GEOSPATIAL INTELLIGENCE APPLICATIONS POSTBACCAULAUREATE CREDIT CERTIFICATE PROGRAM

Person-in-Charge: Todd Bacastow
Program Code: GEOAPP
Campus(es): World Campus

The postbaccalaureate credit certificate in Geospatial Intelligence Applications provides a foundation in geospatial intelligence for the aspiring professional who has little or no experience in geography, geographic information systems, and remote sensing. The program addresses the theory, methodologies, techniques, and ethics in the professional application of geospatial intelligence. The curriculum integrates geospatial information science and analytic thinking in a synergistic manner.

Effective Semester: Fall 2017
Expiration Semester: Fall 2022

Admission Requirements
Applicants apply for admission to the program via the Graduate School application for admission (http://gradschool.psu.edu/prospective-students/how-to-apply/). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions Policies (http://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 (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-305-admission-requirements-international-students/) for more information.

An entering student must have worked, anticipate working, or have completed in a satisfactory manner course work in an area related to international affairs, national security, law enforcement, or business.

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

All candidates must take 13 credits, which includes a 3-credit course in geographic fundamentals of geospatial intelligence, a 3-credit course in the nature of geographic information course, 6 credits of geospatial information science and technology courses, and a 1-credit capstone course.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 483</td>
<td>Problem-Solving with GIS</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 882</td>
<td>Geographic Foundations of Geospatial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 594A</td>
<td>Culminating Experiences in Geospatial Intelligence (Capstone Course)</td>
<td>1</td>
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</tbody>
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Total Credits: 13

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
• Determine when and how to use foundational geospatial information science & technology knowledge and cognitive processes, such as theories, methodologies, techniques, and ethics in the professional application of geospatial intelligence.
• Combine geospatial information science and analytic thinking in a synergistic manner to solve complex real world problems.

Contact
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Program Website: View (https://gis.e-education.psu.edu/geointel/)