

**GIS CERTIFICATE**

**Academic Year: 2021-2022** **18 Program Credits**

|  |     |  |  |     |
|--|-----|--|--|-----|
| A grade of <b>C</b> or better required in all program courses                  |     |  | A student with prerequisites starting the program in the fall may finish within a year |     |
| <b>Prerequisites (Non-Environmental Science majors)</b>                        |     |  | <b>Choose 4 credits of GIS Electives from the followings:</b>                          |     |
| ENVL 2100/05 Physical Geography  | (5) |  | ENVL 3304 Remote Sensing   | (2) |
| ENVL 2400 Statistical Analysis of Ecological Systems or equivalent             | (4) |  | ENVL 3307 Geodatabase Design   | (2) |
| <b>Common Core (10 credits)</b>  |     |  | ENVL 3308 Introduction to LIDAR  | (2) |
| ENVL 3302 Geographic Information Systems or equivalent                         | (4) |  | ENVL 4201 Introduction to Spatial Statistics   | (2) |
| ENVL 3303 Advanced GIS (spring)  | (4) |  | CIST 3222 Database Systems   | (4) |
| ENVL 4622 Global Positioning Systems for Geographic Information Systems (fall) | (2) | <b>4 Credit Internship or Senior Project</b> |  |     |
|  |     | GIS 4800/4900 Senior Project or Internship   | (4)  |     |

Please refer to the program [website](#) for information about requirements, prerequisites, further details about the curriculum, and curriculum updates.

Students should consult with their preceptor and/or the [Center for Academic Advising](#) on a regular basis to ensure that all graduation requirements have been met.