

Graduate Certificate in Geospatial Intelligence (GEOINT)

The School of Economic, Political and Policy Sciences (EPPS) offers a graduate certificate in Geospatial Intelligence (GEOINT). Geospatial Intelligence is a rapidly evolving field that demands specific technical skills sets, a rapid critical thinking ability, and a global awareness, with an aim to collect valuable information for national security and other intelligence activities. The graduates of the certificate program will meet the requirements for such professionals set forth by the United States Geospatial Intelligence Foundation (USGIF) and therefore will also be offered a certificate by USGIF.

Certificate Requirements

Requirements for admission to the certificate program are the same as a non-degree seeking graduate student. The Geospatial Intelligence Certificate requires the completion of five (5) graduate courses (15 semester credit hours). No more than six (6) semester credit hours from other institutions may be applied to the required 15 semester credit hours. The courses taken for this certificate will apply for Master of Science in Geospatial Information Sciences degree if the student meets the conditions for full admission as a graduate student to the Master's program. Courses taken as part of the certificate can be taken in conjunction with the Graduate Certificates in Geospatial Information Systems and Remote Sensing. Certificate must be completed within a 3-year time period with a minimum GPA of 3.0.

Required Core Courses – Nine (9) Semester Credit Hours:

- GISC 6301 GIS Data Analysis Fundamentals
- GISC 6381 Geographic Information Systems Fundamentals
- GISC 6325 (GEOS 5325) Remote Sensing Fundamentals
- GISC 6387 (GEOS 5326) Geospatial Sciences Workshop

Elective Courses – Three (3) Semester Credit Hours from the following:

- GISC 5322 (GEOS 5322) GPS Satellite Surveying Techniques
- GISC 5324 (GEOS 5324) 3D Capture and Ground Lidar
- GISC 6317 GIS Programming Fundamentals
- GISC 6379 Special Topics in Geographic Information Systems
- GISC 6384 (GEOS 6384) Advanced Geographic Information Systems
- GISC 6385 (GEOS 6385) GIS Theories, Model and Issues
- GISC 6388 Advanced GIS Programming
- GISC 7310 Advanced GIS Data Analysis
- GISC 7360 GIS Pattern Analysis
- GISC 7361 Spatial Statistics
- GISC 7363 Internet Mapping and Information Processing
- GISC 7365 Advanced Remote Sensing
- GISC 7366 Applied Remote Sensing
- MIS 6320 Database Foundations
- MIS 6324 Business Intelligence
- MIS 6360 Software Project Management

For more information contact:
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