

GGE Graduate Course Sequences

Disclaimer: Course sequences provided are recommendations from the department. So long as M.Eng program requirements are met, students are free to deviate from the sequences or choose any courses they wish (See graduate student handbook for more information on M.Eng program requirements).

It is suggested that students wishing to substitute GGE6921 (Directed Research) for another 6000 level course do so during the Summer term (at the discretion of the supervisor).

GIS, RS & Computer Vision			
Fall	GGE 3342	**Remote Sensing	5
	GGE 6900	Research Methods and Communication Skills	3
	GGE 3042	**Intro to GNSS	5
Winter	GGE 4313	**Photogrammetry	5
	GGE 4423	**Advanced GIS	5
	GGE 6322	Imaging Processing and Computer Vision	3
Summer			0
Fall	GGE 6410	3D Geographical Information Systems	3
	GGE 6404	Online Spatial Data Handling	3
	GGE 6341	Machine Learning and AI in Geomatics	3
		total 6000-level courses	15
		total credits	30
** students can take 3 out of 4 courses marked			
Spatial Data Science			
Fall	GGE 3342	Remote Sensing	5
	GGE 6900	Research Methods and Communication Skills	3
	GGE 3423	Intro to GIS	4
Winter	GGE 6505	Intro to Big Data and Data Science	3
	GGE 4423	Advanced GIS	5
	GGE 6322	Imaging Processing and Computer Vision	3
Summer			0
Fall	GGE 6410	3D Geographical Information Systems	3
	GGE 6404	Online Spatial Data Handling	3
	GGE 6341	Machine Learning and AI in Geomatics	3
		total 6000-level courses	15
		total credits	32
Geodesy, Positioning and Navigation			
Fall	GGE 3042	Intro to GNSS	5
	GGE 6042	Kinematic Positioning	3
	GGE 6900	Research Methods and Communication Skills	3
	GGE 3122	Advanced Adjustment Calculus	4
Winter	GGE 4211	Geodesy 2	4
	GGE 6102	Quantitative Analysis	3
	GGE 6212	Geodynamics	3
Summer			0
Fall	GGE 5022	Precision Surveying	4
	GGE 6242	Extraterrestrial Positioning	3
		total 6000-level courses	15
		total credits	32
Hydrospatial Engineering			
Fall	GGE 3342	*Remote Sensing	5
	GGE 6301	Intro to Ocean Mapping	3
	GGE 6302	Oceanography, Tides & Water Lv	3
Winter	GGE 4313	*Photogrammetry	5
	GGE 6311	Advanced Topics in Ocean Mapping	3
	GGE 6303	Marine Geology and Geophysics	3
	GGE 4423	Advanced GIS	5
	GGE 5083	Hydrographic Field Operations	4
Summer			0
Fall	GGE 6042	Kinematic Positioning	3
	GGE 6341	Machine Learning and AI in Geomatics	3
		total 6000-level courses	18
		total credits	32
* students can take either of the courses marked			