

# B.S. in Software Development 2024-25

For students starting with CS 1400 and College Algebra

Year 1		Year 2		Year 3		Year 4	
Fall (17)	Spring (13)	Fall (14)	Spring (13)	Fall (15)	Spring (12)	Fall (15)	Spring (13)
<b>CS 1400</b> Intro to Comp Programming 4 FA/SP	<b>CS 1410</b> Intro to Object Oriented Prog 4 FA/SP	<b>CS 2420</b> Intro Algorithms & Data Structures 4 FA/SP/SU	<b>CS 3500</b> Software Practice 1 4 FA/SP	<b>CS 3505</b> Software Practice 2 3 FA/SP	<b>CS 4530</b> Mobile App Programming 3 Varies	<b>CS 4000</b> Senior Capstone Design 3 FA/SP	<b>CS 4500</b> <sup>Ⓒ</sup> Senior Capstone Project 3 FA/SP
<b>MATH 1050</b> College Algebra 4 FA/SP/SU	<b>MATH 1060</b> Trigonometry 3 FA/SP/SU	<b>MATH 1210</b> Calculus 1 4 FA/SP/SU	<b>CS 3090</b> Ethics in Computing 3 SP	<b>CS 3550</b> Web Software 1 3 FA	<b>CS 4550</b> Web Software 2 3 SP	<b>CS Elective (QI)</b> 3 FA/SP	<b>CS 5530</b> Database Systems 3 SP
<b>General Education (WRTG 2010)</b> 3 FA/SP/SU	<b>CS 1810</b> Intro to Computing Systems 3 SP	<b>Des/Mgt/Ent Elective</b> 3 FA/SP/SU	<b>DS 2500</b> Data Wrangling 3 SP	<b>CS 3540</b> Human-Centered Experiences 3 FA	<b>CS 4440</b> Computer Security 3 SP	<b>CS Elective</b> 3 FA/SP	<b>CS Elective</b> 3 FA/SP
<b>General Education (AI)</b> 3 FA/SP/SU	<b>General Education (HF)</b> 3 FA/SP/SU	<b>General Education (FF)</b> 3 FA/SP/SU	<b>General Education (BF)</b> 3 FA/SP/SU	<b>Des/Mgt/Ent Elective</b> 3 FA/SP/SU	<b>CS Elective</b> Could be moved to summer as an internship 3 FA/SP	<b>Math/Science Elective</b> 3 FA/SP/SU	<b>CS 4011</b> Professional Development 1 SP
<b>General Education (LS)</b> 3 FA/SP/SU	<ul style="list-style-type: none"> <li>▪ Fill in with math, science, or engineering courses that have MATH 1210 as pre- or co-requisite. CS 2100, BIOL 1610, CHEM 1210, and PHYS 2010 also accepted--see handbook.cs.utah.edu for choice restrictions.</li> <li>Ⓒ Students pursuing Honors and choosing the project must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis</li> <li>Ⓞ Fill in with 3000+ level CS courses--see handbook.cs.utah.edu</li> <li>* For Des/Mgt/Ent electives--see handbook.cs.utah.edu</li> <li>↔ DV &amp; IR requirements can be combined with HF/FF/BF/LS/PS electives</li> <li>✓ Honors options available</li> </ul>		<p>Ready to apply to the program? Access the application link located in the Student Handbook!</p>		<b>WRTG 3014 or 3015</b> Scientific or Professional Writing 3 FA/SP/SU <small>*pre-req WRTG 2010*</small>	<b>General Education (PS)</b> 3 FA/SP/SU	<b>Math/Science Elective</b> 3 FA/SP/SU

112 credit hours total  
\*122 credit hours required for\*  
\*graduation\*

**gray** = Pre-Major Courses

# B.S. in Software Development 2024-25

For students starting with CS 1420 and Calculus 1

Year 1		Year 2		Year 3		Year 4	
Fall (14)	Spring (13)	Fall (13)	Spring (12)	Fall (12)	Spring (12)	Fall (12)	Spring (13)
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>CS 1420</b>                      Accel Object Oriented Prog                      4 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>CS 2420</b>                      Intro Algorithms &amp; Data Structures                      4 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 3500</b>                      Software Practice 1                      4 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 3505</b>                      Data Wrangling                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 3550</b>                      Web Software 1                      3 FA                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 4550</b>                      Web Software 2                      3 SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 4000</b>                      Senior Capstone Design                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 4500</b> <sup>Ⓒ</sup>                      Senior Capstone Project                      3 FA/SP                 </div>
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;">                     co-reqs  <b>MATH 1210</b> ✓                      Calculus 1                      4 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>CS 1810</b>                      Intro to Computing Systems                      3 SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 3540</b>                      Human Centered Experiences                      3 FA                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 3090</b>                      Ethics in Computing                      3 SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 4440</b>                      Computer Security                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 4530</b>                      Mobile App Programming                      3 Varies                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS Elective</b> *                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 4011</b>                      Professional Development                      1 SP                 </div>
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>General Education (WRTG 2010)</b> ✓                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>Math/Science Elective</b> ✓▪                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>Math/Science Elective</b> ✓▪                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>DS 2500</b>                      Data Wrangling                      3 SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS Elective</b> *                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS Elective</b> *                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS Elective</b> *                      3 FA/SP                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>CS 5530</b>                      Database Systems                      3 SP                 </div>
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>General Education (HF)</b> ✓⚡                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #e0e0e0;"> <b>General Education (FF)</b> ✓⚡                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>General Education (AI)</b> ✓                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>Des/Mgt/Ent Elective</b> Ⓞ                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;">                     *pre-req WRTG 2010*  <b>WRTG 3014 or 3015</b> ✓                      Scientific or Professional Writing                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>General Education (BF)</b> ✓⚡                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>General Education (LS)</b> ✓⚡                      3 FA/SP/SU                 </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>Des/Mgt/Ent Elective</b> Ⓞ                      3 FA/SP/SU                 </div>
							<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> <b>General Education (PS)</b> ✓⚡                      3 FA/SP/SU                 </div>

Ready to apply to the program? Access the application link located in the Student Handbook!

gray = Pre-Major Courses

- Any class in math/science/engineering with MATH 1210 as a pre or co-requisite allowed. CS 2100, BIOL 1610, CHEM 1210, and PHYS 2010 also accepted
- Ⓞ See <https://handbook.cs.utah.edu> for Des/Mgt/Ent elective options
- \* See <https://handbook.cs.utah.edu> for CS elective options
- ⚡ DV and IR requirements can be combined with HF/FF/BF/LS/PS electives
- Ⓒ Students pursuing Honors must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis Work
- ✓ Honors options available

101 credit hours total  
 \*122 credit hours required for\*  
 \*graduation\*