

Computer Science and Information Security Degree Plans

(1) For students taking calculus their first semester. Student should try to take the CSCI courses according to this schedule regardless of the first math course they take.

Year	Fall Semester	Spring Semester
Freshman	CSCI 271-Introducton to Computing and Programming MAT 241-Calculus I	CSCI 272-Object Oriented Programming MAT 204-Discrete Mathematics CSCI 274-Computer Architecture *Optional (not required) Elective
Sophomore	CSCI 373-Advance d Data Structures CSCI 375-Operating Systems Computer Science Elective ¹	CSCI 374-Programming Languages CSCI 377-Computer Algorithms Mathematics Elective ²
Junior	MAT 301-Probability and Mathematical Statistics I CSCI 379-Computer Networks	CSCI 360-Cryptography and Cryptanalysis **Optional (not required) Elective
Senior	CSCI 411-Computer Security and Forensics CSCI 400-Capstone II	CSCI 412-Network Security and Forensics CSCI 401-Capstone II

1. The recommended Computer Science Elective is CSCI 380-Linux System Administration.

2. The recommended Mathematics Elective is MAT 310-Linear Algebra.

*Though not required, it is recommended that students take MAT 242-Calculus II following MAT 241-Calculus I

**Though not required, it is recommended that students take MAT 410- Abstract Algebra concurrently with CSCI 360-Cryptography and Cryptanalysis.

(2) For students taking pre-calculus their first semester.

Year	Fall Semester	Spring Semester
Freshman	CSCI 271-Introduction to Computing and Programming MAT 141-Precalculus	CSCI 272-Object Oriented Programming MAT 204-Discrete Mathematics CSCI 274-Computer architecture MAT 241-Calculus I
Sophomore	CSCI 373-Advanced Data Structure CSCI 375-Operating Systems Computer Science Elective ¹ *Optional (not required) Elective	CSCI 374-Programming Languages CSCI 377-Computer Algorithms Mathematics Elective ²
Junior	MAT 301-Probability and Mathematical Statistics I CSCI 379-Computer Networks	CSCI 360-Cryptography and Cryptanalysis **Optional (not required) Elective
Senior	CSCI 411-Computer Security and Forensics CSCI 400-Capstone I	CSCI 412-Network Security and Forensics CSCI 401-Capstone II

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