Freshman Year

Math 151 or placement into calculus on Math Placement Test

CMSC 255 Introduction to Programming

CMSC 256 Data Structures & Object Oriented Programming

CMSC 302 Introduction to Discrete Structures

Technical Electives:

Prerequisites that require grade "C" or better

Required Courses

Pre- or co-requisites

Prerequisites

Freshman Year:

- CMSC 255 Introduction to Programming
- CMSC 256 Data Structures & Object Oriented Programming
- CMSC 302 Introduction to Discrete Structures

Sophomore Year:

- CMSC 257 Computer Systems
- CMSC 355 Software Engg: Specification & Design
- CMSC 311 Computer Organization
- CMSC 303 Theory of Computation

Junior Year:

- CMSC 401 Algorithm Analysis with Advanced Data Structures
- CMSC 312 Introduction to Operating Systems
- CMSC 508 Database Theory
- CMSC 403 Programming Languages

Senior Year:

- CMSC 451 Senior Design
- CMSC 452 Senior Design

Technical Electives:

You must take a minimum of three Technical Electives from the list under CMSC upper-level electives at:
http://bulletin.vcu.edu/undergraduate/engineering/computer-science/computer-science-bs/#degreerequirementstext

Each TE has its pre-requisites you need to have

For Cybersecurity or Data Science certificates, check the corresponding requirements at http://computer-science.egr.vcu.edu/undergraduate/certificate/certificate-cybersecurity/ or http://computer-science.egr.vcu.edu/undergraduate/certificate/certificate-data-science/

1 Requires having 24 CMSC credits and UNIV 200
2 Must be taken immediately after CMSC 451