2022-2023

Computer Science Associate in Science Degree

Complete the following program of study (Major C.6920.AS). Major requirements (20 units minimum).

Upon completion of the program, students should be able to understand the social impact of computers on human society, carry out computer related tasks with professional ethics, and write programs using both procedural and object oriented programming languages.

Transfer

Purpose: To prepare students for transfer into four-year computer science programs. Students planning to transfer to a four-year college or university should familiarize themselves with the computer science program requirements at the school to which they will transfer.

Name: _____ **Student ID:** _____ **Date:** _____

Course Overview and Selection

Required Core:

Course	Course Description	Units	Completed	In Progress	Planned
CSCI 40	Programming Concepts and Methodology I	4			
CSCI 41	Programming Concepts and Methodology II	4			

List A – Select 12 units

Course	Course Description	Units	Completed	In Progress	Planned
CSCI 26	Discrete Mathematics for Computer Science	4			
CSCI 45	Computer Organization & Assembly Language Programming	4			
MATH 5A	Math Analysis I	5			
MATH 5B	Math Analysis II	4			
PHYS 2A *or* **PHYS 4A**	General Physics 1 *or* Physics for Scientists and Engineers	4 or 4			
PHYS 2B *or* **PHYS 4B**	General Physics 2 *or* Physics for Scientists and Engineers	4 or 4			

Note:

*Recommended courses:

Mathematics 5A, 5B; Physics 2A, 2B

Program Learning Outcomes:

1. Understand the social impact of computers on human society
2. Carry out computer related tasks with professional ethics
3. Write programs using procedural programming language
4. Write programs using object oriented programming language
5. Analyze and solve application problems in science and engineering
6. Write programs using advanced programming concepts

Comments:

Faculty Advisors: Kerney & Nichols