

DIGITAL EARTH TECHNOLOGIES, POST- BACCALAUREATE CERTIFICATE

The Post-Baccalaureate Certificate in Digital Earth Technologies provides advanced skills and knowledge in methodologies and techniques for earth observation and monitoring. Geospatial technologies, such as geographic information systems (GIS) and remote sensing, are necessary for modeling, monitoring, and predicting environmental change.

The 12 credit hour curriculum includes two core advanced courses (one in GIS and one in remote sensing) and two elective courses.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Undergraduate degree in any field, with prerequisites necessary for advanced course work in environment/sustainability and geography.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Core Courses (6 credits)		
GES 658	Advanced Geographic Information Systems	3
GES 659	Advanced Remote Sensing-Imaging	3
GIS/Technology-Focused Electives (6 credits)		
Select 6 credits of electives from the following:		6
GES 603	Understanding Geographic Information Systems	
GES 614	GIS Programming and Design Application	
GES 620	Spatial Analysis	
GES 621	Seminar in Geographic Information Science	
GES 622	GIS Applications in Urban Planning	
GES 657	Advanced Cartography	
GES 690	Research Problems in Applied Geography	
GES 695	Internship *	
GES 697	Capstone in Sustainability and Environment *	
GES 699	Thesis *	
Total Credit Hours		12

* Up to 3-6 credits in GES 695, GES 697, or GES 699 may be chosen in consultation with the advisor and when the project is relevant to digital earth technologies.