



Geoinformatics

Year One					
Fall Semester			Spring Semester		
EN	1103	English Composition I	EN	1113	English Composition II
MA	1713	Calculus I	MA	1723	Calculus II
CSE	1284	Intro to Programming	CSE	1384	Intermediate Programming
DSCI	2013	Data Science Literacy	DSCI	2012	Data Wrangling Lab
		GR 1603 or GG 1113 lab based science			Lab Based Science

Year Two					
Fall Semester			Spring Semester		
MA	2733	Calculus III	MA	3123	Statistical Inference
CSE	2813	Discrete Structures	CSE	2383	Data Structures & Analysis of Algorithms
DSCI	3013	Data Acquisition	DSCI	4013	Data Visualization
BIS	3233	Management Information Systems	PHI	1113	Intro to Logic
		Humanities			Fine Art

Year Three					
Fall Semester			Spring Semester		
MA	3113	Intro to Linear Algebra	MA	4523	Intro to Probability
CSE	4633	Artificial Intelligence	CSE	4503	Database Management Systems
DSCI	3022	Data Visualization Lab	DSCI	3012	Description, Analysis & Inference Lab
		Public Speaking Course			Written Communication Course
		Social/Behavioral Science	GR	4633	Statistical Climatology
GR	4303	Principles of GIS			Choice of Meteorology/Remote Sen Course

Year Four					
Fall Semester			Spring Semester		
CSE	3763	Legal & Ethical Issues in Computing	DSCI	2022	Cloud, Quantum & High Perf Computing Lab
DSCI	3032	Artificial Intelligence Lab			3 of 5 Concentration Courses
		1 of 5 Concentration Courses			4 of 5 Concentration Courses
		2 of 5 Concentration Courses			5 of 5 Concentration Courses
DSCI	4553	Senior Capstone One	DSCI	4663	Senior Capstone Two

Meteorology or Remote Sensing (Choose 1)GR 4333 Remote Sensing of the Physical Environment²

GR 4783 Satellite Meteorology

GR 4883 Radar Meteorology

Concentration Course List (Choose 5)

GR 4733 Synoptic Meteorology

GR 4643 Physical Meteorology and Climatology I

GR 4693 Physical Meteorology and Climatology II

GR 4613 Applied Climatology

GR 4783 Satellite Meteorology¹GR 4883 Radar Meteorology¹

GR 4553 Computer Methods in Meteorology

GR 4313 Advanced GIS²GR 4323 Cartographic Sciences²GR 4333 Remote Sensing of the Phys Environment^{1,2}GR 4343 Advanced Remote Sensing²GR 4363 GIS Programming²

GR 4123 Urban Geography

GG 3613 Water Resources

GG 4233 Applied Geophysics

GG 4414 Structural Geology

GG 4503 Geomorphology

GG 4523 Coastal Environments

GG 4543 Community Engagement in Geosciences

GG 4613 Physical Hydrogeology

¹ Can be used as remaining hours if not already used for the required concentration.² Counts towards the Geospatial and Remote Sensing Minor