

**Technical Electives (3 credits each, select 18 credits)**

Any approved College of Engineering and Computer Science course 3000 level or above

Any course from the following list:

- GEO 4022 Quantitative Methods
- GEO 4167C Spatial Data Analysis
- GEO 4280C Water Resources
- GEO 4300 Biogeography
- GEO 4602 Urban Geography
- GIS 4048C Applications of GIS
- GIS 4102C Programming in GIS
- GIS 4138C Geovisualization and GIS
- GLY 3730 Coastal and Marine Science
- GLY 4750C Field Methods
- GLY 4822 Hydrogeology
- GLY 4830 Engineering Geology
- GLY 4832C Intro. to Hydro. Model. & Aquifer Test
- URP 4011 Planning Methods
- URP 4055 City Structure and Change
- URP 4120 Planning Implementation Strategies
- URP 4254 Introduction to Visual Planning Technology
- URP 4343 Plan Making and Design
- URP 4403 Sustainable Cities
- URP 4420 Environmental Planning Methods
- URP 4546 Urban Development Planning Methods
- URP 4730 Capital Facilities Planning
- URP 4870 Site Planning
- MAR 3023 Marketing Management
- FIN 3403 Principles of Financial Management
- ENT 4114 Advanced Business Planning
- ENT 4015 New Venture Launch
- MAN 4046 Leadership, Supervisory Skills, & Team Devel.
- EVR 3704 Environ. Issues in Atmospheric & Earth Science
- GEO 3342 Sea-Level Rise: Impacts and Responses
- GEO 4700 Transportation and Spatial Org.

**GIS Technology Core Option (12 credits):**

- GIS 3015C Introduction to Mapping and GIS
- GIS 4043C Principles of Geographic Information Systems
- GIS 4035C Remote Sensing of the Environment
- Digital Image Processing Elective
  - GIS 4037C Digital Image Analysis or
  - SUR 4331/L Digital Photogrammetry Prin. & Apps/Lab

**Business Electives**

**(3 credits each, select 6 credits)**

- GEB 2011 Introduction to Business
- ACG 2021 Principles of Accounting 1
- MAN 3025 Intro. to Mgmt & Org. Behavior
- REE 3043 Principles of Real Estate
- ISM 2000 Information Systems Fundamentals
- ENT 4024 Entrepreneurship
- ENT 4934 Entrepreneurial Assistance Project

**Found. of Science & the Natural World**

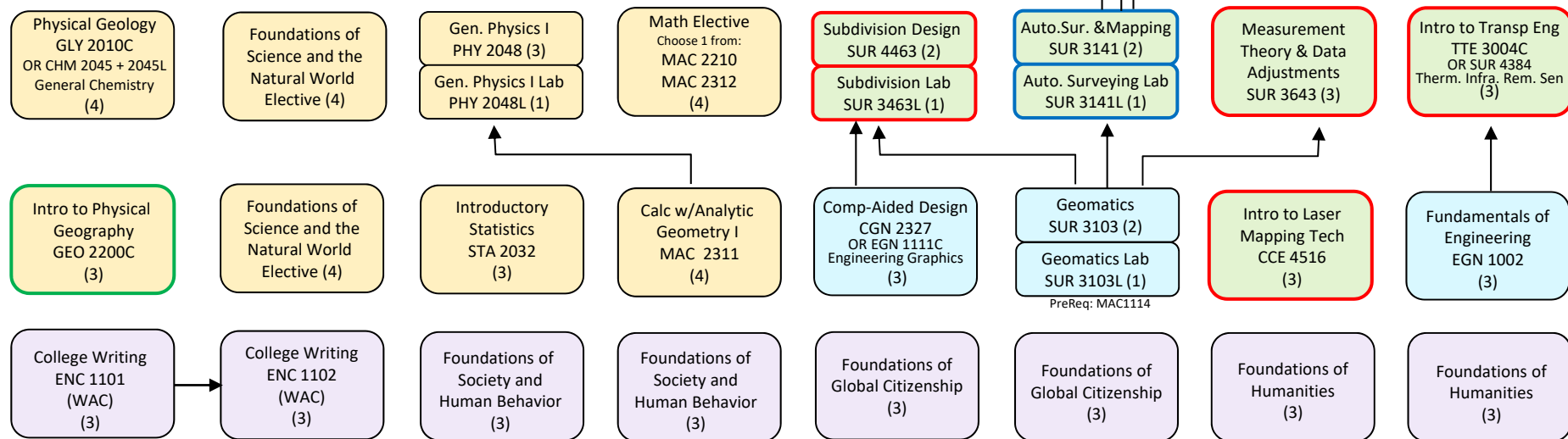
**(4 credits each, select 8 credits)**

- Choose 2 courses not already taken for credit
- GLY 2010C Physical Geology
  - BSC 1010 & L & D Biological Principles
  - BSC 2085 & L Anatomy & Physiology 1
  - CHM 2045 & L General Chemistry 1
  - BSC 1011 & L & D Biodiversity
  - CHM 2032 & L Chem. for Health Sciences

# Bachelor of Science in Geomatics Engineering

Requirements listed are for the catalog effective Fall 2018

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**LEGEND:** ← Pre-Requisite   ←--- Pre- or Co-   Fall Only   Spring Only   Summer Only   Sci & Math   Core Courses   Engineering Fund. Courses   IFP Requirements

This flowchart is reviewed periodically and is subject to change as new requirements become necessary to educate engineers. The information is intended to inform and is not a replacement for a degree audit conducted with an academic advisor.