

COMPUTER SCIENCE

CMU ACADEMIC YEAR 2024 –2025

Recommended Course Flow for 4 years

Credit Hours

Semester

1

F S **MATH 151** 5
Calculus I

F S **CSCI 110** 3
Beginning Programming

F S **CSCI 110L** 1
Beginning Programming Lab

F S **KINE 100** 1
Health & Wellness

F S **ESSL XXX** 3
Essential Learning: Social/Behavioral

F S **ENGL 111** 3
English Composition I

16

2

F S **MATH 152** 5
Calculus II

F S **CSCI 111** 4
Foundations of Computer Science

F S **KINA XXX** 1
KINA Activity

F S **ESSL XXX** 3
Essential Learning: Social/Behavioral

F S **ENGL 112** 3
English Composition II

16

3

F S **CSCI 260** 3
Introduction to Database

F S **CSCI 112** 4
Data Structures

F S **ESSL XXX** 3
Essential Learning: Natural Sci w/ Lab

F S **ESSL XXXL** 1
Essential Learning: Natural Sci Lab

F S **HIST 1XX** 3
Essential Learning: History

14

4

F S **CSCI 250** 3
Intro to Algorithms

F S **CSCI 241** 4
Comp Architecture & Assembly Lang

F S **STAT 200** 3
Probability & Statistics

F S **ESSL 290** 3
Maverick Milestone

F S **ESSL 200** 1
Essential Speech

14

5

F S **CSCI 330** 3
Programming Languages

F S **MATH 369** 3
Discrete Structures I

F S **CSCI XXX** 3
Electives

F S **ESSL XXX** 3
Essential Learning: Fine Arts

F S **ESSL XXX** 3
Essential Learning: Humanities

15

6

F S **CSCI 375** 3
Object Oriented Program & Design

F S **CSCI 3/4XX** 3
Computer Science Restricted Elective

F S **CSCI 3/4XX** 3
Computer Science Restricted Elective

F S **CSCI 3/4XX** 3
Upper Division CSCI Elective

F S **ELEC XXX** 3
General Elective

15

7

F S **CSCI 3/4XX** 3
Computer Science Restricted Elective

F S **CSCI 484** 3
Computer Networks

F **CSCI 480** 3
Algorithms: Design & Analysis

F S **ELEC 3/4XX** 3
General Elective

F S **ELEC XXX** 3
General Elective

15

8

F S **CSCI 470** 3
Operating Systems Design

F S **CSCI 490** 3
Software Engineering

F S **CSCI 3/4XX** 3
Computer Science Restricted Elective

F S **ELEC XXX** 3
General Elective

F S **ESSL XXX** 3
Essential Learning: Natural Science

15

Comp Sci Courses

Math & Science

Essential Learning

Take Between 45-75 Credit Hours

Prerequisite

Co-/Pre-requisite

F Offered Fall Semester

S Offered Spring Semester

Total Credits Required 120