










2024 - 2025 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"> ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students. Select your Career Interest Communities and play me3@ASU. |
| 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"> 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. View ASU Online first-year student registration information here. |
| MAT 251: Calculus for Life Sciences (MATH OR MA) OR MAT 265: Calculus for Engineers I (MATH OR MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SOBE OR 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 (SOBE OR 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 | |
| Scientific Thinking in Natural Sciences (SCIT) | 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"> 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. Create a first draft resume. |
| Humanities, Arts and Design (HUAD) | 3 | | |
| American Institutions (AMIT) | 3 | | |
|  Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |
| | | | |
| | | Minimum | |

| Summer 2 35 - 44 Credit Hours | Hours | Grade | Notes |
|--|-------|---------------|--|
| IPI 484: Internship | 3 | Y | |
| Governance and Civic Engagement (CIVI) | 3 | | |
| Humanities, Arts and Design (HUAD) | 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 (QTRS OR 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"> 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. |
| AME 230: Programming for the Media Arts (QTRS OR CS) OR CSE 110: Principles of Programming (QTRS OR CS) | 3 | C | |
| ⚠ Complete Mathematics (MATH) 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"> 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. Develop your professional online presence. |
| COM 225: Public Speaking (CIVI OR L) OR COM 230: Small Group Communication (SOBE OR SB) OR COM 259: Communication in Business and the Professions (CIVI) | 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 | |
| Global Communities, Societies and Individuals (GCSI) | 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 | |
| Sustainability (SUST) | 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"> 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. Use Handshake to research employment opportunities. |
| PHY 111: General Physics (SCIT OR SQ) AND PHY 113: General Physics Laboratory (SCIT OR SQ) | 4 | C | |
| Upper Division Leadership Elective | 3 | C | |
| 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"> 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. Gather professional references. |
| 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 advisors students must select and complete six lower division and 12 upper division Making course credit hours. Students interested in IPI 341 / IPI 441, SES 307 / SES 407 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) |
|---|---|---|
| AME 240: Introduction to Physical Computing | HDA 496: Creative Futures: Advanced Studio | FIS 432: Problem Solving Through Strategic Thinking |
| HDA 296: Creative Futures: Studio | IPI 341: Designing and Making (3D Printing and Fabrication) | LSE 305: Conceptualizing Learning: Theories in Practice |
| IPI 241: Designing and Making (Electronics and Programming) | IPI 441: Designing and Making: Advanced Projects | MGT 380: Management and Strategy |
| | | OGL 300: Theory and Practice of Leadership |

OGI 345: Organizational Ethics (HUAD OR HU)

PMG 320: Project Approaches

SOC 334: Technology and Society (SOBE OR L or SB)

WPC 300: Problem Solving and Actionable Analytics (QTRS)

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

Notes:

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.

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.