

## B.S. in Computer Science Semester Conversion Proposal

Nov 1, 2017

FALL	SPRING
[4] CSE 2010: CS I + Lab [3] MATH: Discrete Math [4] MATH: Calculus I  [11]	[4] CSE 2020: CS II + Lab [3] MATH: Statistics [4] MATH: Calculus II  [11]
[3] CSE 3130: Machine Organization [3] CSE 4550: Software Engineering [4] MATH: Linear Algebra [5] PHYS I + Lab  [15]	[3] CSE 5120, 5140, or 5160: Artificial Intelligence [3] CSE 4310: Algorithm Analysis [3] CSE 4500: Platform Computing [5] PHYS II + Lab  [14]
[3] CSE 5000: Languages and Automata Theory [4] CSE 3100: Digital Logic + Lab [3] CSE 5720: Database Systems  [10]	[3] CSE 5700: Compilers [4] CSE 4010: Architecture + Lab [3] CSE 4600: Operating Systems  [10]
[3] CSE 5250: Parallel Computing [3] CSE: Elective 1 [3] CSE: Elective 2  [9]	[3] CSE 4880: Ethics and Senior Seminar [3] CSE: Elective 3 [3] CSE: Elective 4  [9]

19 CSE courses	61 units
5 MATH courses	18 units
2 PHYS courses	10 units
Total required	89 units
GE	49 units
Total	138 units
GE A3 Waiver	-3 (Chancellor Office 187/124.7 unit exception)
GE B4 Double Count	-3 (Calculus I)
GE B1, 4 Double Count	-4 (Physics I)
GE D Double Count	-3 (CSE 4880 Ethics)
Grand Total	125

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Prerequisites: CS I, Discrete Math → CS II

CS II → Mach Organization, Lang & Automata, Digital Logic, SE, DB, AI, Platform

CS II, Linear Algebra → Algorithm Analysis

Machine Organization → Operating Systems

Languages and Automata Theory, Machine Organization → Compilers

Digital Logic, Machine Organization → Architecture → Parallel Computing

Senior Standing → Ethics and Senior Seminar

