







2018 - 2019 Major Map




Technological Entrepreneurship and Management, BS

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




ASU is no longer accepting applications for this co-branded program. Students interested in technological entrepreneurship and management should apply to the [Fulton Schools of Engineering program](#).




| Term 1 0 - 14 Credit Hours Critical course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|--|
|  ASU 101-TPS: The ASU Experience | 1 | | <ul style="list-style-type: none"> ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students. An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses ASU Mathematics Placement Assessment score determines placement in mathematics course Prep for success using the Freshman Guide. Join a Fulton community. Explore engineering and technical professions. |
|  TMC 110: Understanding the Enterprise | 3 | C | |
| CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| TEM 100: Seminar in Entrepreneurship | 1 | C | |
| 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 | |
| Term hours subtotal: | 14 | | |



| Term 2 14 - 30 Credit Hours Critical course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|---|
|  TEM 200: My Technology Venture | 3 | C | <ul style="list-style-type: none"> Create a Handshake profile. Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| 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 | |
|  Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |



| Term 3 30 - 46 Credit Hours Critical course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|---|
|  ACC 231: Uses of Accounting Information I | 3 | C | <ul style="list-style-type: none"> Prep for success using the Sophomore Guide. Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, |
|  TEM 230: Creativity and Business Innovation | 3 | C | |

job shadow, do informational interviews and mentor with alumni.





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| ECN 212: Microeconomic Principles (SB) | 3 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
|  Complete ECN 211 AND ECN 212 course(s). | | |
|  Complete TEM 100 course(s). | | |
|  Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |




| Term 4 46 - 62 Credit Hours Critical course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|---|
|  ACC 241: Uses of Accounting Information II | 3 | C | <ul style="list-style-type: none"> Pursue an undergraduate research experience. Apply for internships. Attend career fairs and events. |
|  ECN 221: Business Statistics (CS) | 3 | C | |
| TEM 250: Design Methodology | 3 | C | |
| WPC 301: Business Forum OR TMC 300: Career Management | 1 | C | |
| Focus Area | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by  | Hours | Minimum Grade | Notes |
|--|-------|---------------|---|
|  TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership | 3 | C | <ul style="list-style-type: none"> Plan for success using the Junior Guide. Network at student organization competitions or professional societies. |
| FIN 300: Fundamentals of Finance | 3 | C | |
| FSE 301: Entrepreneurship and Value Creation | 3 | C | |
| TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance | 3 | C | |
| Upper Division Focus Area | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|---|
|  TMC 320: Funding the Enterprise | 3 | C | <ul style="list-style-type: none"> Research and prepare for graduate school. Develop a professional profile online. |
| SCM 300: Global Supply Operations | 3 | C | |
| TEM 431: Innovation Management OR TEM 330: Systems Innovation | 3 | C | |

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|-----------------------------------|----|---|
| TMC 410: Enterprise Operations | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Term hours subtotal: | 15 | |

| Term 7 92 - 107 Credit Hours Necessary course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|---|
|  TEM 400: Technology Entrepreneurship | 3 | C | <ul style="list-style-type: none"> Plan for success using the Senior Guide. Use Handshake to apply for full-time positions. Complete an in-person or practice interview. |
|  TMC 430: Enterprise Strategy and Innovation | 3 | C | |
| AGB 302: International Management and Agribusiness (G) OR ECN 306: Survey of International Economics (SB & G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing Management (G) OR OMT 440: Introduction to International Business (G) OR SCM 463: Global Supply Chain Management (G) | 3 | C | |
| Upper Division Focus Area | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
|  Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by  | Hours | Minimum Grade | Notes |
|---|-------|---------------|-------|
|  TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop | 3 | C | |
|  MGT 430: Negotiations | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 1 | | |
| Term hours subtotal: | 13 | | |

- Students in this program select a primary focus area consisting of 9 hours of focused courses (minimum 6 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.

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

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| Focus Area: Innovation & Operations Management |
| OMT 343: Occupational Safety and Ergonomics |

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|-------------------------------------|
| Focus Area: Social Entrepreneurship |
| TEM 294: Social Entrepreneurship I |
| TEM 311: Opportunity Analysis |
| TEM 330: Systems Innovation |

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|---|--|
| OMT 452: Industrial Human Resource Management | TEM 394: Social Entrepreneurship II |
| OMT 480: Organizational Effectiveness | TEM 431: Innovation Management |
| TEM 311: Opportunity Analysis | TEM 450: Design for the Developing World |
| TEM 330: Systems Innovation | TEM 481: Consulting Project |
| TEM 431: Innovation Management | TEM 482: Startup Workshop |
| TEM 481: Consulting Project | AGB Upper Division Elective |
| TEM 482: Startup Workshop | TMC 480: Senior Project |
| TMC 470: Enterprise Planning and Implementation | |
| TMC 480: Senior Project | |

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)

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 2018 - 2019 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.