

# Suggested Course Sequences 2017/2018

## COMPUTER SCIENCE CONCENTRATION (CSG)

**10 required General Education Electives can be taken in any domain sequence- numbers just count up to 10**

	FALL SEMESTER	SPRING SEMESTER
Year 1	CSCI.120 <sup>1</sup> Intro to Information Technology	CSCI.130 <sup>1</sup> Computer Science I (pre:120,algebra)
	MATH.123 College Algebra (if needed-taken as Free Elective) or take a Gen Ed	MATH.200 Precalculus (if needed – taken as Free elective 2) or take a Gen Ed
	ENGL.110 Expository Writing (Gen Ed 1- core requirement)Taken 1 <sup>st</sup> year	lab Science (MS1)(see CSG lab Science Req) General Education 3
	General Education 2	General Education 4
Year 2	CSCI.215 <sup>1</sup> Computer Science II(pre:130,precalc)	CSCI.271 <sup>1</sup> Data Structures (pre:215)
	CSCI.258 <sup>1</sup> Intro to Operating Systems (pre: 130)	CSCI.360 <sup>1</sup> Database Management (pre:130)
	MATH.206 Discrete Mathematics I (F) OR MATH.215 Finite Mathematics (MS2) (pre:precalc)	MATH.117 <sup>1</sup> Intro to Statistics (MS3) (Gen Ed 6 Math core requirement)
	General Education 5	General Education 7
	CSCI.200 CS Professional Expl. Seminar	
Year 3	CSCI.317 <sup>2</sup> Discrete Structures (pre:271 +M206) OR MATH Discrete Math 2	CSCI.347 <sup>3</sup> Analysis of Algorithms (S) (pre:271 +M206)
	CSCI.352 <sup>2</sup> C Arch &.Assy Lang (F)(pre:271)	CSCI.362 <sup>3</sup> Software Engineering (S)(pre:271)
	CSCI.477 <sup>2</sup> Computer Networking (F)(pre:271) or <sup>8</sup> CS Elective 1	Non-lab Science course (MS4) General Education 9
	General Education 8	General Education 10
Year 4	CSCI.460 <sup>2</sup> Theory of Computing (F) (pre:271 +M206)	CSCI.465 <sup>3</sup> Operating Sys Internals (S) (pre: 271, 352, 362)
	CSCI.477 <sup>2</sup> Computer Networking (F)(pre:271) or if 477 completed take <sup>8</sup> CS Elective 1	<sup>8</sup> CS elective 2
	A math or science course (MS5)	Free elective (Internship recommended)
	Free elective (Internship recommended)	Free elective (Internship recommended)

(F): Offered in the fall semester only.

(S): Offered in the spring semester only

(MS) Math /Science Course Requirements for CS majors

NOTE: General Education courses can be taken in any order (except core requirements must be completed in the first year) the sequence above just shows room for 10 General Education courses.

**Legend : (Superscripts next to course numbers) Course is offered....**

1-Every semester

2-Every fall

3-Every spring

4-Every other fall (odd years)

5-Every other fall (even years)

6-Every other spring (odd years)

7-Every other spring (even years)

8-Variable (not according to any particular schedule or pattern)

9- Other

