

Minor in Geographic Information Systems

Geographic Information Systems (GIS) is any system that allows an analyst to manipulate, explore, and display spatial or geographical data. It is widely used in both operations and research. The minor will be valuable to any degree program that requires spatial data to be digitally analyzed, manipulated, and overlaid on maps using ArcGIS software.

Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.

Daytona Beach Minor Requirements

GEOS 210	Introduction to Geographic Information Systems	3
GEOS 310	Advanced Geographic Information Systems	3
GEOS 402	Geo Info System Applications	3
Choose Two of the Following: *		6
ASTR 332	Techniques of Observational Astronomy	
ATMG 202	Introduction to Air Traffic Management	
AVMG 412	Airport Planning and Design	
CIVE 447	Airport Design I	
CPSC 118	Fundamentals of Computer Programming	
CYBR 155	Foundations of Information Security	
DSCI 412	Data Visualization	
DSCI 440	Data Mining	
GEOS 215	Introduction to Geoscience	
GEOS 350	Introduction to Remote Sensing with GIS	
GEOS 450	Lidar Processing with GIS	
GSIS 210	Security Fundamentals	
GSIS 428	Supply Chain Security	
INTL 406	Geographic Information Systems and Intelligence	
MMIS 320	Business Information Systems	
PHYS 380L	Optics Laboratory	
UNSY 368	UAS Sensing Systems	
UNSY 403	Uncrewed Sensing Systems	
WEAX 365	Satellite and Radar Weather Interpretation	
WEAX 368	Physical Meteorology	
Geoscience (GEOS) - Upper Level		
Total Credits		15

* Or other courses approved by Program Coordinator.

Prescott Minor Requirements

GEOS 210	Introduction to Geographic Information Systems	3
GEOS 310	Advanced Geographic Information Systems	3
GEOS 402	Geo Info System Applications	3
Choose Two of the Following: *		6
ASTR 332	Techniques of Observational Astronomy	
ATMG 202	Introduction to Air Traffic Management	
AVMG 412	Airport Planning and Design	
CIVE 447	Airport Design I	
CPSC 118	Fundamentals of Computer Programming	
CYBR 155	Foundations of Information Security	
DSCI 412	Data Visualization	

DSCI 440	Data Mining	
GEOS 215	Introduction to Geoscience	
GEOS 350	Introduction to Remote Sensing with GIS	
GEOS 450	Lidar Processing with GIS	
GSIS 210	Security Fundamentals	
GSIS 428	Supply Chain Security	
INTL 406	Geographic Information Systems and Intelligence	
MMIS 320	Business Information Systems	
PHYS 380L	Optics Laboratory	
UNSY 368	UAS Sensing Systems	
UNSY 403	Uncrewed Sensing Systems	
WEAX 365	Satellite and Radar Weather Interpretation	
WEAX 368	Physical Meteorology	
Geoscience (GEOS) - Upper Level		
Total Credits		15

* Or other courses approved by Program Coordinator.