2021 - 2022 Major Map

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

School/College: Ira A. Fulton Schools of Engineering

ESGITFSWBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ 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.
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	• Prep for success using the First-Year Student Guide.
GIT 135: Graphic Communications	3	C	• Join a Fulton community.
Term hours subtotal:	7		• Explore engineering and technical professions.

Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
GIT 210: Creative Thinking and Design Visualization	3		• View ASU Online first-year student registration information here.
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ GIT 230: Digital Illustration in Publishing	3	C	• Create a Handshake profile.
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	• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 32 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
GIT 250: Introduction to Commercial Print	3		
Natural Science - Quantitative (SQ)	4		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 32 - 42 Credit Hours	Hours	Minimum Grade	Notes
IFT 101: Information Technology Programming Logic	3	C	• Prep for success using the Sophomore Guide.
TMC 110: Understanding the Enterprise	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	10		

		Minimum	

Term 3 - B 42 - 48 Credit Hours Critical course signified by ⚠	Hours	Grade	Notes
HSE 230: Statistics for Human Systems Research I (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
⚠ Complete GIT 135 AND GIT 210 course(s).			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 48 - 54 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ GIT 215: Introduction to Web Authoring	3	C	• Pursue an undergraduate research experience. • Apply for internships. • Attend career fairs and events.
IFT 200: Information Modeling, Storage and Retrieval	3	C	
Term hours subtotal:	6		

Term 4 - B 54 - 63 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L) (HSE 290 recommended)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 63 - 72 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ GIT 337: Web Content Design	3		• Plan for success using the Junior Guide. • Network at student organization competitions or professional societies.
GIT 303: Digital Publishing	3		
IFT 210: Introduction to Java Technologies	3	C	
Term hours subtotal:	9		

Term 5 - B 72 - 78 Credit Hours	Hours	Minimum Grade	Notes
GIT 315: Digital Video Techniques	3		
GIT 384: Commercial Photography	3		
Term hours subtotal:	6		

Term 6 - A 78 - 84 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ GIT 314: Multimedia Design, Planning and Storyboards	3		• Thinking about graduate school? Consider registering for a grad school test prep course. • Develop a professional profile online.
GIT 414: Web Site Design and Internet/Web Technologies	3		
Term hours subtotal:	6		

Term 6 - B 84 - 93 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
IFT 458: Middleware Programming and Database Security	3	C	
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 93 - 102 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes

⭐ GIT 450: Digital Workflow in Graphic Industries	3		• Plan for success using the Senior Guide.
GIT 417: Advanced Web Markup and Scripting	3		• Use Handshake to apply for full-time positions.
GIT 480: Senior Project	3		
Term hours subtotal:	9		

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Full-Stack Elective	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 8 - A 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
GIT 418: Multimedia Authoring, Scripting and Production	3		• Complete an in person or virtual practice interview.
GIT 432: Graphic Industry Business Practices	3		
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ GIT 413: Professional Portfolio Design and Presentation	3		
Elective	3		
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:

- 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.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

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 next to courses on the major map were valid for the 2021 - 2022 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.