

The Facility Management Certificate Program at Texas A&M

CERTIFICATE OVERVIEW

What is a facility manager?

Facility managers supervise many aspects concerning the buildings, grounds and services associated with an organization. They are responsible for issues in architecture, computer and telecommunication systems, interior design, real estate acquisition and disposition, construction project administration, energy management, mailrooms and others. To efficiently manage these elements, facility managers must be experts in a number of fields including business administration, architecture and the behavioral and engineering sciences.

Why facility management?

Adding the facility management certificate to your graduate degree provides another dimension to your knowledge about the built environment and gives you additional career opportunities.

Scholarships and internships

The facility management program is actively supported by the Facility Management Industry Advisory Council (FMIAC). The FMIAC provides scholarships and internships to students who are pursuing the facility management certificate. More information is available on the Facility Management section of the following website <http://crscenter.tamu.edu>.

IFMA student chapter activities

There is an active Texas A&M student chapter of the International Facility Management Association. Visit them at <http://fmsc.tamu.edu>.

CERTIFICATE REQUIREMENTS

What are the requirements?

The facility management graduate certificate requires a minimum of fifteen (15) credit hours of facility management coursework including the following: one required course, *COSC 670, Facilities Management*; plus a capstone course of at least three (3) credit hours with facility management content (must be approved by the Certificate Council); at least three (3) credit hours of facility management coursework must be completed from outside your major field of study; and an additional two (2) courses must be taken from one of the four major elective areas. All courses used to meet the certificate requirements must be applicable toward a graduate degree from Texas A&M University.

How do I apply?

Current graduate students at Texas A&M University should submit a facility management certificate application when they file their degree plan. Application forms are available from the College of Architecture graduate programs office, in the CRS Center and on the CRS Center website at <http://crscenter.tamu.edu>.

Where can I get more information?

More information about the facility management certificate program is available from the college's Office of Student Services, degree coordinators or Dr. Valerian Miranda at 979.847.9357 or v-miranda@tamu.edu. You may also contact the Texas A&M student chapter of IFMA via their website at <http://fmsc.tamu.edu>.

APPROVED CERTIFICATE COURSES

Capstone Courses:

(One must be selected to fulfill requirements)
ARCH 691/693 Research/Professional Study
COSC 691/693 Research/Professional Study
LDEV 691/693 Research/Professional Study
(Other university disciplines may use equivalent research)

Required Course:

COSC 670 Facilities Management

ELECTIVE AREA 1: Operations and Maintenance

ARCH 619 Applied Solar Energy
ARCH 621 Energy Optimization in Building Design
ARCH 634 Architectural Lighting
COSC 663 Sustainable Construction
MEEN 436 Principles of Heating, Ventilation and A/C
MEEN 437 Principles of Building Energy Analysis
MEEN 664 Energy Management in Commercial Buildings
MEEN 665 Application of Energy Management

ELECTIVE AREA 2: Finance and Real Estate

ACCT 640 Accounting Concepts and Procedures
FINC 635 Financial Management for Non-Business
LDEV 661 Development and the Environment
LDEV 662 Land Development Law
LDEV 664 Market Analysis for Development
LDEV 667 Design and Development Economy

ELECTIVE AREA 3: Planning, Project Management, Technology

ARCH 642 Data Processing in Environmental Design
ARCH 652 Facility Information Technology
ARCH 663 Interior Architecture
COSC 620 Construction Operations
COSC 621 Adv Topics in Construction Proj Sched and Proj Mgmt
COSC 622 Construction Resources
COSC 624 Project Acquisition and Control
COSC 672 Introduction to FM Data Systems
MGMT 655 Survey of Management

ELECTIVE AREA 4: Human and Environmental Factors

ARCH 646 Historic Preservation Theory and Practice
ARCH 660 Design Programming
ARCH 676 Survey of Human Behavior and Design
COSC 664 Construction Safety Management
MGMT 630 Behavior in Organizations

ELECTIVES: Internships

ARCH 684 Professional Internship
COSC 684 Professional Internship



The other 95 percent are constantly in need of redeployment, repair, renovation, restoration and redesign.

This is the job of the **facility manager**, a relatively new but expanding profession now featured as a graduate certificate program at Texas A&M University.

About the CRS Center

One of five research centers and laboratories in the Texas A&M College of Architecture, the **CRS Center** was approved by the Texas A&M University Board of Regents in 1990. Its mission is to improve the quality of business practice and management in the planning, design and construction industry. Though no longer in existence as a result of the divestiture of its various components in 1995, the firm's goals continue to be carried forward at the CRS Center. In addition to serving as an archive for the slides, photographs, video and audiotapes, articles, and business and personal records of the firm, the CRS Center also conducts external research and sponsors various programs (including the facility management graduate certificate) benefiting faculty, students and researchers.

For more information on CRS Center programs or facility management-related activities at Texas A&M, please contact the CRS Center.

Facility Management Certificate Council

David L. Bilbo

Clark Professor of Construction Science

David E. Claridge

Leland Jordan Professor of Mechanical Engineering & Director of Energy Systems Laboratory

Jeff S. Haberl

Professor of Architecture

Associate Director of Energy Systems Laboratory

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Did you know only about **five percent** of the total stock of buildings are constructed new in any one year?

Facility Management
Certificate Program

CRS Center