GEOSPATIAL INTELLIGENCE ANALYTICS GRADUATE CREDIT CERTIFICATE PROGRAM

Person-in-Charge	Greg Thomas
Program Code	GEOINT
Campus(es)	World Campus

The graduate credit certificate in Geospatial Intelligence Analytics is for aspiring geospatial intelligence professionals as well as those with experience in the field who are only able to participate part-time and at a distance, while maintaining professional responsibilities. Students can take foundational or advanced courses depending on their level of expertise. The program promotes sound theory, methodologies, techniques, ethics, and best practices in the professional application of geospatial intelligence. The 15-credit curriculum integrates the geospatial information science and intelligence disciplines in a synergistic manner. The program is well suited for the geospatial intelligence professional serving outside the continental U.S.

Effective Semester: Fall 2023
Expiration Semester: Fall 2028

Admission Requirements

Applicants apply for admission to the program via the Graduate School application for admission (https://gradschool.psu.edu/graduate-admissions/how-to-apply/). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions Policies (https://gradschool.psu.edu/graduate-education-policies/). International applicants may be required to satisfy an English proficiency requirement; see GCAC-305 Admission Requirements for International Students (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-305-admission-requirements-international-students/) for more information.

Certificate Requirements

Requirements listed here are in addition to requirements listed in Graduate Council policy GCAC-212 Postbaccalaureate Credit Certificate Programs (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-212-postbaccalaureate-credit-certificate-programs/).

Code	Title	Credits
Required Courses		
GEOG 571	Intelligence Analysis, Cultural Geography, and Homeland Security	3
or GEOG 882	Geographic Foundations of Geospatial Intelligence	
GEOG 884	Spatial Data Science and Intelligence Analysis	3
or GEOG 483	Problem-Solving with GIS	
GEOG 883	Remote Sensing Image Analysis and Applications	3
or GEOG 479	Spatial Data Science for Cyber and Human Social Networks	
or GEOG 480	Exploring Imagery and Elevation Data in GIS Applications	
GEOG 885	Analytical Methods and GeoAI in Geospatial Intelligence	3
GEOG 594A	Culminating Experiences in Geospatial Intelligence	3
or GEOG 596	Individual Studies	
Total Credits		**15**

Courses

Graduate courses carry numbers from 500 to 699 and 800 to 899. Advanced undergraduate courses numbered between 400 and 499 may be used to meet some graduate degree requirements when taken by graduate students. Courses below the 400 level may not. A graduate student may register for or audit these courses in order to make up deficiencies or to fill in gaps in previous education but not to meet requirements for an advanced degree.

Learning Outcomes

- Combine advanced geospatial information science & technology knowledge and cognitive processes including theories, methodologies, techniques, ethics, and best practices to resolve complicated situations.
- Integrate professional experience, science, analytics, and the intelligence disciplines to create effective solutions.

Contact

Campus	World Campus
Graduate Program Head	Gregory A Thomas
Director of Graduate Studies (DGS) or Professor-in-Charge (PIC)	Anthony C Robinson
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Program Website	View (https://gis.e-education.psu.edu/geointel/)