2024 - 2025 Major Map

Technical Communication (Data Visualization), BS

School/College: College of Integrative Sciences and Arts
LSTECDVBS

Term 1 0 - 16 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ HSE 101: Introduction to Human Systems Engineering (SOBE OR SB) OR PSY 101: Introduction to Psychology (SOBE OR SB)	3	C	• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.
ASU 101-CLS: The ASU Experience	1		• Select your career interest communities and play me3@ASU.
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	
Governance and Civic Engagement (CIVI)	3		
Mathematics (MATH)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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	• Join a student club or professional organization.
Global Communities, Societies and Individuals (GCSI)	3		
Humanities, Arts and Design (HUAD)	3		
Quantitative Reasoning (QTRS)	3		
Scientific Thinking in Natural Sciences (SCIT)	4		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Concentration Elective Course	3	C	• Secure a part-time job or volunteer experience.
Humanities, Arts and Design (HUAD)	3		
Scientific Thinking in Natural Sciences (SCIT)	4		
Complete 2 courses: Elective	6		
⚠ Complete Mathematics (MATH) requirement.			
Term hours subtotal:	16		

Term 4 48 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Concentration Elective Course	3	C	• Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring
⚠ Related Area Course	3	C	
Sustainability (SUST)	3		
Elective	3		
Term hours subtotal:	12		

(internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.

Term 5 60 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
⭐ TWC 401: Fundamentals of Technical Communication (L)	3	C	
⭐ TWC 411: Principles of Visual Communication (L)	3	C	
TWC 314: Data Visualization Tools and Techniques	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 413: Managing and Analyzing Data	3	C	
TWC 312: Introduction to Visual Culture	3	C	
TWC 421: Principles of Web Authoring (L)	3	C	
TWC 431: Principles of Technical Editing	3	C	
TWC Upper Division Elective	3	C	
Term hours subtotal:	15		

Notes for Term 6:
- Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.
- Use Handshake to research employment opportunities.

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 414: Visualizing Data and Information	3	C	
Upper Division Concentration Elective Course	3	C	
Complete 2 courses: Upper Division Related Area Course	6	C	
American Institutions (AMIT)	3		
Term hours subtotal:	15		

Notes for Term 7:
- Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.
- Gather professional references.
- Apply for full-time career opportunities.

Term 8 105 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 490: Capstone	3	C	
Upper Division Related Area Course	3	C	
TWC 4** Elective	3	C	
TWC Upper Division Elective	3	C	
Elective OR TWC 484: Internship	3		
Term hours subtotal:	15		

Notes for Term 8:
- Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be

selected in consultation with a Technical Communication advisor.

- Students may take no more than 3 credit hours of TWC 484.

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

Concentration Elective Courses
GIT 210: Creative Thinking and Design Visualization
GIT 230: Digital Illustration in Publishing
GIT 402: New Media Internet Technologies
HSE 224: Applied Social Science (SOBE OR SB)
HSE 225: Human Systems Integration
HSE 230: Statistics for Human Systems Research I (QTRS OR CS)
HSE 290: Experimental Methods for Human Systems Research (QTRS OR L)
HSE 324: Applied Cognitive Science (SOBE OR SB)
HSE 390: Qualitative Research Methods (L)
HSE 428: Judgment and Decision Making
MCO 427: Misinformation and Society
MCO 436: Audience Research and Behavior
TWC 214: Storytelling with Data
TWC 436: Project Management in Technical Communication
TWC 445: Content Strategy

- **Total Hours:** 120
- **Upper Division Hours:** 45 minimum
- University Undergraduate Graduation Requirements

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 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.