

GGE Masters Remote Sensing/GIS Stream Sept 2011

Requirements:

Course Based MEng: 30 credit hours of courses with at least 12 credit hours at the 6000 level

MScE (Research): 12 ch of courses at the 6000 level; Masters Thesis; 2 Graduate seminars

ON-LINE COURSES AVAILABLE ANY TERM

Recommended Options

FOR 6281 GIS (Jordan)	3 ch On-Line
FOR 6282 Spatial Analyst Extension in ARCGIS(Jordan)	3 ch On-Line
Prerequisite FOR 6281	

Fall Term 1

Recommended:

GGE 3342 Imaging and Mapping I-Remote Sensing(Zhang)	3 ch
GGE 6341 Advanced Technologies in Remote Sensing (with consultation with Dr. Zhang)	3 ch
TME 3313 Managing Engineering and IT Projects	3 ch
Or CE 5623 Project Management	3 ch
GGE 6501 Land Information Management (Coleman/Nichols)	3 ch

Suggested Options: (6 cr hr)

English as a Second Language	no credit
Comp Sci 2023- C/C++	no credit
Math 1503 Linear Algebra	no credit
Stat 2593 Stats for Engineers	no credit
Stat 2044 Elementary Stat Techniques (On-Line)	no credit
Comp Sci 3513 – DataBase Management 1	3 ch
GGE 2413 Mapping Concepts (TBA)	no credit
GGE 3353 Imaging and Mapping II (Hughes Clarke)	3 ch
GGE 5813 Urban Planning (Secord)	3 ch*
GGE 6102 Quantitative Analysis in Geomatics (Santos)	3 ch
TME Technology Management and Entrepreneurship Courses	3 ch

Winter Term 2

Recommended:

GGE 4403/GGE 6403 GIS	3 ch
GGE 5332 Special Studies in Photogrammetry (Coleman)	3 ch
GGE 6322 Digital Image Processing (Zhang)	3 ch
GGE 5901 Special Study in Geomatics I (Directed Studies)	1 ch
GGE 5902 Special Study in Geomatics II (Directed Studies)	2 ch
GGE 5903 Special Study in Geomatics III (Directed Studies)	3 ch
GGE 6922 Directed Studies in Geomatics	3 ch

For Thesis Students: GGE 6910 Graduate Seminar (proposal) P/F

** See Instructor re prerequisites*

Suggested Options (3-6 ch)

GGE 5532 Land Economy and Administration (Nichols)	3 ch
GGE 6922 Research (Directed Studies)*	3 ch
TME Technology Management and Entrepreneurship Courses	3 ch

*For Thesis (MScE) students, Directed Studies cannot be offered by your supervisor or be on your thesis topic

Summer or Fall Term 3

Recommended:

FOR 6281 GIS (Jordan – on-line course)	3 ch On-Line
GGE 6922 Research (Directed Studies)*	3 ch

For Thesis (MScE) Students: GGE 6910 Second Graduate Seminar

*For Thesis (MScE) Directed Studies cannot be offered by your supervisor or be on your research topic

Suggested Options only for students focused on RS applications:

FOR 6302 Adv.Optical,thermal Infra.& R. (Leblon)	3 ch On-Line
FOR 6304 Adv.Stud. Radar Polarimetry & RADARSAT-2 Images (Leblon)	3 ch
FOR*6313 Adv.Digital Image Proc.In Remote Sensing (Leblon)	3 ch On-Line