

National Security and Geospatial Intelligence, Certificate of Proficiency

The National Security and Geospatial Intelligence (NSGI) certificate of proficiency provides an interdisciplinary platform that prepares students for, and allows existing professionals, to advance in public and private sector national security careers through acquisition of subject matter expertise and geospatial analytical skills. This certificate equips students with knowledge and skills to analyze and evaluate the impact of national security-related events using geospatial science fundamentals and techniques to support decision-making processes. Students apply geospatial and national security concepts to address real-world problems with relevant datasets and directed class projects.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		21
Discipline Core		13 Credits
GEOG 3600	Introduction to Geographic Information Systems	4
NSS 2010	Introduction to National Security WE	3
GEOG 3400	Environmental Remote Sensing (GEOG 3600 must be taken before GEOG 3400)	3
NSS 3050	US Intelligence Community	3
Electives		6 Credits
Complete 3 credits from the following:		3
GEOG 3650		
GIS 3620	Advanced Geographic Information Systems (3)	
GEOG 4100	Geospatial Field Methods (3)	
EGDT 2400	Surveying Applications and Field Techniques II (3)	
CS 1400	Fundamentals of Programming (3)	
GIS 3630	Geographic Information Systems Application Development (3)	
Or any other courses with the following prefix: GEOG, SURV, GIS, EGDT, subject to program approval		
Complete 3 NSS credits from the following:		3
NSS 301R	National Security Area Studies (3)	
NSS 4300	Intelligence Cycle and Collections (3)	
NSS 4400	Statecraft and Strategy (3)	
NSS 4800	Intelligence Analysis and Tradecraft (3)	
Or any courses with the NSS or INTS prefixes, subject to program approval.		
Discipline Research Requirements		2 Credits
GEOG 489R	Student Research in Geography	1
NSS 491R	Directed Readings and Special Projects in National Security	1

Graduation Requirements

1. Complete all required credits.
2. 25% of credits must be taken at UVU.
3. Receive a C- or better in all courses with an overall grade point average of 2.5 or above.
4. Residency hours- minimum of 6 credit hours through course attendance at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

		Credit Hours
Semester 1		
NSS 2010	Introduction to National Security WE	3
GEOG 3600	Introduction to Geographic Information Systems	4
GIS 3620	Advanced Geographic Information Systems	3
NSS 3050	US Intelligence Community	3
Credit Hours		13
Semester 2		
GEOG 3400	Environmental Remote Sensing	3
NSS 301R	National Security Area Studies	3
GEOG 489R	Student Research in Geography	1
NSS 491R	Directed Readings and Special Projects in National Security	1
Credit Hours		8
Total Credit Hours		21

Program Learning Outcomes

1. Explain how remote-sensing systems are utilized to address typical problem scenarios in national security
2. Integrate science, geospatial analysis, and intelligence information to identify prominent threats to national security
3. Create maps and images to communicate spatial data in a meaningful way to others
4. Analyze spatial data to aid decision-making in disaster response, humanitarian relief efforts, and national security