Bachelor of Science in Land Surveying and Geomatics

2020-2021

# 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 3AGST 4773, Remote Sensing 3

REI 3413, Real Estate Practice 3 REI 4413, Real Estate Law 3

SUR 3003, Route and Construction SUR 3013, Survey Plats and Deeds 3

Surveying 3 SUR 4003, Boundary Control and Legal Principles 3

SUR 3023, Photogrammetry 3 TECH 3433, AutoCAD 3D Modeling 3

TECH 3413, AutoCAD Inventor 3

\_\_\_\_\_ \_\_\_\_\_

15 15

# Senior Year

**Fall Semester Hrs Spring Semester Hrs**

AGST 4511, Unmanned Aircraft Systems 1 MGMT 3183, Entrepreneurship 3 AGST 4543, Advanced GIS for Agricultural SUR 4013, Law and Professionalism in Surveying 3

and Natural Resources 3 SUR 4033, Surveying Practicum 3

SUR 4023, Advanced Surveying 3 Electives 4

TECH 3773, Statistics 3

TECH 3863, Industrial Safety 3

Elective 3

\_\_\_\_\_ \_\_\_\_

16 13

\_\_\_\_\_\_

**Total: 120**

**61 Total Jr/Sr Hours**

**2020-21**

**General Education Curriculum for Land Surveying and Geomatics Baccalaureate Degrees** Sem. Hours

Communication 9

ENG 1003, Composition I ENG 1013, Composition II COMS 1203, Oral Communication

Mathematics 3

MATH 1023, College Algebra

Science 8

PHYS 2054, General Physics I

Life Science – Four (4) hours required, complete listing of course options can be found on p. 77 of the 2020-21 Undergraduate Bulletin

Fine Arts and Humanities 6

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

Social Sciences 9

Complete listing of course options can be found on p. 77 of the 2020-21 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

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, Advanced GIS for Agriculture and Natural Resources 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