

Common Prerequisites

- **AA/General Education Courses**
- PHY 2053/L Physics I with lab
- PHY 2054/L Physics II with lab
- MAC 1114 Trigonometry
- MAC 2233 Survey of Calculus I
- COP#### Comp Prog.
- STA 2023 Intro to Statistics I
- SPC 2608 Public Speaking
- ECO 2013 Macroeconomics

Common Geomatics Core

- SUR 3103C Geomatics (intro) (3 cr)
- SUR 3323 Visualization of Spatial Info. (3 cr)
- SUR 3393C Geographic Information Sys. (3 cr)
- SUR 3641 Surveying Computations (3 cr)
- SUR 3331C Photogrammetry (3 cr)
- SUR 3520 Measurement Science (3 cr)
- SUR 4350 Advanced Photogrammetry (3 cr)
- SUR 4530 Geodesy & Geod. Positioning (3 cr)
- SUR 4380 Remote Sensing (3 cr)
- SUR 4501C Foundations of UAS Mapping (3 cr)
- SUR 4949 Co-op (2 cr)
- SUR 4911 Supervised Research (1 cr)
- SUR 4912 Senior Project (1 cr)

Writing course (choose 1)

- AEC 3033C Research & Bus. Writing (3 cr)
- ENC 3250 Prof. Comm. (3 cr)
- ENC 3254 Prof. Writing (3 cr)

Management course (choose 1)

- AEB 3133 Ag Business (3 cr)
- MAN 3025 Mgt. (4 cr)

Law course (choose 1)

- AEB 4123 Ag Law (3 cr)
- BUL 4310 Bus Law (4 cr)

Plant ID course (choose 1)

- FOR 3XXX Forest Communities (2 cr)
- ORH 3513/L Env. Plant ID & Lab (3 cr)

Natural Resources course (choose 1)

- AOM 4643 Environmental Hydrology (3 cr)
- FNR 4343 Forest Water Resources (3 cr)
- FNR 4660 Natural Res. Policy & Econ. (3 cr)
- GEO 3280 Princ. Geo. Hydrology (3 cr)
- SUR 4934 Marine Geomatics (3 cr)
- SWS 4244 Wetlands (3 cr)

Surveying & Mapping Specialization

- SUR 4201 Route Geometrics and Design (3 cr)
- SUR 4403 Cadastral Principles (3 cr)
- SUR 4430 Surveying & Mapping Practice (3 cr)
- SUR 4463 Subdivision Design (3 cr)

Geospatial Analysis Specialization

- GIS 4121 Geospatial Analysis (3 cr)

Geospatial application course (choose at least 1)

- AOM 4434 Precision Agriculture
- EES 4050 Environmental Planning & Design
- FNR 4461 Spatial Models & Decision Analysis
- GIS 3420C/ GEO 3930 GIS Models for Public Health
- GIS 4001C Maps & Graphs
- GIS 4037 Digital Image Processing
- GIS 4113 Introduction to Spatial Networks
- SUR 4376 Geospatial Applications of UAS
- SUR 4940C Practicum in UAS Mapping

Analysis course (choose at least 1)

- FNR 3410C Natural Resource Sampling
- GEO 3162C Intro. Quant. Analysis for Geographers
- QMB 3250 Statistics for Business Decisions
- STA 3024 Introduction to Statistics 2
- STA 3032 Engineering Statistics

Geomatics departmental courses (choose at least 1)

- SUR 4201 Route Geometrics and Design (3 cr)
- SUR 4403 Cadastral Principles (3 cr)
- SUR 4430 Surveying & Mapping Practice (3 cr)
- SUR 4463 Subdivision Design (3 cr)
- SUR 4934 Special Topics (3 cr)

Notes:

1. Unless a course is listed under an underlined subheading, all bulleted courses are required.