ACADEMIC REQUIREMENTS

Students may take up to three courses without declaring a major or taking the Graduate Record Exam (GRE). However, if a student would like to pursue the degree then s/he must meet the general graduate admission requirements for Texas A&M University-Kingsville. Additionally, students must take the GRE and successfully complete an undergraduate degree in Technology, Engineering, or Business. Some stem work (undergraduate) courses may be required to prepare for the program. The following table presents the university standards for admissions to the College of Graduate Studies:

Degree Status (unconditional)

This status is assigned to entering students who have earned a baccalaureate degree from a recognized college or university and who meet the following College of Graduate Studies minimum requirements:

- Applicants will be assigned Degree Status when they have overall undergraduate GPA's between 2.00 - 2.59 and minimum GRE composite (Q+V) score of 1000, GMAT score of 540.
- Applicants with GPA's between 2.60-2.99 must have a minimum GMAT score of 490. Applicants with GPA's between 3.00-4.00 must have a minimum GRE composite (Q+V) score of 800, or GMAT score of 440.
- All applicants must be accepted by the department or college program coordinator into a particular program for which they are applying after they have been screened to meet the minimum entrance requirements to the College of Graduate Studies.

Admission to the College of Graduate Studies does not guarantee admission to a particular program.

International students must have a minimum TOEFL score of 550 to enter graduate programs in engineering.

Probationary Status

Applicants not meeting the requirements for degree status may be considered for admission on probationary status if the applicant has at least a 2.6/4.0 undergraduate grade point average. Students must satisfy this status by earning a "B" average on the first 12 SCH before being recommended to Degree Status. Students admitted under probationary status will be allowed to complete 12 semester hours of graduate work. Students who maintain a minimum grade point average of 3.0/4.0 may apply for degree status.

Students not achieving this requirement will be withdrawn from graduate school. The student must apply for degree status through the graduate program coordinator to the graduate dean before enrolling in additional course work. Any graduate course work taken beyond the 12 semester hours while on probationary status will not count toward a degree.

Conditional Admission

In the case where an applicant's required standardized test results have not been received by the Admissions Office by the time of registration for a given semester, a student will be allowed to enroll in a maximum of 9 semester hours, but only if the applicant has at least a GPA of 2.6/4.0. The test must be completed during the first semester of enrollment. The student must be admitted to Degree Status or Probationary Status during the semester.

COURSES

IMEN 5301 Industrial Management
Concepts and techniques used by supervisors in industrial settings. Effective supervisory strategies to combat global competition will also be covered.

IMEN 5330 Six Sigma Quality and Cont. Improvement
An examination of the various methods and approaches used to achieve, sustain and improve the quality of a product or service in quality assurance activities and/or data analysis.

IMEN 5335 Industrial Safety & Risk Management
An examination of risk assessment and risk management principles, strategies, and concept as they relate to industrial settings.

IMEN 5300 Ind. Operations Research Methods
Approaches, areas, and skills needed to plan, organize, and report research findings on industrial related topics.

IMEN 5344 Lean Production
A study of the philosophy of lean production. Emphasis will be on designing strategies for implementation.

Prerequisite: MGMT 3321 or 4326 or equiv. experience.

IMEN 5322 Industrial Scheduling
Analysis of both industrial methods and managerial issues related to operations management. Topics will be tied to increasing efficiency, reducing time required to complete jobs and utilization of resources.

IMEN 5333 Hazardous Materials and Fire Prevention
Practices and techniques for effective handling and control of hazardous materials and fires. Standards, code compliance issues, & the role of the industrial risk manager will also be examined.

Elective Courses:

IMEN 5315 Constraint Management and Mistake Proofing
An examination of constraint management principles, strategies, & concepts as they relate to industrial settings. Also includes an exploration of the tools and techniques that can be used to: (a) measure production performance, (b) overcome core production problems, and (c) integrate solutions into business planning.

IMEN 5340 Automation and Cellular Mfg.
Survey of current trends and approaches to automation and cellular manufacturing. Emphasis will be both on managerial issues and integration of automated cells. Topics include automation, cellular manufacturing, group technology, and just-in-time philosophies.

IMEN 5320 Topics in Industrial Management
Topics in a relevant area of Industrial Management.

IEEN 5329 Adv. Engineering Economic Analysis
Continuation of Engineering Economic Analysis including funds flow, utility, price changes, investment, growth, capital budgeting, replacement, an managerial economics.

IEEN 5335 Principles of Optimization

PROFESSIONAL DEVELOPMENT

The department supports active student chapters of the Society of Manufacturing Engineers and the Fluid Power Society. Epsilon Pi Tau, an honorary for technology professionals with GPA's of 3.0 or higher, is also available to students.

SCHOLARSHIPS

Texas A&M University-Kingsville has a full range of financial assistance and general scholarships available to students. The department currently awards two scholarships for Industrial Management majors. Scholarships are available from the College of Engineering and Office of Graduate Studies as well.
The Master of Science in Industrial Management Engineering prepares graduates to assume leadership roles and positions in a variety of industrial, processing, and/or construction industries. The specific educational objectives of the program are to:
1. Provide students with leadership experiences for developing skills necessary to manage personnel in an industrial setting;
2. Familiarize students with philosophies and strategies currently used for improving production;
3. Provide students with further technical knowledge in areas such as quality assurance, industrial safety, and automated production;
4. Familiarize students with research methods and techniques commonly used to solve problems in industrial settings.

Both thesis and non-thesis options will cover these objectives because all graduate students at Texas A&M University-Kingsville are required to complete a research report for both the thesis and non-thesis options. Further, all graduate students are required to take a research class to familiarize them with various research methods and techniques.

Graduate students selecting either option are also required to take at least one elective course in the areas of lean production, industrial safety, and/or automation and cellular manufacturing. These courses will enable students the opportunity to expand their technical knowledge in an area of interest or career choice, thereby, improving their chances for employment.

FOR MORE INFORMATION, CONTACT:

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*All courses offered in the evening or so you don’t have to quit your existing job.
*Only 12 or less courses to graduate.

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