

GIScience & Technology

Two-year plan – Fall 2020 to Spring 2022

COURSE	UNDERGRADUATE	GRADUATE	DELIVERY	FALL 2020	SPRING 2021	FALL 2021	SPRING 2022
Geospatial Applications and Information Science*	GEOS/ANTH 3543	GEOS 5543	Online	Limp	Limp	Aly	Young
Foundations of Geospatial Data Analysis*	GEOS 3013	GEOS 5043		Cothren	Cothren	Cothren	Cothren
Geospatial Technologies Computational Toolkit*	GEOS 3103	GEOS 5073		Tullis	Huang	Tullis	Tullis
Spatial Analysis Using ArcGIS*	GEOS 3553	GEOS 5553		Limp	Limp	Aly	Aly
Geospatial Data Mining*	GEOS 3563	GEOS 5083		Cothren	Cothren	Cothren	Cothren
Introduction to Geodatabases*	GEOS 3593	GEOS 5593		Limp	Limp		Huang
Digital Earth	GEOS 2813/2813H		Campus			Huang	
Principles and Techniques in Data Science	DASC 2113					Cothren	
Introduction to Cartography	GEOS 3023			Paradise		Paradise	
GIS for Environmental Science	ENSC 3603				Skinner		
Radar Remote Sensing	GEOS 4133	GEOS 5133					Aly
Geospatial Data Science – Sources and Characteristics	GEOS 4263			New beginning Fall 2022 (Huang)			
Internship in GIS & Cartography	GEOS 440V	GEOS 550V		Available by request			
Principles of Remote Sensing	GEOS 3213	GEOS 5213		Tullis		Tullis	
Advanced Cartographic Techniques and Production	GEOS 4503	GEOS 5573			Paradise		Paradise
Introduction to Raster GIS	GEOS/ANTH 4553	GEOS 5453/ANTH 5553				Vining	
Introduction to Global Positioning Systems and Global Navigation Satellite Systems	GEOS 4593	GEOS 5293		Limp	Offer again in Fall 2022		
Geospatial Unmanned Aircraft Systems	GEOS 4793/4793H	GEOS 5793				Tullis	
Operations Management of Unmanned Aircraft Systems		OMGT 5903			Ham		Ham
Enterprise and Multiuser GIS	GEOS 4583	GEOS 5583					Tullis
GIS Analysis and Modeling	GEOS 4653	GEOS 5653/ ENDY 5043			Aly		
Quantitative Techniques in Geosciences/Quantitative Anthropology	GEOS/ANTH 4863	GEOS/ANTH 5863		Offer again TBD			
Remote Sensing of Natural Resources		GEOS 5423					
Seminar in GIScience		GEOS 5973		Tullis		Huang	

The **Geography Division of Geosciences** and **collaborating faculty** are pleased to offer campus and online courses in **geographic information science (GIScience, GIS, or geospatial science)** and **technology**.

Campus geospatial courses are typically offered in one of the **Center for Advanced Spatial Technologies (CAST)** laboratories in the JB Hunt Center for Academic Excellence. The **online Global Campus*** courses support a **Minor in Geography**, an undergraduate **Certificate of Proficiency in Geospatial Technologies**, and a **Graduate Certificate in Geospatial Technologies** (see <https://online.uark.edu>). For questions about these courses, the online minor or certificates, or various degree options that emphasize geospatial studies (e.g., Geography, Earth Science, Geosciences, Environmental Dynamics, Anthropology, Space and Planetary Sciences, etc.), please talk with a member of the **GIScience & Technology Group** at University of Arkansas:

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