21 total credit hours for the minor

Geoinformatics minor

Core courses:

GEOL 103, GEOL 103L: Environmental Geology and Lab (4 cr.)

DATA 210: Dataset Organization and Management (3 cr.)

CSCI 220, CSCI 220L: Computer Programming I and Lab (4 cr.)

GEOL 402: Geospatial Science (4 cr.)

Students must also take at least 6 credits of elective courses. Possible pathways:

- Marine Geology/Hydrography
  - GEOL 239 (Intro. to Seafloor Mapping)
  - GEOL 257 (Marine Geology)
  - GEOL 339 (Seafloor Research)
  - GEOL 449 (Geographical Information Systems)
  - GEOL 442 (Remote Sensing)

- Geographical Information/Remote Sensing
  - GEOL 449 (Geographical Information Systems)
  - GEOL 442 (Remote Sensing)
  - GEOL 469 (Advanced GIS)
  - ARCH 303 (Paleolithic Archaeology)
  - BIOL 349 (Zoogeography)

- Geography/Planning
  - GEOG 101/POLI 104 (World Geography)
  - URST 310 (Sustainable Urbanism)
  - ECON 303 (Economics of Transportation and Geography)
  - REAL 376 (Real Estate Market Analysis)
  - URST 310 (Urban Planning)
  - URST 320 (Town and Country Planning)

Contact us for more information: callahant@cofc.edu
Program of Study Guidelines

Sept. 2020

21 total credit hours for the minor

Geoinformatics minor

Required Courses:
- GEOL 103 Environmental Geology (3)
- GEOL 103L Environmental Geology Laboratory (1)
- OR GEOL 155 Honors Geology (3) AND HONS 155L Honors Geology Laboratory (1)
- DATA 210 Dataset Organization and Management (3)
- CSCI 220 Computer Programming I (3)
- CSCI 220L Computer Programming I Laboratory (1)
- GEOL 402 Geospatial Sciences (4)

Complete 6 or more Credit Hours of:
(a maximum of 3 credit hours from CLAS 421 can count toward this minor):
- GEOL 239 Introduction to Seafloor Mapping (2)
- GEOL 257 Marine Geology (4)
- GEOL 314 Introduction to Remote Sensing (4)
- GEOL 339 Seafloor Research (3)
- GEOL 442 Geological Application of Remote Sensing (4)
- GEOL 449 Geographical Information Systems (4)
- GEOL 469 Advanced GIS – Environmental and Hazards Geospatial Modeling (4)
- BIOL 340 Zoogeography (3)
- GEOG 101/POLI 104 World Regional Geography (3)
- GEOG 219 Reading the Lowcountry Landscape (3)
- HPCP 275: History of Land Design (3)
- POLI 310: Applications of Geographic Information Systems (GIS) (3)
- POLI 397: Environmental Geography (3)
- ANTH 303: Paleolithic Archaeology (3)
- CLAS 421: Field Methods in Classical Archaeology (3-6)
- ECON 303: Economics of Transportation and Geography (3)
- REAL 376: Real Estate Market Analysis (3)
- URST 310: Urban Planning (3)
- URST 320: Town and Country Planning (3)
Program of Study Guidelines  
21 total credit hours for the minor

Geoinformatics minor

**STEP 1**
GEOL 103 and 103L (Environmental Geology)
MATH 111 (Pre-Calculus Mathematics)*

**STEP 2**
CSCI 220 and 220L (Computer Programming I)
DATA 210 (Dataset Organization and Management)

**STEP 3**
GEOL 402 (Geospatial Science)**
Elective
Elective

*or other CSCI 220 prerequisite
**students must have sophomore or higher status to enroll in this course

Contact the Geology & Environmental Geosciences department for questions