## 2021 - 2022 Major Map
### Technological Leadership, BS

**School/College:** The College of Liberal Arts and Sciences  
**Location:** Tempe campus  

### LATECLDRBS

#### Term 1 0 - 16 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition | 3     | C             | Design Pathway Track: complete HDA 296; Spaceworks Pathway Track: complete SES 307; Combination Pathway 1 Track and 2 Track: complete either HDA 296 or AME 240.  
| HDA 296: Creative Futures: Studio OR AME 240: Introduction to Physical Computing OR SES 307: Space Works I | 3     | C             | Students who complete ENG 105 in Term 1 should complete ENG 215 or ENG 216 to complete one of the two "L" General Studies requirements.  
| IPI 296: Inquiry OR HUL 250: Introduction to Interdisciplinary Research (HU) | 3     | C             | Create a first draft resume  
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1     |               | Select your career interest areas and play me3@ASU  
| MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4   | C             |  
| PSY 101: Introduction to Psychology (SB) | 3     | C             |  

**Term hours subtotal:** 16-17

#### Term 2 16 - 32 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>HDA 296: Creative Futures: Studio OR AME 240: Introduction to Physical Computing OR SES 307: Space Works I</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>IPI 296: Inquiry OR HUL 250: Introduction to Interdisciplinary Research (HU)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science - Quantitative (SQ) OR Natural Science - General (SG)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 16

#### Summer 2 32 - 44 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI 484: Internship</td>
<td>6</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Science and Society Elective</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Historical Awareness (H)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 12

#### Term 3 44 - 62 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI 296: Inquiry OR HUL 250: Introduction to Interdisciplinary Research (HU)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 12
1. IPI 496: Advanced Inquiry 3 C
   - AME 230: Programming for the Media Arts (CS) OR CSE 110: Principles of Programming (CS)
   - HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems
   - STP 226: Elements of Statistics (CS)
   - Global Awareness (G)
   - Elective 3 C

Term hours subtotal: 18

Term 4 62 - 78 Credit Hours Critical course signified by ▶

1. IPI 496: Advanced Inquiry 3 C
   - COM 230: Small Group Communication (SB)
   - HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems
   - PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
   - WPC 300: Problem Solving and Actionable Analytics

Term hours subtotal: 16

Summer 4 78 - 90 Credit Hours

1. IPI 484: Internship 6 Y
   - Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)
   - Literacy and Critical Inquiry (L)

Term hours subtotal: 12

Term 5 90 - 105 Credit Hours Necessary course signified by 🌟

1. IPI 496: Advanced Inquiry 3 C
   - HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems
   - PSY 302: The Psychology of Positive Leadership
   - Upper Division Literacy and Critical Inquiry (L)
   - Elective
   - Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s)

Term hours subtotal: 15

Term 6 105 - 120 Credit Hours Necessary course signified by 🌟

1. IPI 496: Advanced Inquiry 3 C
   - FIS 432: Problem Solving Through Strategic Thinking
   - HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems
   - LSE 305: Conceptualizing Learning: Theories in Practice

Term hours subtotal: 15

- Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407; Combination Pathway 1 Track: complete HDA 496; Combination Pathway 2 Track: complete HDA 496 or AME 330 (AME 330 may only be taken one time).
- Develop your skills
- Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407; Combination Pathway 1 Track: complete HDA 496; Combination Pathway 2 Track: complete HDA 496 or AME 330 (AME 330 may only be taken one time).
- Explore an internship
- Use Handshake to research employment opportunities
- Gather professional references

Page 2
• All students pursuing a B.S. or B.S.P. 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.

**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.

<table>
<thead>
<tr>
<th>Design Pathway Track</th>
<th>Spaceworks Pathway Track</th>
<th>Combination Pathway 1 Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students complete two semesters of:</td>
<td>Students complete two semesters of:</td>
<td>Students complete both:</td>
</tr>
<tr>
<td>HDA 296: Creative Futures: Studio</td>
<td>SES 307: Space Works I</td>
<td>HDA 296: Creative Futures: Studio</td>
</tr>
<tr>
<td>Students complete four semesters of:</td>
<td>Students complete four semesters of:</td>
<td>AME 240: Introduction to Physical Computing</td>
</tr>
<tr>
<td>HDA 496: Creative Futures: Advanced Studio</td>
<td>SES 407: Space Works II: Model, Fabricate and Test</td>
<td>Students complete four semesters of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HDA 496: Creative Futures: Advanced Studio</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Combination Pathway 2 Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students complete both:</td>
</tr>
<tr>
<td>HDA 296: Creative Futures: Studio</td>
</tr>
<tr>
<td>AME 240: Introduction to Physical Computing</td>
</tr>
<tr>
<td>Students complete three semesters of:</td>
</tr>
<tr>
<td>HDA 496: Creative Futures: Advanced Studio</td>
</tr>
<tr>
<td>Students complete:</td>
</tr>
<tr>
<td>AME 330: Digital-Physical Systems</td>
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**Notes:**

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- 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

**General University Requirements Legend**

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

**Hrs Resident Credit for Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- 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 on the major map are current for the 2021 - 2022 academic year.