

**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:

- GIS 4035C Remote Sensing of the Environment
- GIS 4043C Principles of Geographic Information Systems
- GIS 4037C Digital Image Analysis
- EGN 3971 Engineering Professional Internship
- ENT 4015 New Venture Launch
- ENT 4114 Advanced Business Planning
- ENT 4940 Entrepreneurship Internship
- ESC 3704 Environ. Issues in Atmospheric & Earth Science
- FIN 3403 Principles of Financial Management
- GEO 3342 Sea-Level Rise: Impacts and Responses
- GEO 4022 Quantitative Methods
- GEO 4167C Spatial Data Analysis
- GEO 4280C Water Resources
- GEO 4300 Biogeography
- GEO 4602 Urban Geography
- GEO 4760 Transportation and Spatial Organization
- GIS 3015C Introduction to Mapping and GIS
- GIS 4037C Digital Image Analysis
- 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 Hydrogeology Mod & Aquifer Test
- IDS 3949 Professional Internship
- MAN 4046 Leadership, Supervisory Skills & Team Develo
- MAR 3023 Marketing Management
- 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

**Reality Capture Core**

(3 credits each, select 6 credits)

- CCE 4514C Intro to Laser Mapping Tech (Sp)
- SUR 4331/L Digital Photogrammetry Prin.& Apps/Lab (F)
- SUR 4384 Therm. Infra. Rem. Sensing (F)

**Business Electives**

(3 credits each, select 3 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)

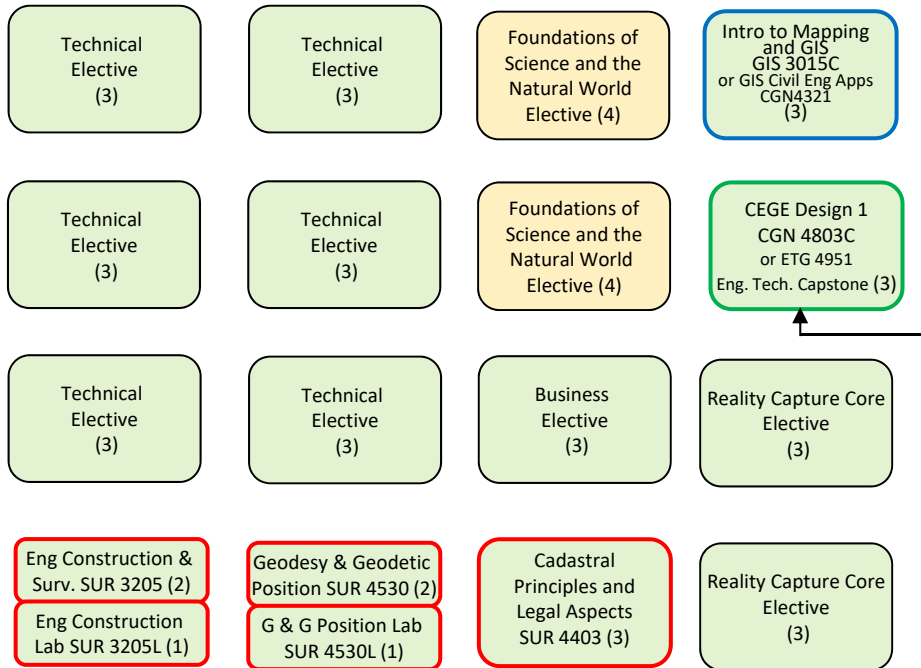
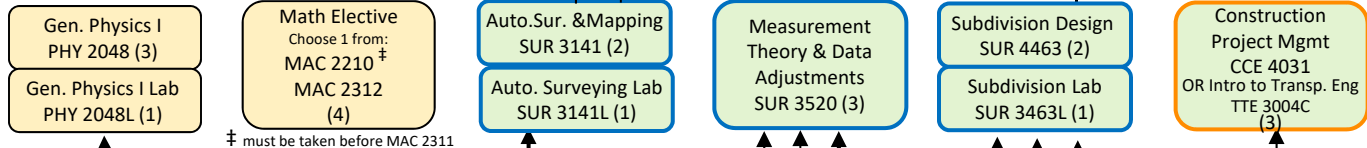
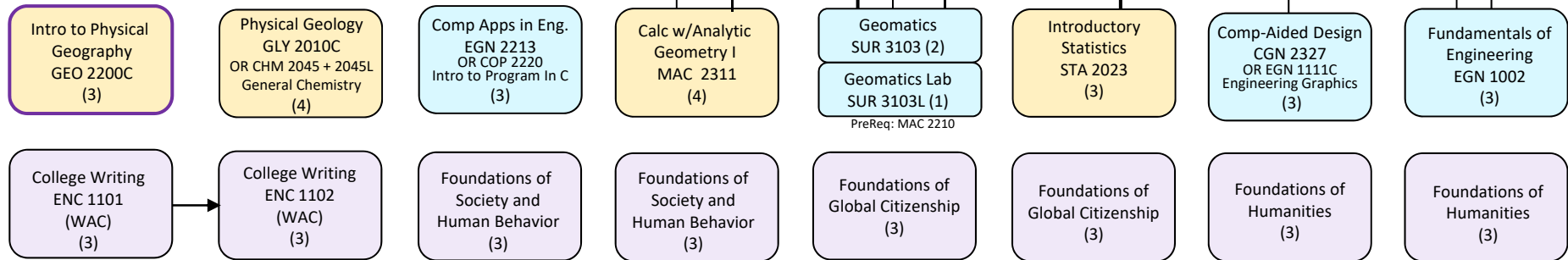
- Choose 2 courses not already taken for credit
- ANT 2511 & L Intro to Biological Anthropology
  - BSC 1010 & L & D Biological Principles
  - BSC 1011 & L & D Biodiversity
  - BSC 2085 & L Anatomy & Physiology 1
  - CHM 2045 & L General Chemistry 1
  - CHM 2032 & L Chem. for Health Sciences
  - GLY 2010C Physical Geology
  - PHY 2053 College Physics 1
  - PHY 2049 & L General Physics 2



# Bachelor of Science in Geomatics Engineering

Requirements listed are for the catalog effective Spring 2019

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**LEGEND:** ← Pre-Requisite   ←----- Pre- or Co-   Fall Only   Spring Only   Summer Only   Fall/Spring   Spring/Summer   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. Rev 5/22/20