**Catalogue 2018-19** **CS Advisor:**

**Bachelor of Science in Computer Science**

**Student:**

| *Course # Description* | *Course Credits* | *Credits Earned* | Grade |
|---|---|---|---|
| **Required Courses** | | | |
| CS 21 Programming I | 3 | | |
| CS 50 Sem for new CS majors* | 1 | | |
| CS 64 Discrete Structures | 3 | | |
| CS 110 Intermediate Prog. | 4 | | |
| CS 120 Advanced Programming | 3 | | |
| CS 121 Computer Org | 3 | | |
| CS 124 Data Structures | 3 | | |
| CS 125 Computability & Cmplxty | 3 | | |
| CS 201 Operating Sys | 3 | | |
| CS 224 Algorithm Design + Analysis | 3 | | |
| CS 292 Senior Seminar | 1 | | |
| **CS Electives** | | | |
| CS ≥ 0xx | 3 | | |
| CS ≥ 1xx | 3 | | |
| CS ≥ 1xx | 3 | | |
| CS ≥ 2xx | 3 | | |
| CS ≥ 2xx | 3 | | |
| CS ≥ 2xx | 3 | | |
| CS ≥ 2xx | 3 | | |
| **Subtotal CS (min 50, max 60):** | | | |
| Math 21 Calc I | 4 | | |
| Math 22 Calc II | 4 | | |
| STAT 143 Statistics for Engineers | 3 | | |
| STAT 151 or CS 128 | 3 | | |
| **Select two of the following:** | | | |
| Math 121 Calc III | 4 | | |
| Math 122 or 124 Linear Algebra | 3 | | |
| Math 173 Combinatorial Theory | 3 | | |
| Math 271 Appl M Eng/Sci | 3 | | |
| **Subtotal Math & Stat (min 20):** | | | |
| Natural Science | 3 | | |
| Natural Science w/lab | 4 | | |
| **Subtotal Natural Science (min 7):** | | | |

| *Course # Description* | *Credits Earned* | *Satisfies University Requirement?* |
|---|---|---|
| **Elective & Distributional Requirements** | | |
| | *Credits* | *D1/D2/W/S** |
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| **Subtotal:** | | |

| ***Students must also complete the 4 University Req's** | **(indicate above)** |
|---|---|
| D1 diversity | |
| D1 or D2 diversity | |
| W: Writing (e.g., Engl 1) | |
| SU: Sustainability | |

*CS 50 is recommended for new majors taking CS 21 or 110, but is not required.
- Students must achieve a minimum GPA of 2.0 in all courses with a CS prefix. The minimum 2.0 GPA also includes courses without a CS prefix that are substituted for a CS course requirement.
- Grade of C- or higher required in CS 021 and CS 110.
- Natural Science Requirements are as defined by CAS.

## Credit Summary

| | |
|---|---|
| Left column credits (77 min): | |
| **Total Credits Required (120 min)** | |