Bachelor of Science in Computer & Information Technology - Web Design & Development Emphasis

Program Curriculum
120 credits

DSU General Education Requirements
All DSU General Education requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to DSU's minimum General Education standards in American Institutions, English, and Mathematics.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Core Requirements</strong> (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
<td></td>
<td>18</td>
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<tr>
<td>English</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>American Institutions</td>
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<tr>
<td>Life Sciences</td>
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<td>Physical Sciences</td>
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<td>Laboratory Science</td>
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<tr>
<td>Fine Arts</td>
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<tr>
<td>Literature/Humanities</td>
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<td>3</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td></td>
<td>3</td>
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<tr>
<td>Exploration</td>
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<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td><strong>Core Discipline Requirements</strong></td>
<td></td>
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</tr>
<tr>
<td>CS 1400</td>
<td>Fundamentals of Programming</td>
<td>3</td>
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<tr>
<td>CS 1410</td>
<td>Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>DES 1300</td>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>DES 2100</td>
<td>Design Thinking</td>
<td>3</td>
</tr>
<tr>
<td>DES 2300</td>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>DES 2710</td>
<td>Typography I</td>
<td>3</td>
</tr>
<tr>
<td>DES 3500</td>
<td>Interface Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3010</td>
<td>Business Communication and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>IT 1100</td>
<td>Introduction to Unix/Linux</td>
<td>3</td>
</tr>
<tr>
<td>IT 2400</td>
<td>Intro to Networking</td>
<td>3</td>
</tr>
<tr>
<td>IT 4200</td>
<td>DevOps Lifecycle Management</td>
<td>3</td>
</tr>
<tr>
<td>IT 4300</td>
<td>Database Design &amp; Management</td>
<td>3</td>
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<tr>
<td>MATH 1100 or MATH 1210</td>
<td>Business Calculus (MA)</td>
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<tr>
<td>WEB 1400</td>
<td>Web Design I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>WEB 3200</td>
<td>Web Application Development I</td>
<td>3</td>
</tr>
<tr>
<td>WEB 3400</td>
<td>Web Design II: Essentials</td>
<td>3</td>
</tr>
<tr>
<td>WEB 3500</td>
<td>Electronic Commerce</td>
<td>3</td>
</tr>
<tr>
<td>WEB 3550</td>
<td>Internet &amp; eCommerce Marketing</td>
<td>3</td>
</tr>
<tr>
<td>WEB 4200</td>
<td>Web Application Development II</td>
<td>3</td>
</tr>
<tr>
<td>WEB 4400</td>
<td>Web Design III: Advanced Techniques</td>
<td>3</td>
</tr>
<tr>
<td>WEB 4600</td>
<td>Senior Project</td>
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**Discipline Electives Requirements**
Complete 15 credits from the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 2060</td>
<td>Digital Photography</td>
<td>3</td>
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</table>
Bachelor of Science in Computer & Information Technology - Web Design & Development Emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 2420</td>
<td>Introduction to Algorithms and Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 2450</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 3005</td>
<td>Programming in C++</td>
<td>3</td>
</tr>
<tr>
<td>CS 3010</td>
<td>Mobile Application Development for Android</td>
<td>3</td>
</tr>
<tr>
<td>CS 3020</td>
<td>Mobile Application Development: iOS</td>
<td>3</td>
</tr>
<tr>
<td>CS 3500</td>
<td>Application Development</td>
<td>3</td>
</tr>
<tr>
<td>DES 3300</td>
<td>Intro to Digital Video Editing</td>
<td>3</td>
</tr>
<tr>
<td>DES 3400</td>
<td>Information Design</td>
<td>3</td>
</tr>
<tr>
<td>DES 3800</td>
<td>Branding</td>
<td>3</td>
</tr>
<tr>
<td>DES 4100</td>
<td>Interaction Design</td>
<td>3</td>
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<tr>
<td>IT 3100</td>
<td>Systems Design and Administration I</td>
<td>3</td>
</tr>
<tr>
<td>IT 3110</td>
<td>System Automation</td>
<td>3</td>
</tr>
<tr>
<td>IT 4400</td>
<td>Network Design &amp; Management</td>
<td>3</td>
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<tr>
<td>IT 4500</td>
<td>Information Security</td>
<td>3</td>
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<tr>
<td>WEB 3450</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>WEB 4900R</td>
<td>Independent Research</td>
<td>1-3</td>
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<tr>
<td>WEB 4920</td>
<td>Internship</td>
<td>3</td>
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<tr>
<td>WEB 4990</td>
<td>Seminar in Web Development</td>
<td>3</td>
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</table>

NOTE: A course may only be used to fulfill one program requirement. Dual-listed courses may only be used once to fill requirements. Consult course descriptions in the current catalog to verify dual-listed courses.

Graduation Requirements

1. Complete a minimum of 120 college-level credits (1000 and above).
2. Complete at least 40 upper-division credits (3000 and above).
3. Complete at least 30 upper-division credits at DSU for institutional residency.
4. Cumulative GPA 2.0 or higher.
5. Grade C- or higher in each Core Discipline and Elective Requirement course.

Graduation Plan

**Course**  
**Title**  
**Hours**

1st Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester</td>
<td></td>
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<tr>
<td>First Year Recommended Elective</td>
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</tr>
<tr>
<td>DES 1300</td>
<td>Design I</td>
<td>2</td>
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<tr>
<td>WEB 1400</td>
<td>Web Design I: Fundamentals</td>
<td>3</td>
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<tr>
<td>ENGL 1010 or ENGL 1010D</td>
<td>Introduction to Writing (EN) or Introduction to Writing (EN)</td>
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<tr>
<td>MATH 1100</td>
<td>Business Calculus (MA) (meets General Education (Mathematics)) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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<tr>
<td>General Elective</td>
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Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 1400</td>
<td>Fundamentals of Programming</td>
<td>3</td>
</tr>
<tr>
<td>DES 2300</td>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>IT 1100</td>
<td>Introduction to Unix/Linux</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>Interim Writing Selected Topics: (EN)</td>
<td>3</td>
</tr>
<tr>
<td>General Education (Social &amp; Behavioral Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.
### 2nd Year

#### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CS 1410</td>
<td>Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>IT 2400</td>
<td>Intro to Networking</td>
<td>3</td>
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<tr>
<td>WEB 3400</td>
<td>Web Design II: Essentials</td>
<td>3</td>
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<tr>
<td></td>
<td>General Education (American Institutions) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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<td>General Education (Fine Arts) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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**Milestones & Notes:** Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.

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#### Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DES 2710</td>
<td>Typography I</td>
<td>3</td>
</tr>
<tr>
<td>IT 4300</td>
<td>Database Design &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>WEB Elective Upper Division</td>
<td></td>
<td>3</td>
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<tr>
<td>WEB Elective: Upper Division</td>
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<tr>
<td></td>
<td>General Education (Literature/Humanities) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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**Milestones & Notes:** Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.

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### 3rd Year

#### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DES 2100</td>
<td>Design Thinking</td>
<td>3</td>
</tr>
<tr>
<td>WEB 3200</td>
<td>Web Application Development I</td>
<td>3</td>
</tr>
<tr>
<td>WEB 3550</td>
<td>Internet &amp; eCommerce Marketing</td>
<td>3</td>
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<tr>
<td></td>
<td>General Education (Life Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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<td>General Education (Physical Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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<td>General Education (Lab Science) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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**Milestones & Notes:** Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.

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#### Spring Semester

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DES 3500</td>
<td>Interface Design</td>
<td>3</td>
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<tr>
<td>ENGL 3010</td>
<td>Business Communication and Ethics</td>
<td>3</td>
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<tr>
<td>IT 4200</td>
<td>DevOps Lifecycle Management</td>
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</tr>
<tr>
<td>WEB 4200</td>
<td>Web Application Development II</td>
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<tr>
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<td>General Education (Exploration) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)</td>
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**Milestones & Notes:** Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.

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### 4th Year

#### Fall Semester

<table>
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<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>WEB 3500</td>
<td>Electronic Commerce</td>
<td>3</td>
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<tr>
<td>WEB 4400</td>
<td>Web Design III: Advanced Techniques</td>
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<td>WEB Elective Upper Division</td>
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<td>WEB Elective</td>
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<tr>
<td>General Elective</td>
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**Milestones & Notes:** Apply for graduation (SPRING DEADLINE NOV. 1, FALL DEADLINE APR. 1). Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.

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#### Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>WEB 4600</td>
<td>Senior Project</td>
<td>3</td>
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<tr>
<td>WEB Elective</td>
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<td>3</td>
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<tr>
<td>WEB Elective</td>
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<td>3</td>
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<tr>
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<tr>
<td>General Elective</td>
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</table>
Milestones & Notes: Double check with advisor for final classes. Maintain minimum program grade requirements. Congratulations!

<table>
<thead>
<tr>
<th>Hours</th>
<th>14</th>
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<tbody>
<tr>
<td>Total Hours</td>
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