Arizona State University  
IRA A. FULTON SCHOOLS OF ENGINEERING  
The Polytechnic School

Master of Science in Technology (MSTech)  
Concentration: Global Technology Entrepreneurship (GTE)

Study at: Polytechnic campus  
TSGEMSTECH

Program Description

Degree Awarded: MS Technology in Global Technology Entrepreneurship (MSTech GTE)

Learn to manage technology for human advantage! Companies and organizations innovate, adopt, use and manage technology to gain and retain a competitive advantage. In the Global Technology Entrepreneurship program, you will learn to utilize agility and adaptability to the global competitive environment to effectively implement company and organizational strategies. Accelerate innovation, and advance knowledge and entrepreneurship in order to create value by identifying opportunities, threats, strengths and weaknesses. This program will allow you to explore a number of topic areas such as:

- Development, management and execution of lean process projects
- Analysis and modeling of complex systems
- Global strategy
- Analysis of complex decision problems
- Entrepreneurial decision making
- Open innovation
- Project management.

As a graduate of the MS TECH in Global Technology Entrepreneurship (GTE), you will be prepared for entrepreneurial and intrapreneurial roles in global technology driven organizations (private, public, as well as start-ups and SMEs). You will add value to any organization with your ability to develop, conduct and manage innovation, lean, complex systems and strategy projects, and will offer a unique foundation to help address global competitive challenges in the fields of manufacturing, supply chain, healthcare, transportation, defense, telecommunications, public utilities, and government. Prefer to start your own company? As a GTE graduate you are prepared for that too! You will possess skills in research and have the ability to apply those skills in practice; you will have the advantage of project-based, experiential learning used in all face-to-face, hybrid and online courses.

Degree Requirements

The M.S. TECH in GTE program requires 33 credit hours, including an applied project.

You may substitute up to six credit hours with approved courses from a global partner university, or as part of an approved global experience. You may select elective courses from other majors and other degree programs of ASU upon approval of your faculty advisor. As a student you will work with faculty to design a program of study tailored to your background and interests.
Program requires the following
33 credit hours including the required applied project course (TMC 593).

Core Courses
Each student is required to select the following core course (9 credit hours).

OMT 504 Law and Ethics for Technical Professionals
OMT 520 Strategic Management of Technology
OMT 549 Research Techniques and Applications

Concentration Courses
Select five courses (15 credit hours).

TEM 505 Lean Process Improvement
TEM 531 Disruptive Innovation and Technological Evolution (“Open innovation”)
TEM 532 Advanced Analysis of Systems
OMT 548 Statistical Methods for Research
TEM 555 Global Impact Entrepreneurship
OMT 560 Managerial Decision Making
OMT 570 Advanced Project Management
TEM 598 Special Topics (3-6 credits); For example: Lean Six Sigma Green Belt (Theory (3)); Practice (3))

Applied Project
TEM 593 Applied Project

Elective Courses
Select one to two elective courses (6 credit hours) from approved graduate offerings.

Admission Requirements

1. An appropriate technical, science or business baccalaureate degree from an accredited college or university
2. An online Graduate Education application
3. A minimum of 30 credit hours in technology, science and mathematics or their equivalents, with a grade “C” or better in each course.
4. Completion of a college level statistics course with a grade “B” or better.
5. Completion of a college level technical writing and communications course with a grade “B” or better.
6. A minimum undergraduate GPA of 3.0 on a 4.0 point scale for the last 60 credit hours of undergraduate study is required for regular admission.
7. GRE with satisfactory scores in all areas
8. A current resume
9. A personal statement
10. Three (3) letters of recommendation.
11. Industrial experience beyond completion of a baccalaureate degree is strongly recommended.

*International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: http://graduate.asu.edu/admissions/international. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.
For best consideration, the deadline is April 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration. Industrial experience beyond completion of a bachelor's is strongly recommended.

Undergraduate course work of admitted applicants to this program generally include calculus, technical writing and statistics. Students without a statistics course at the undergraduate level will be assigned a statistics deficiency course. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill both the requirements of Graduate Education and those of the Polytechnic School of the Fulton Schools of Engineering.