2024 - 2025 Major Map

Exploratory Applied Computing, Mathematics and Technology

School/College: New College of Interdisciplinary Arts and Sciences
ASACMTEXPL

Term 1 0 - 16 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ACO 101: Introduction to Computer Science (QTRS OR CS)	3	C	• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 satisfies this requirement. • Select your Career Interest Community and play me3@ASU. • Activate your Handshake account and build out your 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	
MAT 117: College Algebra (MATH OR MA) OR MAT 170: Precalculus (MATH OR MA) OR MAT 210: Brief Calculus (MATH OR MA) OR MAT 251: Calculus for Life Sciences (MATH OR MA) OR MAT 270: Calculus with Analytic Geometry I (MATH OR MA)	3-4	C	
NEW 101: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Social and Behavioral Sciences (SOBE)	3		
Term hours subtotal:	16-17		

Term 2 16 - 31 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ACO 102: Object-Oriented Programming (QTRS OR CS)	3	C	• Create a first draft resume. • Join a student club or professional organization. • Secure a part-time job or volunteer experience.
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	
MAT 210: Brief Calculus (MATH OR MA) OR MAT 251: Calculus for Life Sciences (MATH OR MA) OR MAT 270: Calculus with Analytic Geometry I (MATH OR MA) OR MAT 271: Calculus with Analytic Geometry II (MATH OR MA)	3-4	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Humanities, Arts and Design (HUAD)	3		
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		

Term 3 31 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ACO 201: Data Structures and Algorithms (QTRS OR CS) OR ACO 240: Introduction to Programming Languages OR STP 280: Probability and Statistics for Researchers (QTRS OR CS)	3	C	• Develop your research skills. • Develop your professional skills. • Interested in pre-professional pathways? Explore our pre-health and pre-law websites.
Humanities, Arts and Design (HUAD)	3		
Global Communities, Societies and Individuals (GCSI)	3		
Governance and Civic Engagement (CIVI)	3		
Scientific Thinking in Natural Sciences (SCIT)	4		
❗ Complete First-Year Composition requirement.			

Complete Mathematics (MATH) requirement.	
Milestone: Selection of a major.	

<div align="center">Term hours subtotal: 16</div>

- **Total Hours:** 47
- **Upper Division Hours:** 45 minimum
- University Undergraduate Graduation Requirements

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

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.