Minor in Computer Science
Program Guide

Computer Science deals with data structures, algorithms, problem-solving techniques, programming languages, software engineering and the architecture of modern digital computer systems. The rapid rise in computer usage has led to a corresponding increase in the need for people to work in computer-related positions. The Minor in Computer Science helps students prepare to make effective use of computers in their careers. It may be particularly attractive to students from engineering, business administration, education, the social sciences and the life and physical sciences.

REQUIRED COURSES

Course #	Course Name	Credits	Course Notes/Attributes
CS 04113	Introduction to Object-Oriented Programming	4	
CS 04114	Object Oriented Programming and Data Abstraction	3	Requires a grade of C- or better in CS 04113
MATH 03160	Discrete Structures	3	
CS 06205	Computer Organization	3	Requires a grade of C- or better in CS 04113
CS 04222	Data Structures & Algorithms[1]	4	Requires a grade of C- or better in CS 04114
CS 01205	Computer Laboratory Techniques	3	

[1] Principles of Data Structures (CS 04225) does **NOT** fulfill this requirement, either partially or fully.

ELECTIVE COURSES   (must take one course from the following list)

Course #	Course Name	Credits	Course Notes/Attributes
CS 04315	Programming Languages	3	
CS 04390	Operating Systems	3	
CS 07210	Foundations of Computer Science	3	
CS 07321	Software Engineering I	4	
CS 07340	Design and Analysis of Algorithms	3	
Various	Any restricted elective for Computer Science majors as approved by Computer Science advisor.		
MATH 01332	Numerical Analysis	3	