GAI Certificate Program

The Geospatial Analysis and Intelligence (GAI) Certificate program is an intensive, 21 credit-hour program of study open to all students. Students are provided with basic and then advanced skills in remote sensing, GIS, analytics, programming, spatial data management, and intelligence analysis. The full program of study is available both on-campus and online. The GAI Certificate course of study may also be used as an 18 credit-hour academic minor (without the GIS 411 course requirement) when incorporated into another major program of study and forms the foundation for the GIT concentration for the Bachelor's of Science in Interdisciplinary Studies.

Level 1

- Introduction to Cartography (GIS 200)
- Introduction to GIS (GIS 202)

Level 2

- Advanced GIS (GIS 310)
- Remote Sensing (REM 316)
- Elective (Any GIS or REM Course)

Level 3

- Techniques in Intel Analysis (GIS 411)
- GIS Capstone Project/Internship (GIS 490)

Course Title	Number	Credit Hours
Computer Mapping/Cartography	GIS 200	3
Introduction to Geospatial Science and Technology	GIS 202	3
Digital Image Processing	GIS 211	3
Fundamental Techniques in Surveying	GIS 241	3
Advanced Geospatial Science & Technology (GIS II)	GIS 310	3
Case Studies in GEOINT	GIS 341	3
The Law and Surveying	GIS 351	3
Topographic Mapping	GIS 391	3
Advanced Surveying	GIS 401	3
Structured Analytic Techniques for Intel. Analysis	GIS 411	3
Trends in Spatial Technologies	GIS 421	2
Geospatial Mathematics, Algorithms and Statistics	GIS 461	3
Programing GIS	GIS 470	3
Internet GIS & Spatial Databases	GIS 480	3
GIS Internship	GIS 490	3
Introduction to Remote Sensing	REM 316	3
Information Extraction Using Microwave Data	REM 421	3
Information Extraction Using Spectral Data	REM 431	3