Computer Science   AS Degree

Pathways Common Core: 30 credits

This program has a waiver to list specific courses to complete Common Core requirements.

A. Required Core: 12 credits

English: 6 credits
ENG101 English Composition I   3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature   3

Mathematical and Quantitative Reasoning: 3 credits
MAT115 College Algebra and Trigonometry (STEM)   3

Life and Physical Sciences: 3 credits
Select one of the following courses:
SCB101 Topics in Biological Sciences   3
SCC101 Topics in Chemistry   3
SCP101 Topics in Physics   3
SCP140 Topics in Astronomy   3

B. Flexible Core: 18 credits
To complete the degree requirements from the Flexible Core, students are advised to select the following:

Students are advised to select one course from each of the five Flexible Core categories and one additional course from any one category. Students can select only two courses from any one discipline. Students are recommended to select courses listed in the program handbook.
World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World – MAT200 Pre-Calculus is the required pre-requisite for MAT201 Calculus.

Students are advised to select one Urban Study course to complete college requirement.

Program Core: 30 credits

Counseling
New Student Seminar

Math, Engineering and Computer Science: 29 credits
MAT201 Calculus I   4
MAT202 Calculus II   4
MAC101 Introduction to Computer Science   3
MAC125 Advanced C/C++ Programming   3
MAC190 Object-oriented Programming   3
MAC281 Discrete Structures   3
MAC283 Computer Organization and Assembly Language   3
MAC286 Data Structures   3
MAT210 Linear Algebra   3

Unrestricted elective: 1 credit

Total: 60 credits