



Recommended Course Sequence

Bachelor of Science in Computer Science – Theoretical Track (0494)

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
CSCI 125 Intro. to Computer Science	CSCI 230 Principles of Programming II (CSCI 130)	CSCI 330 Object-Oriented Programming (CSCI 230)	CSCI 380 Operating Systems (CSCI 230)	CSCI 312 Organization and Architecture (CSCI 230)	CSCI 408 Software Engineering (CSCI 330)	MATH 300 App Stats/Data Analysis (MATH 211)	CSCI 475 Data Communications & Networking (CSCI 312)
CSCI 130 Principles of Programming I	MATH 211 Analytic Geometry/ Calculus I (4 Credits)	MATH 212 Analytic Geometry/ Calculus II (MATH 211; 4 Credits)	MATH 370 Discrete Mathematics II (MATH 270)	CSCI 385 Algorithms and Data Structures (CSCI 330 & MATH 270)	CSCI 410 Programming Languages (CSCI 330 & MATH 270)	CSCI Elective	CSCI 480 Computer Science Seminar
MATH 107 PreCalculus (4 Credits)	ENGL 102 Writing and Research Skills (ENGL 101 or Competency)	MATH 270 Discrete Mathematics I (MATH 208)	Science Elective	MATH 275 Linear Algebra I (MATH 211)	Science Elective (4 credits)	CSCI Elective (300+)	CSCI Elective (300+)
ENGL 101 College Writing Skills (ENGL 010 or Placement Test)	General Education Core Class	General Education Core Class	General Education Core Class	General Education Distribution Class	General Education Distribution Class	Free Elective	CSCI Elective (300+)
General Education Core Class	General Education Core Class	Free Elective	General Education Core Class	General Education Core Class	Free Elective (2 credits)	Free Elective	

 General Education Requirements

 Required Computer Science Courses

 Science Electives

 Computer Science Electives

 Required Math Components

 Free Electives