• 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
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.)
Geology Courses (36 sem. hrs.)
BSC 2010 Biology I - Cellular Processes
BSC 2010L Biology I - Cellular Processes Laboratory
BSC 2011 Biology II - Diversity
BSC 2011L Biology II - Diversity Laboratory

1. One course chosen from the following*:
GLY 2010 Dynamic Earth: Introduction to Physical Geography
GLY 2030 Environmental Geology
GLY 2038 Earth and Environmental Systems
GLY 2040 Origins: Big Bang to Ice Age
GLY 2050 Science, Earth and Life

and

2. GLY 2015L Essentials - Geology Laboratory

*Transfer students who have taken GLY 2010C and GLY 2100C or the equivalent will be deemed to have met the introductory sequence requirements. However, ALL students are strongly encouraged to take GLY 2015L, as this course will greatly facilitate success in the upper-level offerings.

GLY 3115C Geologic Time
GLY 3311 The Solid Earth: Petrology/Geochemistry
GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure
GLY 3552C The Earth's Surface
GLY 3800C The Fluid Earth
GLY 4145 Computational Geology
GLY 4400 Geocommunications

and either:
GLY 4947L Practical and Applied Geology

A Geologic Field Course and/or Summer Research Experience, as defined and approved by the Department Undergraduate Committee. Non-traditional research experiences (i.e., NSF-supported Research Experiences for Undergraduate summer programs are acceptable provided the student concurrently registers for six hours of Geologic Field Studies (GLY 4780) to meet credit hour requirements, and their research supervisor provides the Undergraduate committee with an assessment of student activities during the program.

MAC 2281 Engineering Calculus I
MAC 2282 Engineering Calculus II

or

MAC 2311 Calculus I
MAC 2312 Calculus II

Continued
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.

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