

## 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, Math 123)
	MATH.123 Intro to Functions (if needed-taken as Free Elective) or take a Gen Ed	MATH.180 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>3</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)	STAT 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	CS Elective 2
Year 4	CS Elective 3	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	CSCI.460 <sup>3</sup> Theory of Computing (S) (pre:317)
	Free elective (Internship recommended)	Free elective (Internship recommended)
	General Education 10	Free elective (Internship recommended)

(F) : Offered in the fall semester only.

(S): Offered in the spring semester only

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. Free electives may be needed to satisfy the 32-credit requirement for a bachelor's degree.

**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

