

HARPER COLLEGE
GEOGRAPHY DEPARTMENT
Pathways through the GIS Certificate

GIS Certificate Classes and Prerequisites

	Course Name	Credit Hours	Prerequisites	Modality
Required				
GEG 150	Introduction to Geospatial Technologies	3	None	Online
GEG 151	Geospatial Data Acquisition and Management	3	"C" or better in GEG 150	
GEG 152	Spatial Analysis	3	"C" or better in GEG 151	
GEG 153	Applied Geospatial Technologies	3	"C" or better in GEG 152	
GEG 250	Introduction to Remote Sensing	3	"C" or better in GEG 150	
Electives	(Pick one)			
CIS 106	Computer Logic and Programming Technology	3	None	Online
GEG 100	Cultural Geography	3	None	Online, Blended
GEG 101	World Regional Geography	3	None	Online, Blended
GEG 103	Geography of the Developing World	3	None	Online
GEG 111	Physical Geography	3	None	Online, Blended, In-Person
GEG 155	GIS Internship	3	None	Online

1. Spring 2023 Start – Pathway I:

- Spring 2023 (Take one or two classes):
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks.
 - Any elective (the elective could be taken in Summer 2023)
- Fall 2023 (Take one class):
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks
- Spring 2024 (Take two class. These follow each other):
 - GEG 151: Geospatial Data Acquisition and Management. Online. 8-weeks.
 - GEG 152: Spatial Analysis. Online. 8-weeks.
- Summer 2024 (Take one class):
 - GEG 153: Applied Geospatial Technologies. Online. 8-weeks.

2. Summer 2023 Start – Pathway II:

- Summer 2023 (Take one class - optional):
 - Any elective
- Fall 2023 (Take one or two classes):
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks.
 - Any elective (if the elective was not taken during the summer)
- Spring 2024 (Take two class. These follow each other):
 - GEG 151: Geospatial Data Acquisition and Management. Online. 8-weeks.
 - GEG 152: Spatial Analysis. Online. 8-weeks.
- Summer 2024 (Take one class):
 - GEG 153: Applied Geospatial Technologies. Online. 8-weeks.
- Fall 2024 (Take one class):
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks

3. Fall 2023 Start – Pathway III:

- Fall 2023 (Take two classes):
 - GEG 150: Introduction to Geospatial Technologies. Online. 16-weeks.
 - Any elective
- Spring 2024 (Take two class. These follow each other):
 - GEG 151: Geospatial Data Acquisition and Management. Online. 8-weeks.
 - GEG 152: Spatial Analysis. Online. 8-weeks.
- Summer 2024 (Take one class):
 - GEG 153: Applied Geospatial Technologies. Online. 8-weeks.
- Fall 2024 (Take one class):
 - GEG 250: Introduction to Remote Sensing. Online. 12-weeks

Note:

- Classes might be rescheduled to a subsequent semester due to low enrollment.
- There is flexibility with taking the electives because most are offered more than once a year.