

**Bachelor of Science in Land Surveying and Geomatics
2023-2024**

Freshman Year

Fall Semester	Hrs	Spring Semester	Hrs
CS 1013, Introduction to Computers	3	ENG 1013, Composition II	3
ENG 1003, Composition I	3	MATH 1033, Plane Trigonometry	3
MATH 1023, College Algebra	3	BIO or BIOL, Life Science Elective(s)	4
UC 1013, Making Connections	3	Social Science Elective	3
Humanities Elective	3	HIST 2763, HIST 2773, or POSC 2103	3
	15		16

Sophomore Year

Fall Semester	Hrs	Spring Semester	Hrs
CE 2223, Plane Surveying	3	AGST 3503, Geospatial Data Applications	3
COMS 1203, Oral Communication	3	CE 2202, Civil Engineering Presentations	2
PHYS 2054, General Physics I	4	ENG 3043, Technical Writing	3
Social Science Elective	3	MGMT 3123, Principles of Management	3
Elective	3	Fine Arts Elective	3
	16		14

Junior Year

Fall Semester	Hrs	Spring Semester	Hrs
AGST 3543, Fundamentals of GIS/GPS	3	AGST 4773, Remote Sensing	3
REI 3413, Real Estate Practice	3	REI 4413, Real Estate Law	3
SUR 3003, Route and Construction Surveying	3	SUR 3013, Survey Plats and Deeds	3
SUR 3023, Photogrammetry	3	SUR 4003, Boundary Control and Legal Principles	3
TECH 3413, AutoCAD Inventor	3	TECH 3433, AutoCAD 3D Modeling	3
	15		15

Senior Year

Fall Semester	Hrs	Spring Semester	Hrs
AGST 4511, Unmanned Aircraft Systems	1	MGMT 3183, Entrepreneurship	3
AGST 4543, Understanding Geographic Information Systems	3	SUR 4013, Law and Professionalism in Surveying	3
SUR 4023, Advanced Surveying	3	SUR 4033, Surveying Practicum	3
TECH 3773, Statistics	3	Electives	4
TECH 3863, Industrial Safety	3		
Elective	3		
	16		13

Total: 120

**61 Total Jr/Sr Hours
2023-24**

General Education Curriculum for Land Surveying and Geomatics Baccalaureate Degrees		Sem. Hours
Communication	ENG 1003, Composition I ENG 1013, Composition II COMS 1203, Oral Communication	9
Mathematics	MATH 1023, College Algebra	3
Science	PHYS 2054, General Physics I Life Science – Four (4) hours required, complete listing of course options can be found on p. 84 of the 2021-22 Undergraduate Bulletin	8
Fine Arts and Humanities	Fine Arts. Select one of the following: Humanities. Select one of the following: ART 2503, Fine Arts – Visual ENG 2003, World Literature to 1660 MUS 2503, Fine Arts – Music ENG 2013, World Literature Since 1660 THEA 2503, Fine Arts – Theatre PHIL 1103, Introduction to Philosophy	6
Social Sciences	Complete listing of course options can be found on p. 84 of the 2021-22 Undergraduate Bulletin. One course must be selected from: HIST 2763, United States History to 1876 HIST 2773, United States History since 1876 POSC 2103, Introduction to United States Government	9
Other rules:	A course may be counted in satisfaction of only one area requirement. With the exception of English courses (ENG), no more than two selections may have the same prefix.	
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First Year Making Connections Course	UC 1013, Making Connections	3
		3

Support Courses (Grade of "C" or better required for all OR 2.5 (or greater) GPA required for Support Courses section)		
CE 2202, Civil Engineering Presentations		2
CS 1013, Introduction to Computers OR CIT 1503, Microcomputer Applications		3
ENG 3043, Technical Writing		3
MGMT 3123, Principles of Management		3
MGMT 3183, Entrepreneurship		3
REI 4413, Real Estate Law		3
TECH 3413, AutoCAD inventor		3
TECH 3433, AutoCAD 3D Modeling		3
TECH 3773, Statistics OR STAT 3233, Applied Statistics I		3
TECH 3863, Industrial Safety		3
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Major Requirements (Grade of "C" or better required for all Major Requirements)		
AGST 3503, Geospatial Data Applications		3
AGST 3543, Fundamentals of GIS/GPS		3
AGST 4511, Unmanned Aircraft Systems		1
AGST 4543, Understanding Geographic Information Systems		3
AGST 4773, Remote Sensing		3
CE 2223, Plane Surveying		3
MATH 1033, Plane Trigonometry		3
REI 3413, Real Estate Practice		3
SUR 3003, Route and Construction Surveying		3
SUR 3013, Survey Plats and Deeds		3
SUR 3023, Photogrammetry		3
SUR 4003, Boundary Control and Legal Principles		3
SUR 4013, Law and Professionalism in Surveying		3
SUR 4023, Advanced Surveying		3
SUR 4033, Surveying Practicum		3
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Electives	Electives	10
		10