

Undergraduate Program Name: BS in Geospatial Sciences (BSGSS) (Information

Systems (IS) Concentration)

Graduate Program Name: MS in Information Technology (MSIT)

Course Pairs:

Double Owl Scholars will NOT take the	In their place, Double Owl Scholars will take
following BSGSS-IS courses:	the following MSIT courses:
IS 3100 Information Systems Management	IT 6413: IT Service Delivery
IS 3220 Global IS Project Management	IT 6423: IT System Acquisition & Integration
ISA 3100 Principles of Information Security	IT 6823: Information Security Concepts and
_	Administration

Note: Students who are in the double owl program are strongly recommended to take the following courses as their free electives. With those courses, a student will earn an IT minor and all foundation courses will be waived when getting admitted to the MSIT program.

• CSE 3153: Database Systems

• IT 1113: Programming Principles

• IT 3123: Hardware and Software Concepts

• IT 4323: Data Communications & Networking

MSIT Capstone Option

Year 1 - Fall	Credits	Year 1 - Spring	Credits
ENGL 1101 ** Composition I	3	ENGL 1102** Composition II	3
ECON 1000 Contemporary Economics Issues	2	HIST 1100, 1111, or 1112 World History	3
MATH 1101, 1111,1113,1190, or STAT 1401 [consult Catalog for pre-reqs]	3	STAT 1401, MATH 1113, MATH 1160, MATH 1190, or MATH 2202 [consult Catalog for pre-reqs]	3
GEOG 1112* or GEOG 1113**	4	SCI 1101, GEOG 1112, GEOG 1113, BIO 1107+L	4
GEOG 1110** The Digital Earth	3	GEOG 1101** or GEOG 1125 ** or GEOG 1130**	3
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	16
Year 2 - Fall	Credits	Year 2 - Spring	Credits
POLS 1101 American Government	3	HIST 2111 or HIST 2112 United States History	3
ANTH 1102, CRJU 1101, ECON 2100, GEOG 1101, PSYC 1101, SOCI 1101, or STS 1101	3	AADS 1102, AMST 1102, ASIA 1102, COM 1100, FL 1002, GWST 1102, LALS 1102, LDRS 2300, PAX 1102, PHIL 2200, PLOS 2401, or RELS 1102	3
SCI 1102, GEOG 1112, GEOG 1113, BIO 1108	3-4	ENGL 2110, 2111, 2112, 2120, 2121, 2122, 2130, 2131, 2132, or 2300 [ENGL 1102], PHIL 2010	3
GEOG 3305** Intro to Cartographic Processes	3	GEOG 4405** Advanced Geographic Information Systems	3
GEOG 3315** Intro to Geographic Information Systems	3	IS 2200**	3
TOTAL SEMESTER CREDITS	15-16	TOTAL SEMESTER CREDITS	15
Apply to BSGSS IS – MSIT Double Owl Program and Start Graduate Work			
Year 3 - Fall	Credits	Year 3 - Spring	Credits
Area F elective **	3	Area F elective **	3

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GEOG 2391** Professionalism and Ethics	2	ART 1107, DANC 1107, MUSI 1107, or TPS 1107	3
SURV 3320** Drone Analysis and Photogrammetry	3	GEOG 4410** Introduction to Remote Sensing	3
Free Elective (1st of 5)	3	IT 6423 IT System Acquisition and Integration	3
IS 3260 Web Development I (concentration course 1 of 4)	3	Free Elective (2nd of 5)	6
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	15
	Apply to M	SIT Program	
Year 4 - Fall	Credits	Year 4 - Spring	Credits
Group A Course** (1st of 2)	3	GIS 3398** Internship	6
Group A Course** (2nd of 2)	3	Group B Course**	3
IT 6413: IT Service Delivery	3	IT 6823 Information Security Concepts & Administration	3
Free Elective (3rd of 5)	3	Free Elective (5 th of 5)	3
Free Elective (4th of 5)	3		
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
	MSIT Grad	luate Courses	
Year 5 - Fall	Credits	Year 5 - Spring	Credits
IT 6203:IT Design Studio	3	IT 7993:IT Capstone	3
IT 7XXX Elective 1	3	IT 7XXX Elective 4	3
IT 7XXX Elective 2	3	IT 7XXX Elective 5	3
IT 7XXX Elective 3	3		
TOTAL SEMESTER CREDITS	12	TOTAL SEMESTER CREDITS	9
Year 6 - Fall	Credits	Year 6 - Spring	Credits
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TOTAL CEMESTED CREDITS	0	TOTAL CEMECTED CDEDUTE	
TOTAL SEMESTER CREDITS	0	TOTAL SEMESTER CREDITS	0

PATHWAY TOTAL: 141- 142 credit hours.

UNGR TOTAL (120 – 121 credit hours) + GRAD TOTAL (30 credit hours) – PAIRED CREDIT (9 credit hours) Graduate program has two options:

Capstone option: IT 7993 Capstone and 15 credit hours from Elective Course List

MSIT Thesis Option

Year 1 - Fall	Credits	Year 1 - Spring	Credits
ENGL 1101 ** Composition I	3	ENGL 1102** Composition II	3
ECON 1000 Contemporary Economics Issues	2	HIST 1100, 1111, or 1112 World History	3
MATH 1101, 1111,1113,1190, or STAT 1401 [consult Catalog for pre-reqs]	3	STAT 1401, MATH 1113, MATH 1160, MATH 1190, or MATH 2202 [consult Catalog for pre-reqs]	3
GEOG 1112* or GEOG 1113**	4	SCI 1101, GEOG 1112, GEOG 1113, BIO 1107+L	4
GEOG 1110** The Digital Earth	3	GEOG 1101** or GEOG 1125 ** or GEOG 1130**	3
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	16
Year 2 - Fall	Credits	Year 2 - Spring	Credits
POLS 1101 American Government	3	HIST 2111 or HIST 2112 United States History	3
ANTH 1102, CRJU 1101, ECON 2100, GEOG 1101, PSYC 1101, SOCI 1101, or STS 1101	3	AADS 1102, AMST 1102, ASIA 1102, COM 1100, FL 1002, GWST 1102, LALS 1102, LDRS 2300, PAX 1102, PHIL 2200, PLOS 2401, or RELS 1102	3
SCI 1102, GEOG 1112, GEOG 1113, BIO 1108	3-4	ENGL 2110, 2111, 2112, 2120, 2121, 2122, 2130, 2131, 2132, or 2300 [ENGL 1102], PHIL 2010	3
GEOG 3305** Intro to Cartographic Processes	3	GEOG 4405** Advanced Geographic Information Systems	3
GEOG 3315** Intro to Geographic Information Systems	3	IS 2200**	3
TOTAL SEMESTER CREDITS	15-16	TOTAL SEMESTER CREDITS	15
Apply to BSGSS IS – MS	IT Dauble C	And Dunganam and Chart Condenses World	
		Owl Program and Start Graduate Work	Cradita
Year 3 - Fall	Credits	Year 3 - Spring	Credits
			Credits 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics	Credits	Year 3 - Spring	
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and	Credits 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS	3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics	Credits 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107	3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry	3 2 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing	3 3 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration	3 2 3 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration	3 3 3 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4)	2 3 3 3 14	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5)	3 3 3 6
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall	2 3 3 3 14	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring	3 3 3 6
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2)	2 3 3 3 14 Apply to M Credits 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship	3 3 3 6 15 Credits 6
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall	2 3 3 3 14 Apply to M Credits	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course**	3 3 3 6 15 Credits
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2) IT 6413: IT Service Delivery	2 3 3 3 14 Apply to M Credits 3 3 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts & Administration	3 3 3 6 15 Credits 6 3 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2)	2 3 3 3 14 Apply to M Credits 3 3 3 3 3 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts &	3 3 3 6 15 Credits 6 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2) IT 6413: IT Service Delivery	2 3 3 3 14 Apply to M Credits 3 3 3	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts & Administration	3 3 3 6 15 Credits 6 3 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2) IT 6413: IT Service Delivery Free Elective (3rd of 5)	Credits 3 3 3 3 3 3 15	Year 3 - Spring Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts & Administration Free Elective (5th of 5) TOTAL SEMESTER CREDITS	3 3 3 6 15 Credits 6 3 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2) IT 6413: IT Service Delivery Free Elective (3rd of 5) Free Elective (4th of 5) TOTAL SEMESTER CREDITS	Credits 3 3 3 3 3 3 3 15 MSIT Grad	Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts & Administration Free Elective (5th of 5) TOTAL SEMESTER CREDITS	3 3 3 6 15 Credits 6 3 3 3
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2) IT 6413: IT Service Delivery Free Elective (3rd of 5) Free Elective (4th of 5) TOTAL SEMESTER CREDITS	Credits 3 2 3 3 4 4 Apply to M Credits 3 3 3 3 3 3 15 MSIT Grad Credits Credits	Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts & Administration Free Elective (5th of 5) TOTAL SEMESTER CREDITS	3 3 3 6 15 Credits 6 3 3 15 Credits
Year 3 - Fall Area F elective ** GEOG 2391** Professionalism and Ethics SURV 3320** Drone Analysis and Photogrammetry Free Elective (1st of 5) IS 3260 Web Development I (concentration course 1 of 4) TOTAL SEMESTER CREDITS Year 4 - Fall Group A Course** (1st of 2) Group A Course** (2nd of 2) IT 6413: IT Service Delivery Free Elective (3rd of 5) Free Elective (4th of 5) TOTAL SEMESTER CREDITS	Credits 3 3 3 3 3 3 3 15 MSIT Grad	Area F elective ** ART 1107, DANC 1107, MUSI 1107, or TPS 1107 GEOG 4410** Introduction to Remote Sensing IT 6423 IT System Acquisition and Integration Free Elective (2nd of 5) TOTAL SEMESTER CREDITS SIT Program Year 4 - Spring GIS 3398** Internship Group B Course** IT 6823 Information Security Concepts & Administration Free Elective (5th of 5) TOTAL SEMESTER CREDITS	3 3 3 6 15 Credits 6 3 3 3

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IT 7XXX Elective 2	3	IT 7XXX Elective 4	3
IT 7999 Thesis	3		
TOTAL SEMESTER CREDITS	12	TOTAL SEMESTER CREDITS	9
Year 6 - Fall	Credits	Year 6 - Spring	Credits
TOTAL SEMESTER CREDITS	0	TOTAL SEMESTER CREDITS	0

PATHWAY TOTAL: 141- 142 credit hours.

UNGR TOTAL (120 – 121 credit hours) + GRAD TOTAL (30 credit hours) – PAIRED CREDIT (9 credit hours) Graduate program has two options:

Thesis option: IT 7999 thesis (6 credit hours) and 12 credit hours from Elective Course List