of Physics Laboratory                                       | 1              |
| <b>SIS</b>                              | <b>3913</b> | <b>Data Base Design and Management</b>                               | <b>3</b>       |
| <b>SIS</b>                              |             | <b>SIS Option Cluster (GIS) (SIS 3923 Remote Sensing )</b>           | <b>3</b>       |
| <b>SIS</b>                              |             | <b>SIS Option Cluster (GIS) (MGMT 3443 Management Science)</b>       | <b>3</b>       |
|   |             | Elective Credits   | 3              |

| <b>Spring Term (#6) (15 credits)</b> |             |   |                    |
|--------------------------------------|-------------|---|--------------------|
| CIS                                  | 3443        | Object-Oriented Programming Languages   | 3                  |
| SPCH                                 | 2283        | Business and Professional Speech  | 3                  |
| <b>SIS</b>                           | <b>3843</b> | <b>Advanced Geographic Information Systems (GIS) I</b>                                      | <b>3</b>           |
| <b>SIS</b>                           |             | <b>SIS Option Cluster (GIS) (GEOG 2223 General Geography II)</b>                            | <b>3</b>           |
| <b>SIS</b>                           |             | <b>SIS Option Cluster (GIS) (SIS 4633 Digital Photogrammetry)</b>                           | <b>3</b>           |
| <br><i>Senior Year</i>               |             |   | <br><i>Credits</i> |
| <b>Fall Term (#7) (15 credits)</b>   |             |   |                    |
| <b>SIS</b>                           | <b>4183</b> | <b>Mapping Law and Professionalism</b>  | <b>3</b>           |
| <b>SIS</b>                           |             | <b>SIS Option Cluster (GIS) (SIS 4713 Advanced Geographic Information Systems (GIS) II)</b> | <b>3</b>           |
| <b>SIS</b>                           |             | <b>SIS Option Cluster (GIS) (SIS 3933 Spatial Statistics)</b>                               | <b>3</b>           |
|                                      |             | Elective Credits  | 6                  |
| <b>Spring Term (#8) (15 credits)</b> |             |   |                    |
| <b>SIS</b>                           | <b>4886</b> | <b>SIS Practicum</b>  | <b>6</b>           |
|                                      |             | Elective Credits  | 9                  |