| Fall |  |
| :--- | ---: |
| CS 114 (Fund. of Computing I) | 4 |
| M 144 (Calculus I) | 4 |
| ES 143 (Engineering \& Design) | 3 |
| FYS 100P (First Year Seminar) | 3 |
| US 150 (FY Success Seminar) | 1 |
| Total Credits | 15 |


| Fall |  |
| :--- | :--- |
| CS 220P (Data Structures) | 3 |
| CS 211 (Arch. \& Assembly Lang.) | 4 |
| M 221W (Discrete Math I) | 4 |
| PHY 113 (Calculus-Based Physics II) | 4 |
| WRT 210W (Foundations of Arg.) | 3 |

Total Credits 18

Junior3

CS 365 (Prin. of Database Systems) 3
CS 451 (Operating Systems) 3
CS 342 (Algorithms \& Complexity) or 3 CS 340 (Formal Lang. \& Automata) ${ }^{7}$ ECE 255 (Fund. of Circuits \& Elec.) 4
UISC (Cultural \& Hist. Interpretation) 3

Total Credits 16

| Fall |  | Senior |
| :--- | :--- | :--- |
| CSE 471W (Capstone Design) | 3 |  |
| CS 340 (Formal Lang. \& Automata) or | 3 |  |
| CS 342 (Algorithms \& Complexity) |  |  |
| CS/ECE Elective $^{5}$ | 3 |  |
| CH 110 (General Chemistry) | 4 |  |
| UISA (Artistic and Creative Expression) | 3 |  |

Total Credits

## Junior

Senior

Freshman
Spring
CS 115 (Fund. of Computing II)
M 145 (Calculus II)
PHY 112 (Calculus-Based Physics I) 4
Humanities Elective ${ }^{1,4} 3$
WRT 110W (Academic Writing I)
Total Credits

## Sophomore

Spring
CS 320 (Programming Languages)
ECE 231 (Digital Logic Design) 3
ECE 232 (Digital Logic Design Lab) 1
M 242 (Differential Equations) 3
ES 242 (Engineering by Design) 3
UISS 340D (Ethics in the Professions) 3
CRD 200 (Career Preparation) 1

Total Credits
4
4
4
3

Spring
CS 355 (Networks)
ECE 382 (Sensors, Trans., \& Data Acq.) 3
ES 342 (Engineering Practice) 1
UIST (Natural, Scientific, and Technological Exploration) 3
Social Science Elective ${ }^{2,4} 3$
Humanities ${ }^{1,4}$ or Arts ${ }^{3,4}$ Elective 3

Total Credits

CSE 472P (Capstone)
CS/ECE Elective ${ }^{5}$
3

Mathematics Elective ${ }^{5} 3$
Social Science Elective ${ }^{2,4} 3$
Humanities Elective ${ }^{1,4} 3$
LBC (Learning Beyond the Classroom) 0-3
Total Credits
15-18

[^0]
[^0]:    1 Humanities electives from 3 different disciplines: literature (ENG, but not writing classes), foreign language (ARA, FR, GER, HBR, ITA, SPA), history (HIS), and philosophy (PHI).
    2 Social science electives from 2 different disciplines: economics (EC), politics (POL), psychology (PSY), and sociology (SOC).
    3 Arts elective from: art history (ART), music history (HLM), cinema (CIN), or drama (DRA).
    4 One Diversity and one Community/Citizenship from Humanities, Social science, and Arts electives.
    5 CS electives include 200+ courses. ECE electives include ECE 234 and 300+ courses. Math electives include 200+ courses.
    6 LBC elective is internship, practicum, student teaching placement, preceptorship, honors thesis, independent research, study abroad, teaching assistantship, service learning/civic or community engagement.
    7 CS 340 and CS 342 are offered alternating years. Student should enroll in whichever course is offered as soon as possible.

