2022 - 2023 Major Map  
Graphic Information Technology (Full-Stack Web Development), BS  
School/College: Ira A. Fulton Schools of Engineering  
Location: Online, ASU Local  
ESGITFSWBS

<table>
<thead>
<tr>
<th>Term 1 - A 0 - 7 Credit Hours</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering</td>
<td>1</td>
<td></td>
<td>• ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>GIT 135: Graphic Communications</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>7</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 1 - B 7 - 16 Credit Hours</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 210: Creative Thinking and Design Visualization</td>
<td>3</td>
<td></td>
<td>• View ASU Online first-year student registration information here.</td>
</tr>
<tr>
<td>MAT 117: College Algebra (MA)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Historical Awareness (H)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 2 - A 16 - 25 Credit Hours</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 230: Digital Illustration in Publishing</td>
<td>3</td>
<td>C</td>
<td>• Create a Handshake profile.</td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.</td>
</tr>
<tr>
<td>HSE 101: Introduction to Human Systems Engineering (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 2 - B 25 - 32 Credit Hours</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 250: Introduction to Commercial Print</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 3 - A 32 - 42 Credit Hours</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFT 101: Information Technology Programming Logic</td>
<td>3</td>
<td>C</td>
<td>• Prep for success using the Sophomore Guide.</td>
</tr>
<tr>
<td>TMC 110: Understanding the Enterprise</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science - General (SG) OR Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Term 3 - B 42 - 48 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer/Statistics/Quantitative Applications (CS)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Global Awareness (G)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete GIT 135 AND GIT 210 course(s).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete Mathematics (MA) requirement.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 10

Term 4 - A 48 - 54 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 215: Introduction to Web Authoring</td>
<td>3</td>
<td>C</td>
<td>Pursue an undergraduate research experience.</td>
</tr>
<tr>
<td>IFT 200: Information Modeling, Storage and Retrieval</td>
<td>3</td>
<td>C</td>
<td>Apply for internships.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Attend career fairs and events.</td>
</tr>
</tbody>
</table>

Term hours subtotal: 6

Term 4 - B 54 - 63 Credit Hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literacy and Critical Inquiry (L)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 9

Term 5 - A 63 - 72 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 303: Digital Publishing</td>
<td>3</td>
<td>C</td>
<td>Network at student organization competitions or professional societies.</td>
</tr>
</tbody>
</table>

Term hours subtotal: 9

Term 5 - B 72 - 78 Credit Hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 315: Digital Video Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GIT 384: Commercial Photography</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 6

Term 6 - A 78 - 84 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIT 314: Multimedia Design, Planning and Storyboards</td>
<td>3</td>
<td></td>
<td>Thinking about graduate school?</td>
</tr>
<tr>
<td>GIT 414: Web Site Design and Internet/Web Technologies</td>
<td>3</td>
<td></td>
<td>Consider registering for a grad school test prep course.</td>
</tr>
</tbody>
</table>

Term hours subtotal: 6

Term 6 - B 84 - 93 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFT 458: Middleware Programming and Database Security</td>
<td>3</td>
<td>C</td>
<td>Develop a professional profile online.</td>
</tr>
</tbody>
</table>

Term hours subtotal: 9

Term 7 - A 93 - 102 Credit Hours

| Minimum | | | |

Term hours subtotal: 6
**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>• Plan for success using the Senior Guide. • Use Handshake to apply for full-time positions.</td>
</tr>
</tbody>
</table>

**Term 7 - B 102 - 108 Credit Hours**

- Upper Division Full-Stack Elective
- Upper Division Literacy and Critical Inquiry (L)

**Term hours subtotal:** 9

**Term 8 - A 108 - 114 Credit Hours**

- GIT 418: Multimedia Authoring, Scripting and Production
- GIT 432: Graphic Industry Business Practices

**Term hours subtotal:** 6

**Term 8 - B 114 - 120 Credit Hours** Necessary course signified by

- GIT 413: Professional Portfolio Design and Presentation
- Elective

**Term hours subtotal:** 6

**Hide Course List(s)/Track Group(s)**

- Full-Stack Elective
- GIT 340: Information Design and Usability
- GIT 435: Website and E-Commerce Strategies
- IFT 300: Intermediate Database Management Systems
- IFT 365: Applied Programming Language for Information Technology
- IFT 494: Appl Multi Tier End to End Application Development

**Notes:**

- General University Requirements Legend

**General Studies Core Requirements:**

- Literacy and Critical Inquiry (L)
General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2022 - 2023 academic year.