

**Bachelor of Science in Land Surveying and Geomatics
2022-2023**

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
	<hr/> 15		<hr/> 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
	<hr/> 16		<hr/> 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
	<hr/> 15		<hr/> 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 Elective	3		
	<hr/> 16		<hr/> 13

Total: 120

**61 Total Jr/Sr Hours
2022-23**

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.	
		35

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
		29

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
		43

Electives	Electives	10
		10