

DRONE TECHNOLOGY AND APPLICATIONS (CERTIFICATE)

Social Science

Program website (<https://www.harpercollege.edu/academics/social-science/geography/drone-technology-certificate.php>)

Program Overview

This 16 credit-hour certificate program provides students with the skills and knowledge necessary to effectively use drones (Small Uncrewed Aerial Systems, sUAS) in variety of business and public sector domains working as pilots, drone image specialists, or remote sensing technicians. Drone technology is used in diverse fields including agriculture, ecological monitoring, cinematography, environmental management, insurance, mapping and surveying, military operations, mining, photography, public safety, real estate, search and rescue, and structural inspections.

Program Requirements

Code	Title	Hours
Required		
ART 250	Introduction to Photographic Art	3
ART 251	Intermediate Photographic Art	3
or GIS 100	Introduction to Geospatial Technologies	
DRO 100	Drone Pilot Ground School	1
DRO 101	Mastering Drone Flight: Essential Skills and Techniques	3
DRO 102	Drone Data Acquisition and Analysis	3
Electives		
Select three credit hours from the following courses:		3
GIS 200	Introduction to Remote Sensing	
MCM 210	Video Editing and Video Post-Production	
MCM 212	Multi-Camera Production	
Total Hours		16