



## CyberGIS and Geospatial Data Science Graduate Certificate Course Rotation

- **Summer**  
(NOTE the department name is changing along with the course rubrics from GEOG to GGIS starting in Fall term 2022)
  - GEOG 403 (Geographic Information Science and Systems)
  - GEOG 407 (Foundations of CyberGIS & Geospatial Data Science)
  - GEOG 517 (Geospatial Visualization & Visual Analytics)
  - GEOG 527 (Geospatial Artificial Intelligence & Machine Learning)
- **Fall**
  - GGIS 403 (Geographic Information Science and Systems, 1<sup>st</sup> 8 weeks)
  - GGIS 407 (Foundations of CyberGIS & Geospatial Data Science, 1<sup>st</sup> 8 weeks)
  - GGIS 527 (Geospatial Artificial Intelligence & Machine Learning, 2<sup>nd</sup> 8 weeks)
- **Spring**
  - GGIS 407 (Foundations of CyberGIS & Geospatial Data Science, 1<sup>st</sup> 8 weeks)
  - GGIS 507 (High-Performance Geospatial Computing, 1<sup>st</sup> 8 weeks)
  - GGIS 517 (Geospatial Visualization & Visual Analytics, 2<sup>nd</sup> 8 weeks)