





















## 2023 - 2024 Major Map




### Technological Leadership, BS



School/College: The College of Liberal Arts and Sciences  
LATECLDRBS



Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IPI 196: Fundamentals of Inquiry	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Lower Division Making Elective	3	C	<ul style="list-style-type: none"> <li>Students will complete 6 credits of lower division making electives; see Course Lists/Track Groups section to see full list of lower division making course electives. Consult with your academic advisor if you have questions about course learning objectives.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	9		
Term 2 - A 16 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HUL 250: Introduction to Interdisciplinary Research (HU or SB) OR IPI 296: Inquiry (L)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	10		
Term 2 - B 26 - 35 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Lower Division Making Elective	3	C	<ul style="list-style-type: none"> <li>Students will complete 6 credits of lower division making electives; see Course Lists/Track Groups section to see full list of lower division making course electives. Consult with your academic advisor if you have questions about course learning objectives.</li> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		

Summer 2 35 - 44 Credit Hours	Hours	Minimum Grade	Notes
IPI 484: Internship	3	Y	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		
Term 3 - A 44 - 53 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Science and Society Elective	3	C	
Term hours subtotal:	9		
Term 3 - B 53 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Upper Division Making Elective	3	C	<ul style="list-style-type: none"> <li>Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.</li> </ul>
AME 230: Programming for the Media Arts (CS) OR CSE 110: Principles of Programming (CS)	3	C	
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	6		
Term 4 - A 59 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
IPI 400: Fundamentals of Career Success	2	C	
Term hours subtotal:	5		
Term 4 - B 64 - 73 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Upper Division Making Elective	3	C	<ul style="list-style-type: none"> <li>Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.</li> <li>Develop your professional online presence .</li> </ul>
COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	
Upper Division Leadership Elective	3	C	
Term hours subtotal:	9		
Summer 4 73 - 85 Credit Hours	Hours	Minimum Grade	Notes
IPI 484: Internship	6	Y	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	12		
Term 5 - A 85 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
IPI 402: Technological Leadership Career Exploration	1	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 10

Term 5 - B 95 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Making Elective	3	C	<ul style="list-style-type: none"> <li>Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Upper Division Leadership Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	10		

Term 6 - A 105 - 114 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
PSY 302: The Psychology of Positive Leadership	3	C	
Upper Division Leadership Elective	3	C	
Term hours subtotal:	9		

Term 6 - B 114 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Making Elective	3	C	<ul style="list-style-type: none"> <li>Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
  - Selecting Making Electives:** In consultation with an academic advisor, students must select and complete six lower division and 12 upper division "Making" course electives. Students interested in IPI 341 and IPI 441 should plan to enroll in MAT 265 or MAT 270.

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

Lower Division Making (choose 6 credits)	Upper Division Making Electives (choose 12 credits)	Upper Division Leadership Electives (choose 9 credits)
HDA 296: Creative Futures: Studio	HDA 496: Creative Futures: Advanced Studio	FIS 432: Problem Solving Through Strategic Thinking
IPI 241: Designing and Making (Electronics and Programming)	IPI 341: Designing and Making (3D Printing and Fabrication)	LSE 305: Conceptualizing Learning: Theories in Practice
	IPI 441: Designing and Making: Advanced Projects	MGT 380: Management and Strategy for Nonmajors

OGL 300: Theory and Practice of Leadership

OGL 345: Organizational Ethics (HU)

PMG 320: Project Approaches

SOC 334: Technology and Society (L or SB)

WPC 300: Problem Solving and Actionable Analytics

#### 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.

Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**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

**Total College Residency Hrs:** 12 minimum

#### 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 2023 - 2024 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.