

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)