

HARPER COLLEGE
GEOGRAPHY DEPARTMENT
Pathways through the Drone Certificate

Drone Technology and Applications Certificate Classes and Prerequisites

	Course Name	Credit Hours	Prerequisites
Required			
GEG 160	Drone Pilot Ground School	1	None
GEG 161	Introduction to Small Unmanned Aerial Systems (sUAS)	3	"C" or better in GEG 160 or FAA Part 107 License (this will be dropped)
GEG 162	sUAS Data Acquisition and Analysis	3	"C" or better in GEG 161
ART 250	Fine Art Photography	3	None
Required	Pick one of the two required courses below		
GEG 150	Introduction to Geospatial Technologies	3	None
ART 251	Intermediate Photographic Art	3	None
Electives	(Pick one)		
GEG 250	Introduction to Remote Sensing	3	"C" or better in GEG 150
MCM 210	Video Editing and Video Post-Production	3	None
MCM 212	Multi-Camera Production	3	None

Advice for picking between GEG 150 and ART 251:

- If your interests require skills in mapping, data analysis, remote sensing, or GIS (Geographic information Systems) take GEG 150
- If your interests require skills in photography, video editing and related software skills take ART 251

Advice for picking electives:

- If your interests require skills in mapping, remote sensing, or GIS (Geographic information Systems) take GEG 250
- If your interests require skills in video editing and related software skills take MCM 210. If your interests require skills in video production skills and the use of related software take MCM 212

Drone Technology and Applications Certificate Classes – Modalities Summary

	Course Name	Modality	Day of Week/Time ¹
Required			
GEG 160	Drone Pilot Ground School	Online	

¹ Confirm meeting dates/time with the Program Coordinator because the actual dates/times might differ from what you see in this table.

GEG 161	Introduction to Small Unmanned Aerial Systems (sUAS)	Blended or Hybrid. Combination of in-person and online instruction	Saturday mornings. 8am to 10am
GEG 162	sUAS Data Acquisition and Analysis	Blended or Hybrid. Combination of in-person and online instruction	Saturday mornings. 8am to 10am
GEG 150	Introduction to Geospatial Technologies	Online	
ART 250	Fine Art Photography	Online, Blended, In-Person	In-person classes. Monday/Wednesday 12:30-3:10pm (may vary)
ART 251	Intermediate Photographic Art	Online, Blended, In-Person	In-person classes. To be announced (TBA)
Electives			
GEG 250	Introduction to Remote Sensing	Online	
MCM 210	Video Editing and Video Post-Production	In-person	Monday/Wednesday 6:00-8:15pm (may vary)
MCM 212	Multi-Camera Production	In-person	Monday/Wednesday 6:00-8:15pm (may vary)

1. Fall 2023 Start (Option 1):

- Fall 2023 (Take two classes):
 - GEG 160: Drone Pilot Ground School. Online. 8-weeks.
 - ART 250: Fine Art Photography. Blended. 16-weeks. Also offered 8-weeks online starting on October 16th
- Spring 2024 (Take one to three classes):
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks. (If you do not plan on taking ART 251)
 - GEG 161: Introduction to Small Unmanned Aerial Systems. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - ART 251: Intermediate Photographic Art. (Schedule TBA) (If you elected not to take GEG 150)
 - Elective (Optional)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - MCM 212: Multi-Camera Production. Face-to-face. Weekday class.
- Fall 2024 (Take one or two classes):
 - GEG 162: sUAS Data Acquisition and Analysis. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - Elective (Optional. Depends on whether you have taken an elective)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks

2. Fall 2023 Start (Option 2):

- Fall 2023 (Take two classes):
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks. (If you do not plan on taking ART 251)
 - ART 250: Fine Art Photography. Blended. 16-weeks. Also offered 8-weeks online starting on October 16th
- Spring 2024 (Take one to three classes):
 - GEG 160: Drone Pilot Ground School. Online. 8-weeks.
 - GEG 161: Introduction to Small Unmanned Aerial Systems. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - ART 251: Intermediate Photographic Art. (Schedule TBA) (If you elected not to take GEG 150)
 - Elective (Optional)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - MCM 212: Multi-Camera Production. Face-to-face. Weekday class.
- Fall 2024 (Take one or two classes):
 - GEG 162: sUAS Data Acquisition and Analysis. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - Elective (Optional. Depends on whether you have taken an elective)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks

3. Spring 2024 Start:

- Spring 2024 (Take three classes):
 - Pick one:
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks. (If you do not plan on taking ART 251)
 - ART 250: Fine Art Photography. Blended. 16-weeks. Also offered 8-weeks online. Check with the Art Department.
 - GEG 160: Drone Pilot Ground School. Online. 8-weeks (Mid-January to mid-March)
 - GEG 161: Introduction to Small Unmanned Aerial Systems. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks. (Mid-March to mid-May)
- Fall 2024 (Take one or two classes):
 - GEG 162: sUAS Data Acquisition and Analysis. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - Elective (Optional. Depends on whether you have taken an elective)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks (GEG 150 is a prerequisite)
- Spring 2025 (Take one class):
 - ART 251: Intermediate Photographic Art. (Schedule TBA) (If you elected not to take GEG 150 in Spring 2024)

3. Summer 2024 Start:

- Summer 2024 (Take one class):
 - ART 250: Fine Art Photography
- Fall 2024 (Take one or two classes):
 - Take one:
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks.
 - ART 251: Intermediate Photographic Art. (Schedule TBA)
 - GEG 160: Drone Pilot Ground School. Online. 8-weeks. (Optional. You can take this in Spring 2025)
- Spring 2025 (Take one or two classes):
 - GEG 160: Drone Pilot Ground School. Online. 8-weeks. (If you did not take this in Fall 2024)
 - GEG 161: Introduction to Small Unmanned Aerial Systems. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - Elective (Optional)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - MCM 212: Multi-Camera Production. Face-to-face. Weekday class.
- Fall 2025 (Take one or two classes):
 - GEG 162: sUAS Data Acquisition and Analysis. Blended. Some Saturday morning classes at Harper and nearby sites. 8-weeks.
 - Elective (Optional. Depends on whether you have taken an elective)
 - MCM 210: Video Editing and Video Post-Production. Face-to-face. Weekday class.
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks

Note:

- Classes might be rescheduled to a subsequent semester due to low enrollment
- Confirm the schedule for MCM 210 and MCM 212 prior to enrolling. Register as early as possible for MCM 210 which is a very popular course
- Some students who only wish to study for the FAA Remote Pilot Certificate and to learn the fundamentals of flying drones elect to only take GEG 160 and GEG 161 without completing the certificate