# 2022 - 2023 Major Map

## Graphic Information Technology (Full-Stack Web Development), BS

**School/College:** Ira A. Fulton Schools of Engineering  
**Location:** Polytechnic campus  
**ESGITFSWBS**

## Term 1  
**0 - 16 Credit Hours**

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering | 1     |               | • 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.  
• Prep for success using the First-Year Student Guide.  
• Join a Fulton community.  
• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3     | C             |       |
| GIT 135: Graphic Communications | 3     |               |       |
| GIT 210: Creative Thinking and Design Visualization | 3     |               |       |
| MAT 117: College Algebra (MA) | 3     | C             |       |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3     |               |       |

**Term hours subtotal:** 16

## Term 2  
**16 - 32 Credit Hours**

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
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<th>Notes</th>
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</table>
| GIT 230: Digital Illustration in Publishing | 3     | C             | • Create a Handshake profile.  
• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3     | C             |       |
| GIT 250: Introduction to Commercial Print | 3     |               |       |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3     | C             |       |
| Natural Science - Quantitative (SQ) | 4     |               |       |
| Complete GIT 101 OR ENG 105 OR ENG 107 course(s). |       |               |       |

**Term hours subtotal:** 16

## Term 3  
**32 - 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>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>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>Natural Science - General (SG) OR Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete GIT 135 AND GIT 210 course(s).</td>
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<tr>
<td>Complete Mathematics (MA) requirement.</td>
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</tbody>
</table>

**Term hours subtotal:** 16

## Term 4  
**48 - 63 Credit Hours**

<table>
<thead>
<tr>
<th>Critical course signified by</th>
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<th>Minimum Grade</th>
<th>Notes</th>
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</table>
* GIT 215: Introduction to Web Authoring  
  IFT 200: Information Modeling, Storage and Retrieval  
  Literacy and Critical Inquiry (L)  
  Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)  
  Elective  

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by  

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| GIT 337: Web Content Design  
  GIT 303: Digital Publishing  
  GIT 315: Digital Video Techniques  
  GIT 384: Commercial Photography  
  IFT 210: Introduction to Java Technologies  

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours Necessary course signified by  

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>
| GIT 314: Multimedia Design, Planning and Storyboards  
  GIT 414: Web Site Design and Internet/Web Technologies  
  IFT 458: Middleware Programming and Database Security  
  TWC 451: Copyright and Intellectual Property in the Electronic Age  
  Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)  

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).  

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours Necessary course signified by  

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
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</thead>
</table>
| GIT 450: Digital Workflow in Graphic Industries  
  GIT 417: Advanced Web Markup and Scripting  
  GIT 480: Senior Project  
  Upper Division Full-Stack Elective  
  Upper Division Literacy and Critical Inquiry (L)  

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by  

<table>
<thead>
<tr>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| GIT 413: Professional Portfolio Design and Presentation  
  GIT 418: Multimedia Authoring, Scripting and Production  
  GIT 432: Graphic Industry Business Practices  
  Elective  

Term hours subtotal: 12

• Pursue an undergraduate research experience.  
• Apply for internships.  
• Attend career fairs and events.

• Plan for success using the Junior Guide.  
• Network at student organization competitions or professional societies.

• Thinking about graduate school? Consider registering for a grad school test prep course.  
• Develop a professional profile online.

• Plan for success using the Senior Guide.  
• Use Handshake to apply for full-time positions.

• Complete an in person or virtual practice interview.
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.

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

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.