

COMPUTER SCIENCE

CMU ACADEMIC YEAR 2026-2027

Recommended Course Flow for 4 years

Semester

1

FS **MATH 151** 5
or Math 135
Calculus I

FS **CSCI 110** 3
CS0: Beginning
Programming

FS **CSCI 110L** 1
Beginning
Programming Lab
Optional

FS **KINE 100** 1
Health &
Wellness

FS **ENGL 111** 3
English
Composition I

FS **ESSL XXX** 3
Essential Learning:
Social/Behavioral

2

FS **MATH 152** 5
or Math 136
Calculus II

FS **CSCI 111** 3
CS1: Foundations of
Computer Science

FS **CSCI 210** 3
Cloud & DevOps
Foundations Linux

FS **KINA XXX** 1
Kinesiology
Activity

FS **ENGL 112** 3
English
Composition II

3

FS **STAT 200** 3
Probability &
Statistics

FS **CSCI 112** 3
CS2: Data
Structures

FS **CSCI 260** 3
Introduction
to Database

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

FS **ESSL XXX** 1
Essential Learning:
Natural Sci Lab

FS **HIST 1XX** 3
Essential Learning:
History

4

FS **MATH 225** 3
Computational
Linear Algebra

FS **CSCI 250** 3
CS3: Intro. to
Algorithms

FS **CSCI 241** 3
Comp Architecture
& Assembly Lang

FS **ESSL 290** 3
Maverick
Milestone

FS **ESSL 200** 3
Essential Speech

FS **ESSL XXX** 3
Essential Learning:
Natural Sciences

5

FS **MATH 369** 3
Discrete
Structures I

F **CSCI 330** 3
Programming
Languages

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **ESSL XXX** 3
Essential Learning:
Fine Arts

6

FS **CSCI 420** 3
Software
Security

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

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **CSCI 3/4XX** 3
Computer Science
Elective

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F **CSCI 484** 3
Computer
Networks

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **ESSL XXX** 3
Essential Learning:
Social/Behavioral

8

S **CSCI 470** 3
Operating Systems
Design

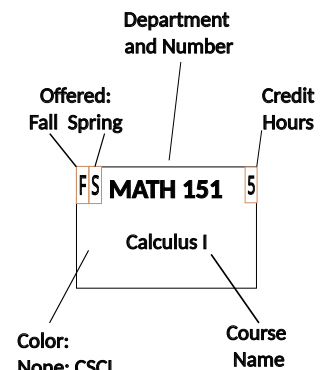
S **CSCI 490** 3
Software
Engineering

FS **CSCI 3/4XX** 3
Computer Science
Elective

FS **ELEC XXX** 3
Any Elective
1XX-4XX

FS **ESSL XXX** 3
Essential Learning:
Humanities

How to read the blocks



- Green: Math
- Blue: Other Departments
- Red: Take between 45-75 credit hours
- Horizontal Lines: Take same semester
- \\ / Cross Semester Lines: Important Pre-requisite

Total Required Credit Hours: 120