

B.S. Computer Science (CPSC)

Recommended Two -Year Plan (Fall 2014)

This recommended two-year plan is provided as an **outline** for students to follow in order to complete their degree requirements within two years. This plan is a **recommendation** and students should only use it in consultation with their academic advisor.

Students should be aware that this plan assumes that no developmental courses are required. Students should be aware that this plan assumes that no developmental or pre-requisite courses are required. If developmental or pre-requisite courses are needed, students may have additional requirements to fulfill, which do not appear on the two-year plan.

- This plan assumes the student has earned their **Associates degree** prior to attending Montclair State University.
- It is recommended that the following courses be completed prior to attending Montclair State University.

CSIT 104 Computational Concepts
 CSIT 111 Fundamentals of Programming I
 CSIT 112 Fundamentals of Programming II
 CSIT 212 Data Structures and Algorithms

CSIT 270 Discrete Mathematical Structures
 CSIT 230 Computer Systems
 MATH 122 Calculus I
 MATH 221 Calculus II

Third Year

Fall Semester	SH	Spring Semester	SH
CSIT 379 Computer Science Theory	3	CSIT 340 Computer Networks	3
CSIT 313 Foundations Prog Lang	3	CSIT 345 Operating Systems	4
CS collateral sequence (see list)	4	CS collateral sequence (see list)	4
World Languages	3	World Languages	3
Free Elective	3		
Total	16	Total	14

Fourth Year

Fall Semester	SH	Spring Semester	SH
CSIT 315 Software Engineering I	3	CSIT 415 Software Engineering II	3
CSIT 355 Database Systems	3	MATH 235 Intro Linear Algebra	3
CS collateral sequence (see list)	4	STAT 401 Applied Stat Sciences	3
World Cultures	3	CS Elective	3
CS Elective	3	Free Elective	3
Total	16	Total	15

Total Required: 120 credits