

Science

Scientific Computing is the field of study concerned with modeling and analyzing natural and engineered processes using computational techniques. Scientific Computing is a multidisciplinary field of study, both contributing to and benefiting from computer science, mathematics, and the natural and physical sciences.

The Applied Scientific Computing minor offers students a foundation in scientific computing. The program is designed to encourage students in all scientific disciplines with an interest in a multidisciplinary perspective on the sciences.

Minor in Applied Scientific Computing

17 credits minimum; 9 credits upper division

SCI 370	Scientific Inquiry in the Digital Age	4
SCI 470	Scientific Computing Seminar	2
MATH 251	Calculus I	4
or MATH 252	Calculus II	
SCI/CSC 205	Programming for Scientists	4
or CSC 210	Introduction to Computer Programming	
Any course in the natural and physical sciences numbered 200 or higher with a lab section		3-4
Total Hours		17-18

Notes:

MATH 252 can be replaced with any Math course with MATH 252 as a prerequisite.

CSC 210 can be replaced with any Computer Science course with CSC 210 as a prerequisite.

All courses must be approved by a faculty advisor associated with the scientific computing program at CLU.