GEOGRAPHIC INFORMATION SCIENCE

Post-Baccalaureate Certificate

9 months, 24 credits

The Geographic Information Science Certificate provides students with in-depth training in Geographic Information Science theory and techniques. Students will gain advanced skills in the development, management, analysis, and visualization of spatial data, with an emphasis on environmental applications. Coursework includes spatial analysis, geospatial data management, python programming, and cartography, with opportunities to design and complete original research projects and develop a professional portfolio. The certificate prepares students for careers as geospatial analysts and GIS technicians, and is a valuable complement to many professional fields.

Prerequisite: ENVS 320 or an equivalent introductory GIS class (can be completed online during summer 2020).

Degree Facts:

- Remote delivery of all classes planned for the 2020-2021 academic year
- In-state tuition
- 24 credits
- Cohorts start in fall
- Can be completed in 3 quarters
- Open to working professionals
- May be completed as a standalone post-baccalaureate certificate, or in combination with an M.A. or M.S. for matriculated graduate students
- No GRE required

Fall

- Computer Cartography (ENVS 321, 4 credits)
- Analysis and Modeling (ENVS 520, 4 credits)

Winter

- Analysis of Spatial Data (ENVS 322, 4 credits)
- Advanced GIS Applications (ENVS 521, 4 credits)

Spring

- Advanced Spacial Analysis (ENVS 522, 4 credits)
- GIS Processing and Analysis (ENVS 423, 3 credits)
- Topics in GIS (ENVS 499Q, 1 credit)

WWU Rankings:

- 7th nationally for graduates who go on to earn research doctorates
- Western Washington University is the highest-ranking public, master’s-granting university in the Pacific Northwest

More Information and Application Instructions at: https://huxley.wwu.edu/sal/gis-minor-certificate