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 or PHY 2053C
- PHY 2049C General Physics and Laboratory II or PHY 2049/2049L or PHY 2054C
- XXX XXXX Historical Geology **strongly** recommended

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.)**

  **Introductory Sequence** *(4 hours):*
  1. One course chosen from:
     - GLY 2010, GLY 2030, GLY 2038, GLY 2040, GLY 2050, OCE 2001 *(3)*
     - GLY 2015L *(1)*

  **Junior-level sequence (20 hours):**
  - GLY 3104 Geologic Time *(4)*
  - GLY 3311 The Solid Earth: Petrology and Geochemistry *(4)*
  - GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure *(4)*
  - GLY 3554C The Earth’s Surface *(4)*
  - GLY 3720C The Fluid Earth *(4)*

  **Senior-Level Sequence (12 hours):**
  - GLY 4145 Computational Geology *(3)*
  - GLY 4921 Geocommunications *(3)*
  - GLY 4947L Practical and Applied Geology *(6)*
  - or A Geologic Field Course and/or Summer Research Experience, as defined and approved by the Department Undergraduate Committee.

  **Supporting Courses (32 hours):**
  - MAC 2281 Engineering Calculus I (recommended) *(3)*
  - MAC 2282 Engineering Calculus II (recommended) *(3)*
  - or MAC 2311 Calculus I *(4)*
  - MAC 2312 Calculus II *(4)*
  - 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)*
  - BSC 2010/2010L Biology I - Cellular Processes and Laboratory *(4)*
  - BSC 2011/2011L Biology II - Diversity and Laboratory *(4)*
  - PHY 2048-2048L General Physics and Laboratory (recommended) *(4)*
  - PHY 2049-2049L General Physics and Laboratory (recommended) *(4)*
  - or PHY 2053-2053L General Physics and Laboratory *(4)*
  - PHY 2054-2054L General Physics and Laboratory *(4)*
Liberal Arts Requirements

All students are required to complete the University's Liberal Arts Requirements.

Free Electives (19-25 hours)

The student will choose, in consultation with his/her geology advisor, 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.

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