The Interdisciplinary Natural Science degree serves the academic and career goals of undergraduate students who seek a broad education in the Natural Sciences (Biology, Chemistry, Physics, Mathematics, Geology).

For information on teacher certification in science or mathematics, prospective teachers should consult the section entitled Teacher Education Programs and also consult the College of Education section of the catalog.

Recommended Prerequisites (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 with 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.

Recommended Prerequisites (State Mandated Common Prerequisites)

There are no State Mandated Common Prerequisites for this degree program.

Students are encouraged to complete as many of the following courses as possible, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Biology I and Biology II (BSC 2010, 2010L, BSC 2011, 2011L) 8
Calculus (MAC 2241, MAC 2242 or MAC 2311, MAC 2312) 6-8
General Chemistry (CHM 2041, CHM 2045L, CHM 2046, CHM 2046L) 8
Organic Chemistry (CHM2210, CHM2210L, CHM2211, CHM2211L) 8
General Physics (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L) 8
Introduction to Physical Geology and History of the Earth and Life (GLY 2010, GLY 2015L, GLY 2100, GLY 2100L) 8

Requirements for the Major in Interdisciplinary Natural Sciences

Coursework required for Interdisciplinary Natural Science majors:

TIER 1

Two introductory courses in each of 5 natural sciences areas (Math, Physics, Chemistry, Biology, Geology) totaling 40 hours.

Calculus I and II (MAC 2241, 2242 or MAC 2311, 2312 or MAC 2281, 2282)
(BSC 2010, 2010L and BSC 2011, 2011L)
General Chemistry I and II (CHM 2045, 2045L and CHM 2046, 2046L)
General Physics I and II (PHY 2053, 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L)
Introduction to Physical Geology and History of the Earth and Life (GLY 2010, GLY 2015L, GLY 2100, GLY 2100L)

TIER 2

At least 8 hours of structured, upper division (3000 level or higher) courses in three of the five natural sciences areas, totaling 24 hours. All Tier 2 courses in the sciences will be selected by the individual student, but must be chosen from the list of courses approved for department Major credit.

Residency
At least 12 of the 24 hours at Tier 2 must be taken at USF.