GEOLOGY

COLLEGE: ARTS AND SCIENCES
SCHOOL: NONE
DEGREE: BACHELOR OF SCIENCE
OPTION/TRACK: NONE

LIMITED ACCESS PROGRAM: NO

CAMPUS(ES) WHERE OFFERED/CONTACT:
TAMPA only / Eleanour Snow, Department of Geology, SCA 203, 974-0319

Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- CHM 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045C or CHM 1045E
- CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E
- GLY 2010C Introduction to Physical Geology
- GLY 2100 History of the Earth and Life or other GLY course
- MAC 2311 Calculus I
- PHY 2048C General Physics and Laboratory I or PHY 2048/2048L
- PHY 2049C General Physics and Laboratory II or PHY 2049/2049L
- PHY 2053C Physics
- PHY 2054C Physics

The choice physics sequence depends on the area of geology specialization.

Admission Requirements to the University Program of Study
Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Requirements for the Major in Geology (B.S.)
Geology Courses (32 sem. hrs.)
- GLY 2010 Dynamic Earth: Introduction to Physical Geography (3)
- GLY 2010L Dynamic Earth Laboratory (1)
- GLY 2100 History of Earth and Life (3)
- GLY 2100L Earth History Laboratory (1)
- GLY 3200 Mineralogy (4)
- GLY 3400C Structural Geology (4)
- GLY 3610 Introduction to Invertebrate Paleontology (4)
- GLY 4310 Petrology (4)
- GLY 4552 Sedimentary Geology and Geochemistry (4)
- GLY 4550 Depositional Systems (4)

Geology Track or Environmental Geology Track (6-8 sem. hrs.)
The Geology track has a field geology requirement:
A minimum six-week, six-hour field course, approved by the geology advisor.

The Environmental Geology track requires:
- GLY 4822 Introduction to Hydrogeology (4)
- GLY 4700 Geomorphology (4)
- or GEO 4210 Process Geomorphology (4)

Supporting Courses (22-24 sem. hrs.)
- CHM 2045 General Chemistry I (3)
- CHM 2045L General Chemistry I Laboratory (1)
- CHM 2046 General Chemistry II (3)
- CHM 2046L General Chemistry II Laboratory (1)
- MAC 2281 Engineering Calculus I (3)
- MAC 2282 Engineering Calculus II (3)
- or MAC 2311 Calculus I (4)
- MAC 2312 Calculus II (4)
- PHY 2048 General Physics (3)
- PHY 2048L General Physics Laboratory (1)
- PHY 2049 General Physics (3)
- PHY 2049L General Physics Laboratory (1)

Liberal Arts Requirements
The student is required to complete the University’s Liberal Arts Requirements.
Free Electives 19-25 sem. hrs.

The student will choose, in consultation with his/her Geology adviser, such courses in the natural sciences that support his/her major interest in the field of geology. Courses in computer programming and additional mathematics are of particular value. Those students who anticipate continuing for a doctorate in graduate school are encouraged to take a foreign language, preferably French, German, or Russian.

All geology majors are strongly urged to take a course in technical writing.

All entering students anticipating a major in Geology are advised to enroll in:

- CHM 2045 General Chemistry I (3)
- CHM 2045L General Chemistry I Laboratory (1)
- CHM 2046 General Chemistry II (3)
- CHM 2046L General Chemistry II Laboratory (1)
- GLY 2010 Dynamic Earth: Introduction to Physical Geology (3)
- GLY 2010L Dynamic Earth Laboratory (1)
- GLY 2100 History of the Earth and Life (3)
- GLY 2100L Earth History Laboratory (1)

in the freshman year and to seek curriculum counseling with a Geology advisor.

D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.