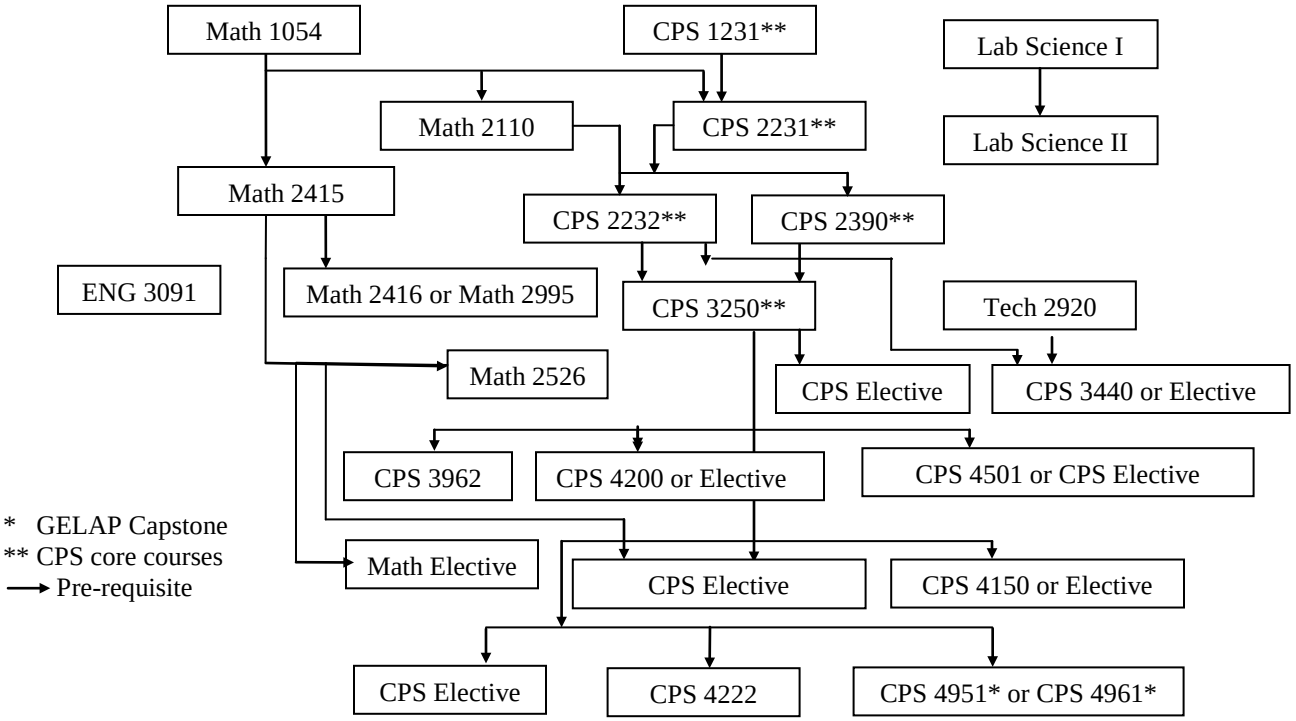
Recommended Major Course Sequence for Computer Science



1st Year: ***Fall Semester***	***S1***	***Spring Semester***	***S2***
CPS 1231 Fund Comp Science	4 Cr.	CPS 2231 Comp. Org. & Prog.	4 Cr.
Math 1054 Precalculus	3 Cr.	Math 2110 Discrete Structures	3 Cr.
Lab Science I	4 Cr.	Lab Science II	4 Cr.

2nd Year: ***Fall Semester***	***S3***	***Spring Semester***	***S4***
CPS 2232 Data Structures	4 Cr.	CPS 3250 Operating Systems	3 Cr.
CPS 2390 Org & Architecture	3 Cr.	Tech 2920 Computer Systems	3 Cr.
Math 2415 Calculus I	4 Cr.	Math 2416 Calculus II *or* Math 2995 Matrix & Linear Alg	4 Cr.
		Eng 3091 Technical Writing	3 Cr.

3rd Year: ***Fall Semester***	***S5***	***Spring Semester***	***S6***
CPS Elective±	3 Cr.	CPS 3962 Obj. Oriented Analysis	3 Cr.
Math 2526 Applied Statistics	3 Cr.	CPS 4200++ Sys. Prog *or* CPS Elect±	3 Cr.
CPS 3440++ Analysis Algorithms *or* CPS Elective	3 Cr.	CPS 4501++ Formal Languages *or* CPS Elective	3 Cr.

4th Year: ***Fall Semester***	***S7***	***Spring Semester***	***S8***
CPS 4150++ Architecture *or* CPS Elective	3 Cr.	CPS 4951 Senior Project *or* CPS 4961 Senior Research	3 Cr
CPS Elective	3 Cr.	CPS 4222 Principles of Networking	3 Cr.
Math Elective	3 Cr.	CPS Elective±	3 Cr.

++ only one of CPS (3440, 4501) is required; only one of CPS(4200 ,4150) is require; the other course may be used as a CPS 3xxx or 4xxx Elective.

± The B.S. C.S. degree includes five computer science electives.

In order to graduate in 8 semesters, 15 to 16 credits are needed each semester.

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