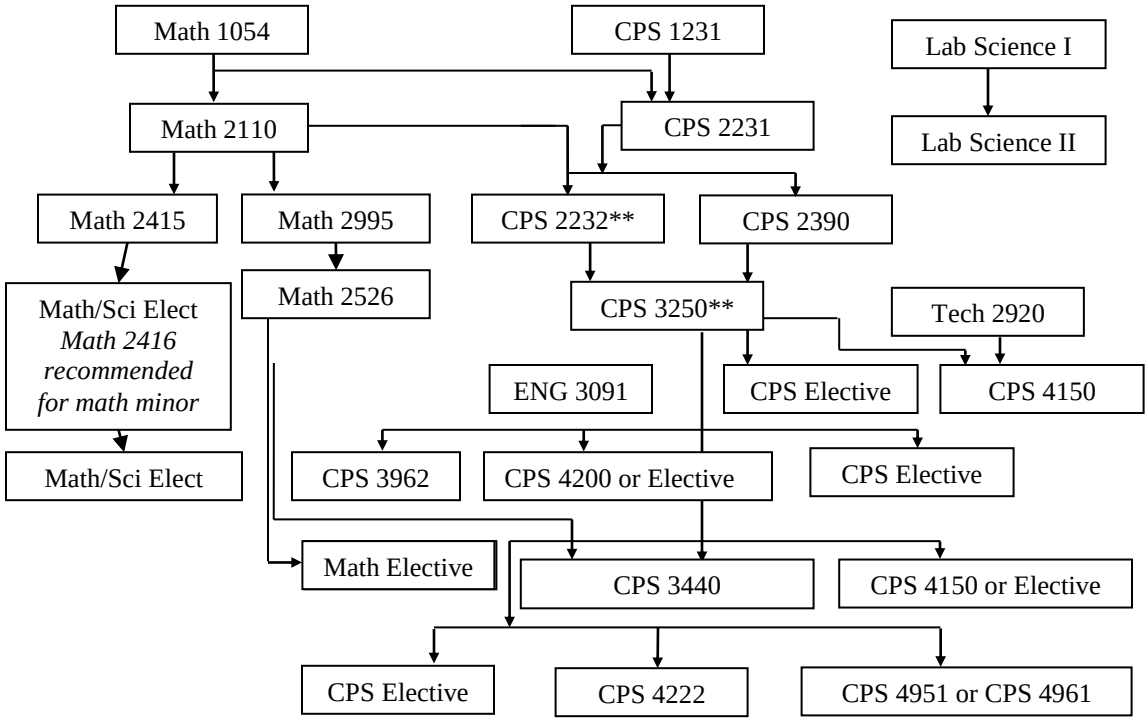
Course Sequence for Computer Science (Cybersecurity option)



1st Year: ***Fall Semester***

CPS 1231	Fund Comp Science	4 Cr.
Math 1054	Precalculus	3 Cr.
	Lab Science I	4 Cr.

Spring Semester

CPS 2231	Comp. Org. & Prog.	4 Cr.
Math 2110	Discrete Structures	3 Cr.
	Lab Science II	4 Cr.

2nd Year: ***Fall Semester***

CPS 2232	Data Structures	4 Cr.
CPS 2390	Org & Architecture	3 Cr.
Math 2415	Calculus I	4 Cr.
Math 2995	Matrix and Linear Alg.	3 Cr.

Spring Semester

CPS 3250	Operating Systems	3 Cr.
Tech 2920	Computer Systems	3 Cr.
Math/Sci	Elective** *[Math 2416]*	3 Cr.
Eng 3091	Technical Writing	3 Cr.

3rd Year: ***Fall Semester***

CPS 3440	Analysis of Algs	3 Cr.
Math 2526	Applied Statistics	3 Cr.
CPS 3498	Computer Security	3 Cr.
CPS	Elective±	3 Cr

Spring Semester

CPS 3740	Database Systems	3 Cr.
CPS	Elective	3 Cr.
CPS	Elective±	3 Cr.
Math/Sci	Elective	3 Cr.

4th Year: ***Fall Semester***

Math	Elective	3 Cr.
CPS 4498	Digital Forensics	3 Cr.
CPS	Elective	3 Cr.
CPS	Elective±	3 Cr.

Spring Semester

CPS 4951	Senior Capstone *or*	3 Cr
CPS 4961	Senior Research	
CPS 4222	Principles of Networking	3 Cr.
CPS	Elective±	3 Cr.

± The B.S. C.S. (Cybersecurity option) degree includes five computer science electives.
A Math Minor is earned if one Math/Science Elective (2 included) selected is a Math 3000/4000 level course and if Math 2416 Calculus II is taken.
** Math 2416 Calculus II recommended, in support of Math Minor.

In order to graduate in 8 semesters, 15 credits are needed each semester.