Global Management (Data Science), MGM

Program Description

**Degree Awarded: MGM Global Management (Data Science)**

Jobs for computer and information research scientists are expected to grow 16% between 2016 and 2028 (Occupational Outlook Handbook, Bureau of Labor Statistics). Many companies report difficulties finding workers with solid systems, engineering, algorithmic and mathematical backgrounds and with excellent data management and analysis skills. To meet this market need, the Thunderbird School of Global Management designed the data science concentration under the MGM degree program in conjunction with the School of Computing, Informatics and Decision Systems Engineering.

This concentration program is offered to students who are interested in gaining both global management and data management expertise in order to work in multinational corporations, international nonprofit entities, governmental and non-governmental organizations around the globe.

As global companies and organizations in the Fourth Industrial Revolution continue to rely on data to drive management decisions, it is increasingly more important for leaders to have skills necessary to understand and interpret that data.

### At a Glance

- **College/School:** Thunderbird School of Global Management
- **Location:** Downtown Phoenix campus

### Accelerated Program Options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597)

**Required Core (3 credit hours)**
TGM 506 Communicating and Negotiating Across Cultures (3)

**Concentration (12 credit hours)**
CSE 512 Distributed Database Systems (3)
CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)
Choose two from the following:
CSE 510 Database Management System Implementation (3)
CSE 515 Multimedia and Web Databases (3)
CSE 546 Cloud Computing (3)
CSE 573 Semantic Web Mining (3)
CSE 578 Data Visualization (3)

**Electives (12 credit hours)**

**Other Requirements (21 credit hours)**
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

**Culminating Experience (1 credit hour)**
TGM 597 Thunderbird Integrative Experience (1)
Additional Curriculum Information
Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirements coursework may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework

Admission Requirements
Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

1. graduate admission application and application fee
2. official transcripts
3. professional resume
4. two letters of recommendation
5. GRE or GMAT score
6. proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Contact Information