

Certificate in Unmanned Aerial Systems and Image Analysis

Core Requirements 9 hours

GEO 225	Introduction to Maps and Remote Sensing OR ESS 435 Remote Sensing	(3 hours)
GEO 324	Introduction to GIS	(3 hours)
GEO 307	Fundamentals of Unmanned Aerial Systems and Image Analysis	(3 hours)

Electives 3 hours

Select an elective course from the following list (or others by advisement):

BIO 471	Wetlands	(3 hours)
BIO 476	Freshwater Ecology	(3 hours)
CRJ 215	GIS for Criminal Justice Careers OR GIS 215 Criminal Justice Careers	(3 hours)
ESS 323	Gen'l Geol Field Studies of SE Pennsylvania	(3 hours)
ESS 435	Remote Sensing	(3 hours)
ESS 442	Geophysics	(3 hours)
ESS 490	Fundamentals of Soils	(3 hours)
ENV 435	Climate Change & Public Health	(3 hours)
ENV 445	Risk Assessment	(3 hours)
ENV 447	Environmental Regulations	(3 hours)
GEO 338	Environmental Application of GIS	(3 hours)
GEO 424	Geographic Information Systems Applications	(3 hours)
MKT 351	Campaign and Event Marketing	(3 hours)
MKT 370	Marketing Technology	(3 hours)
PLN 214	Introduction to Planning	(3 hours)
PLN 336	Environmental Planning	(3 hours)

TOTAL CREDITS 12 hours

(Revised: 11/4/2023)