Computer Science Minor
2019-2020 Curriculum Chart

CSE 20
Beginning Programming in Python

CSE 30
Programming Abstractions: Python

CSE 12/L
Computer Systems and Assembly Language

MATH 11A or 19A
Calculus

CSE 16
Applied Discrete Mathematics

MATH 11B or 19B
Calculus

AM 10*
Math Methods for Engrs I
or MATH 21*
Linear Algebra

CSE 13E
Embedded Systems and C
or CSE 13S
Computer Systems and C

CSE 101*
Algorithms and Abstract Data Types

Upper Division♣ ELECTIVE

Upper Division♣ ELECTIVE

Upper Division
BREADTH COURSE

Upper Division
BREADTH COURSE

Breadth Course List: (Choose two upper division electives from the following list)
CSE 102    CSE 132
CSE 103    CSE 138
CSE 110A   CSE 140
CSE 112    CSE 142
CSE 115A   CSE 143
CSE 120    CSE 160/L &
CSE 130%    CSE 180
CSE 131%    CSE 180

% Either CSE 130 or 131 can satisfy a breadth elective, but not both
& The combination of CSE 160 and 160L counts as one course

Notes:
* Check catalog/SoE course descriptions for prerequisites
♣ Any Upper Division Computer Science course with number 190 or below. (must be at least 5 credits)
### Computer Science Minor
#### 2019-2020 Curriculum Chart

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**Student Name:**

**Staff Advisor:**