Cartography & GIS Major Requirements

Breadth coursework: At least one course in each of the three subareas of Geography

_____ Physical geography: Course _________

_____ People-environment geography: Course _________

_____ Human geography: Course _________

Core coursework

_____ GEOG 560: Advanced Quantitative Methods (fall); or STAT 301: Intro to Statistical Methods; or STAT 371: Intro Applied Statistics for the Life Sciences

_____ GEOG 370: Intro to Cartography (every semester)

_____ GEOG 371: Intro to Environmental Remote Sensing (summer & fall)

_____ GEOG 377: Intro to GIS (every semester)

_____ GEOG 378: Intro to Geocomputing (fall)

_____ GEOG 565: Colloquium for Undergraduate Majors (fall); or GEOG 681 & 682: Honors in the Major; or GEOG 691 & 692: Senior Thesis

Elective coursework

_____ At least two of the following courses:

_____ GEOG 532: Applications of GIS in Planning (fall)
_____ GEOG 572: Graphic Design in Cartography (fall)
_____ GEOG 573: Advanced Geocomputing & Geospatial Big Data Analytics (spring)
_____ GEOG 574: Geospatial Database Design & Development (fall)
_____ GEOG 575: Interactive Cartography & Geovisualization (spring)
_____ GEOG 576: Spatial Web & Mobile Programming (spring)
_____ GEOG 578: GIS Applications (spring)
_____ GEOG 579: GIS & Spatial Analysis (fall)

Math

_____ Equivalency of college-level algebra and trigonometry