## 2019 - 2020 Major Map

### Technological Entrepreneurship and Management, BS

**School/College:** W. P. Carey School of Business Ira A. Fulton Schools of Engineering  
**Location:** Online  
TSTEM2BS

<table>
<thead>
<tr>
<th>Term 1 - A</th>
<th>0 - 5 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ASU 101-TPS: The ASU Experience</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>• ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</td>
</tr>
<tr>
<td>2. CIS 105: Computer Applications and Information Technology (CS)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</td>
</tr>
<tr>
<td>3. TEM 100: Seminar in Entrepreneurship</td>
<td>1</td>
<td>C</td>
<td></td>
<td></td>
<td>• ASU Mathematics Placement Assessment score determines placement in Mathematics course</td>
</tr>
<tr>
<td><strong>Term hours subtotal:</strong></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>• Prep for success using the Freshman Guide.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 1 - B</th>
<th>5 - 14 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. TMC 110: Understanding the Enterprise</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td>• View ASU Online first-time freshmen registration information here.</td>
</tr>
<tr>
<td>2. ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td>• Create a Sun Devil CareerLink profile.</td>
</tr>
<tr>
<td>3. MAT 210: Brief Calculus (MA)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.</td>
</tr>
<tr>
<td><strong>Term hours subtotal:</strong></td>
<td>9</td>
<td></td>
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<table>
<thead>
<tr>
<th>Term 2 - A</th>
<th>14 - 23 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ECN 211: Macroeconomic Principles (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. MAT 211: Mathematics for Business Analysis</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Term hours subtotal:</strong></td>
<td>9</td>
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<table>
<thead>
<tr>
<th>Term 2 - B</th>
<th>23 - 30 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. TEM 200: My Technology Venture</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td>• Prep for success using the Sophomore Guide.</td>
</tr>
<tr>
<td>2. Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Term hours subtotal:</strong></td>
<td>7</td>
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<table>
<thead>
<tr>
<th>Term 3 - A</th>
<th>30 - 39 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. TEM 230: Creativity and Business Innovation</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. ACC 231: Uses of Accounting Information I</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</td>
<td>3</td>
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<tr>
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Term hours subtotal: 9

<table>
<thead>
<tr>
<th>Term 3 - B 39 - 46 Credit Hours Critical course signified by ⚫</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 212: Microeconomic Principles (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Natural Science - Quantitative (SQ) OR Natural Science - General (SG)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete MAT 210 course(s).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete TEM 100 course(s).</td>
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</tbody>
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Term hours subtotal: 7

<table>
<thead>
<tr>
<th>Term 4 - A 46 - 55 Credit Hours Critical course signified by ⚫</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 221: Business Statistics (CS)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>TEM 250: Design Methodology</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>
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</tbody>
</table>

Term hours subtotal: 9

<table>
<thead>
<tr>
<th>Term 4 - B 55 - 61 Credit Hours</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 241: Uses of Accounting Information II</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3</td>
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</table>

Term hours subtotal: 6

<table>
<thead>
<tr>
<th>Term 5 - A 61 - 70 Credit Hours Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>FIN 300: Fundamentals of Finance</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>FSE 301: Entrepreneurship and Value Creation</td>
<td>3</td>
<td>C</td>
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</tbody>
</table>

Term hours subtotal: 9

<table>
<thead>
<tr>
<th>Term 5 - B 70 - 77 Credit Hours Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>WPC 301: Business Forum</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Upper Division Technical Elective</td>
<td>3</td>
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</tbody>
</table>

Term hours subtotal: 7

<table>
<thead>
<tr>
<th>Term 6 - A 77 - 83 Credit Hours Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMC 320: Funding the Enterprise</td>
<td>3</td>
<td>C</td>
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</tr>
<tr>
<td>Literacy and Critical Inquiry (L)</td>
<td>3</td>
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</tbody>
</table>

Term hours subtotal: 6

<table>
<thead>
<tr>
<th>Term 6 - B 83 - 92 Credit Hours Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEM 431: Innovation Management OR TEM 330: Systems Innovation</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

• Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

• Pursue an undergraduate research experience.
• Apply for internships.
• Attend career fairs and events.

• Plan for success using the Junior Guide.
• Network at student organization competitions or professional societies.

• Research and prepare for graduate school
• Develop a professional profile online.
Students in this program select technical electives consisting of 9 hours of courses (minimum 6 of upper division). Recommended technical elective prefixes are listed below. Additional courses may be available. Please check with your academic advisor.

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### Technical Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCt 300: Global Supply Operations</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>TMC 410: Enterprise Operations</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: **9**

### Term 7 - A 92 - 101 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEM 400: Technology Entrepreneurship</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>TMC 430: Enterprise Strategy and Innovation</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

Term hours subtotal: **9**

### Term 7 - B 101 - 107 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMT 440: Introduction to International Business (G) OR ECN 306: Survey of International Economics (SB &amp; G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing Management (G) OR SCM 463: Global Supply Chain Management (G)</td>
<td>3</td>
<td>C</td>
<td></td>
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</tbody>
</table>

Upper Division Technical Elective

Term hours subtotal: **6**

### Term 8 - A 107 - 113 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>MGT 430: Negotiations</td>
<td>3</td>
<td>C</td>
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</tbody>
</table>

Term hours subtotal: **6**

### Term 8 - B 113 - 120 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LES 305: Business Law and Ethics for Managers</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Upper Division Literacy and Critical Inquiry (L)

Elective

Term hours subtotal: **7**

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- Students in this program select technical electives consisting of 9 hours of courses (minimum 6 of upper division).
- Recommended technical elective prefixes are listed below. Additional courses may be available. Please check with your academic advisor.
General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

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 2019 - 2020 academic year.

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

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)