GEOSPATIAL ENGINEERING FLOWCHART
Academic Year 2022-23

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

Updated 05.16.2022

Total Academic Credits: 127
Total Co-Curricular Units: 3
Engineering Elective List (3 credits)
CEE3101 Civil Engineering Materials (3 cr)  F, S
CEE3332 Fundamentals of Construction (3 cr)  F, S
CEE3401 Transportation Engineering (3 cr)  F, S
CEE3810 Soil Mechanics (4 cr)  F, S
ENG3200 Thermo/Fluids (4 cr)  F, S
ENTXXXX Enterprise (Except 3960/4950) (var)  F, S
UN3002 Co-op (1-2 cr)  F, S, Su

Science Elective List (3 credits)
BL2001 Valuing the Great Lakes (3 cr)  F, Su
BL2160 Botany (4 cr)  S
CH1153 Chemistry Recitation I (1 cr)  F, S, Su
FW2010 Vegetation of North America (4 cr)  F
PH1200/2200 Physics II (4 cr – 1 cr lab, 3 cr lecture)  F, S, Su
PH1600/1610 Introductory Astronomy & Lab (3 cr – 1 cr lab, 2 cr lecture)  F, S, Su
GE3850 Geohydrology (3 cr)  S

Surveying Elective List (3 credits)
SU4010 Geospatial Concepts, Technologies, and Data (3 cr)
SU4011 Cadastre and Land Information Systems (3 cr)
SU4012 Geospatial Data Mining and Crowdsourcing (3 cr)
SU4013 Hydrographic Mapping & Surveying (3 cr)
SU4300 Geospatial Monitoring of Eng Structures & Geodynamic Proc (3 cr)
SU4996 Special Topics in Geospatial Technologies (var)
SU4997 Independent Study in Geospatial Technologies (var)
SU4998 Undergrad Research in Geospatial Technologies (var)

GENERAL EDUCATION REQUIREMENTS
A. CORE COURSES (12 CREDITS)
1. UN1015 (COMPOSITION)
2. UN1025 (GLOBAL ISSUES) or 3000+ level Modern Language Course
3. CRITICAL AND CREATIVE THINKING
   ART1000, HU2130, HU2324, HU2501, HU2503, HU2538, HU2700, HU2820,
   HU2910, MUS1000, SND1000, SS2300, THEA1000
4. SOCIAL RESP. & ETHICAL REASONING
   EC2001, PSY2000, SS2100, SS2200, SS2400, SS2500, SS2501, SS2502, SS2503,
   SS2504, SS2505, SS2600, SS2610, SS2700

B. HASS COURSES (12 CREDITS)
   (General Ed Website, left)
1. COMM/COMP: __________________________
2. HUMANITIES & FINE ARTS: ______________________
3. SOCIAL & BEHAVIORAL SCIENCES: ________________
4. ANY HASS OR HASS RESTRICTED COURSE: ______________
   • 6 credits must be upper division 3000-4000 level courses
   • No more than 3 credits from the HASS Restricted list can be used to satisfy
     HASS requirements.
   • Each course can satisfy only one requirement.

C. CO-CURRICULAR ACTIVITIES (3 UNITS)
   (General Ed Website, left)
1. __________  4. __________
2. __________  5. __________
3. __________  6. __________