

## Curriculum/Course Descriptions

### **GEOGRAPHIC INFORMATION SYSTEMS (GIS)** **17\* or 18**

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<b>Prerequisites (for non-ENVL majors):</b>		<b>8</b>
ENVL 2100, Physical Geography		(4)
ENVL 2400, Statistical Analysis of Ecological Systems, or equivalent		(4)
 <b>Common Core:</b>		 <b>9* - 10</b>
ENVL 3302, Geographic Information Systems or equivalent		(3* or 4)
ENVL 3303, Advanced GIS	(spring)	(4)
ENVL 4622, Global Positioning Systems for GIS	(fall)	(2)
 <b>Select one or two from the following courses:</b>		 <b>4</b>
ENVL 3304, Remote Sensing	(spring)	(2)
ENVL 3307, Geodatabase	(spring)	(2)
ENVL 3308, Intro to LiDAR		(2)
ENVL 4201, Spatial Statistics	(spring)	(2)
CSIS 3222, Database Systems		(4)
 <b>GIS Senior Project or Internship:</b>		 <b>4</b>
ENVL 49/4800, GIS projects		(4)

A student with prerequisites starting the program in fall may finish it within a year!

\* Applies to a transferred course carrying 3 credits instead of 4.