

Overview – B.S. in Geographic Information Science & Technology

Includes Minor in Geography, Computer Science Certificate, and Geographic Information Systems Certificate (Last Revised 04/17/2023)

College Requirements (30 hrs)

Communications

Literary/Rhetorical/Fine Arts

Western Heritage

Multicultural Overlay

Philosophy

Math, Science, and Social Science (24 hrs)

Biology

Geography

Mathematics

Physics

Statistics

GIS&T Major Requirements (51 hrs)

Computational Core (23 hrs)

Computing

Data Structures and Algorithms

Databases

Programming

Webpage Development

Experiential Learning (1 hr)

Capstone Experience (2 hrs)

Geospatial Core (25 hrs)

Cartography

Geographic Information Systems

GIS Web Services

Programming for GIS Analyses

Remote Sensing

Specialization Areas (15 hrs) – the following result in additional double major, minor, or certificate opportunities

Anthropology Minor (+3)

Biology Minor (+0)

Data Analytics Certificate (+3)

Entrepreneurship Minor (+0)

Geography Double Major (+0)

Integrated Computer Science
Double Major (+18)

Leadership Minor (+2)

Mathematics Minor (+6)

Statistics Minor (+0)

Unmanned Aircraft Systems
Minor (+0)

...or pursue other expertise by taking free electives in ecology, public health, water resources, and more!