





















2024 - 2025 Major Map

Technical Communication (Data Visualization), BS

School/College: College of Integrative Sciences and Arts
LSTEC DVBS

Term 1 - A 0 - 7 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	<ul style="list-style-type: none"> ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Select your career interest communities and play me3@ASU.
ASU 101-ONL: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> View ASU Online first-year student registration information here. Join a student club or professional organization.
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MATH)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HUAD)	3		
Quantitative Reasoning (QTRS)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Governance and Civic Engagement (CIVI)	3		
Scientific Thinking in Natural Sciences (SCIT)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> Secure a part-time job or volunteer experience.
Global Communities, Societies and Individuals (GCSI)	3		
Term hours subtotal:	6		
Term 3 - B 32 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HUAD)	3		
Elective	3		
 Complete Mathematics (MATH) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Concentration Elective Course	3	C	
Scientific Thinking in Natural Sciences (SCIT)	4		
Term hours subtotal:	7		
Term 4 - B 45 - 51 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	
Sustainability (SUST)	3		
Term hours subtotal:	6		<ul style="list-style-type: none"> Students must take 12 credits 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: software industry (software engineering); 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.
Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Elective	6		
Term hours subtotal:	6		
Term 5 - B 57 - 63 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
TWC 312: Introduction to Visual Culture	3	C	
Term hours subtotal:	6		
Term 6 - A 63 - 69 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 401: Fundamentals of Technical Communication (L)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 6 - B 69 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 421: Principles of Web Authoring (L)	3	C	
TWC 314: Data Visualization Tools and Techniques	3	C	
Term hours subtotal:	6		<ul style="list-style-type: none"> Use Handshake to research employment opportunities.
Term 7 - A 75 - 81 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 411: Principles of Visual Communication (L)	3	C	
TWC 414: Visualizing Data and Information	3	C	
Term hours subtotal:	6		
Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
TWC 431: Principles of Technical Editing	3	C	
TWC Upper Division Elective	3	C	
Term hours subtotal:	6		
Term 8 - A 87 - 93 Credit Hours Necessary course signified by		Minimum	

★	Hours	Grade	Notes
★ Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> Students must take 12 credits 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: software industry (software engineering); 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.
TWC Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> Students must take 12 credits 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: software industry (software engineering); 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.
Elective OR TWC 484: Internship	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 413: Managing and Analyzing Data	3	C	<ul style="list-style-type: none"> Gather professional references. Apply for full-time career opportunities
American Institutions (AMIT)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Concentration Elective Course	3	C	<ul style="list-style-type: none"> Students must take 12 credits 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: software industry (software engineering); 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.
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
TWC 4** Elective	3	C	<ul style="list-style-type: none"> Students may take no more than 3 credit hours of TWC 484.
Elective OR TWC 484: Internship	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	

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.