



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)	CSCI 480 Computer Science Seminar (18+CSCI & MATH 270)	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)	STAT 300 App Stats/Data Analysis (MATH 211)	CSCI Elective
MATH 107 PreCalculus (4 Credits)	ENGL 102 Writing and Research Skills (ENGL 101 or Competency)	MATH 270 Discrete Mathematics I (MATH 208)	One Science Elective (lab)	MATH 275 Linear Algebra I (MATH 211)	One Science Elective (4 credits)	CSCI Elective	CSCI Elective
ENGL 101 College Writing Skills (ENGL 010 or Placement Test)	One General Education Class	One General Education Class	One General Education Class	One General Education Class	One General Education Class	Free Elective	Free Elective
One General Education Class	One General Education Class	One General Education Class	Free Elective	Free Elective	Free Elective (2 credits)	Free Elective	

 General Education Requirements

 Required Computer Science Courses

 Science Electives

 Computer Science Electives

 Required Math Components

 Free Electives