

# Software Development B.S. Degree — Requirements 2022-23

See [handbook.cs.utah.edu](http://handbook.cs.utah.edu) for complete details and additional restrictions.

Questions? Contact an SoC Academic Advisor: [book appointment](#) or [ugrad-help@cs.utah.edu](mailto:ugrad-help@cs.utah.edu).

| Course                             | Title               | Credits | Designation | Notes | Planned Semester |                          |  |
|------------------------------------|---------------------|---------|-------------|-------|------------------|--------------------------|--|
| GENERAL EDUCATION                  | WRTG 2010           | 3       | WR2         | †     | _____            |                          |  |
|                                    | WRTG 3014 or 3015   | 3       | CW          | †     | _____            | DV                       | IR   |
|                                    | _____               | 3       | AI          | †     | _____            | choose 1                 | choose 1   |
|                                    | _____               | 3       | FF          | †◁    | _____            | <input type="checkbox"/> | <input type="checkbox"/>   |
|                                    | _____               | 3       | FF          | †◁    | _____            | <input type="checkbox"/> | <input type="checkbox"/>   |
|                                    | _____               | 3       | HF          | †◁    | _____            | <input type="checkbox"/> | <input type="checkbox"/>   |
|                                    | _____               | 3       | HF          | †◁    | _____            | <input type="checkbox"/> | <input type="checkbox"/>   |
|                                    | _____               | 3       | BF          | †◁    | _____            | <input type="checkbox"/> | <input type="checkbox"/>   |
|                                    | _____               | 3       | BF          | †◁    | _____            | <input type="checkbox"/> | <input type="checkbox"/>   |
|                                    | _____               | 3       | QI          | †◁    | _____            |                          |  |
| PRE-MAJOR                          | CS 1030             | 3       |             |       | _____            | †                        | Honors options available see <a href="http://honors.utah.edu">honors.utah.edu</a>  |
|                                    | CS 1400             | 4       |             | ⊖     | _____            |                          |  |
|                                    | CS 1410             | 4       |             | ⊖     | _____            |                          |  |
|                                    | CS 2420             | 4       |             |       | _____            | ◁                        | 4 credit options accepted  |
|                                    | MATH 1210           | 4       | QR          | ★†    | _____            | ★                        | Engineering Calculus, MATH 1310 also accepted  |
| <b>MATH/SCIENCE ELECTIVES</b>      |                     |         |             |       |                  |                          |  |
| _____                              | _____               | 3       |             | *†◁   | _____            | *†                       | Fill in with math, science, or engineering courses that have MATH 1210 as pre- or co-requisite. CS 2100, BIOL 1610, and CHEM 1210 also accepted — see <a href="http://handbook.cs.utah.edu">handbook.cs.utah.edu</a> for choice restrictions |
| _____                              | _____               | 3       |             | *†◁   | _____            | *†                       |  |
| SD REQUIREMENTS                    | DS 2500             | 3       |             |       | _____            |                          |  |
|                                    | CS 3090             | 3       |             |       | _____            |                          |  |
|                                    | CS 3500             | 4       |             |       | _____            |                          |  |
|                                    | CS 3550             | 3       |             |       | _____            |                          |  |
|                                    | CS 3505             | 3       |             |       | _____            |                          |  |
|                                    | CS 3540             | 3       |             |       | _____            | ▽                        | Design, management, and entrepreneurship electives. See <a href="http://handbook.cs.utah.edu">handbook.cs.utah.edu</a> for choice restrictions   |
|                                    | CS 4440             | 3       |             |       | _____            |                          |  |
|                                    | CS 4530             | 3       |             |       | _____            |                          |  |
|                                    | CS 4550             | 3       |             |       | _____            |                          |  |
|                                    | CS 4011             | 1       |             |       | _____            | ⊖                        | CS 1420 may be taken in place of CS 1400 and CS 1410 as an accelerated option  |
| CS 5530                            | 3                   |         |             | _____ |                  |                          |  |
| ELECTIVES                          | CS _____            | 3       |             | ★◁    | _____            | ★                        | Fill in with 3000+ level CS courses — see <a href="http://handbook.cs.utah.edu">handbook.cs.utah.edu</a> for choice restrictions and alternatives  |
|                                    | CS _____            | 3       |             | ★◁    | _____            |                          |  |
|                                    | CS _____            | 3       |             | ★◁    | _____            |                          |  |
|                                    | CS _____            | 3       |             | ★◁    | _____            |                          |  |
| <b>DESIGN/MANAGEMENT/ENTP</b>      |                     |         |             |       |                  |                          |  |
| _____                              | _____               | 3       |             | ▽◁    | _____            | †                        | Students pursuing Honors and choosing Project must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis Work  |
| _____                              | _____               | 3       |             | ▽◁    | _____            |                          |  |
| <b>SENIOR CAPSTONE REQUIREMENT</b> |                     |         |             |       |                  |                          |  |
| CS 4000                            | Sr Capstone Design  | 3       |             |       | _____            | ⊗                        | Minimum 122 credits required for graduation  |
| CS 4500                            | Sr Capstone Project | 3       |             | ‡     | _____            |                          |  |

114 total credits<sup>Ⓢ</sup>