MANAGEMENT OF TECHNOLOGY FIVE-YEAR ACCELERATED DEGREE BACHELOR AND MASTER OF SCIENCE PROGRAM

This accelerated degree program offering broadens a student's options and permits them to pursue the combination of any existing Bachelor of Science in Engineering degree offered by Fairfield University with a Master of Science in the Management of Technology and complete the effort in a five-year time frame. This combination enables students not only to understand engineering, management and business concepts, but also to understand their integration and how the intersection distinctively shapes our world and their careers.

Students may receive a bachelor's degree in Biomedical Engineering, Electrical Engineering, Mechanical Engineering, or Computer Science (accreditation track) and a master's degree in Management of Technology. The Management of Technology track integrates business and management knowledge into an engineering curriculum to prepare engineers for leadership roles in technology-based organizations. The accelerated degree engineering management curriculum combines breadth of knowledge of general engineering subject matter with depth of knowledge in a specific engineering discipline. Students achieve depth of knowledge by majoring in biomedical engineering, electrical engineering, mechanical engineering, or computer science (accreditation track). In addition, multi-disciplinary coursework prepares students for positions in fields that require human resource and project management, financial and business understanding, marketing, and communication skills to complement their engineering knowledge.

Graduates of this accelerated degree option will be prepared for an engineering design opportunity in their discipline as well as leadership positions in other engineering and business related settings. They will be comfortable with the international languages of engineering and business. Engineers and technology specialists with business skills allows them to address engineering and business issues from a variety of perspectives. The integrated engineering-business skills that students gain represents a sure-fire combination for career success.

Students typically apply to the accelerated Master's degree program in their third year. Students follow the standard undergraduate curriculum for the first three years, and then complete the baccalaureate degree requirements during their fourth year while taking up to two graduate courses. Two graduate courses (6 credits) taken during the fourth year may be applied towards both the bachelor's and master's degree requirements. After receiving the baccalaureate degree, students will take an additional eight courses (for a total of ten courses) to complete the MS degree requirements in the fifth year. This accelerated degree is expected to be completed in five years without interruption.

Changing from Undergraduate to Graduate Status

Students may apply to the graduate portion of the program at any point after the following conditions are met, with approval from their faculty advisor and the department chair:

- Completed 60+ credits toward the BS degree.
- Plan to enroll in a maximum of two graduate-level courses during the fourth year.
- Have an overall GPA of 3.00 or higher.
- Have approval of the faculty advisor.

Students will be awarded the BS degree when all requirements are met, usually at the end of the fourth year. The MS in Management of Technology will be awarded when all graduate requirements of the combined degree curricula have been satisfied, usually at the end of the fifth year.

Requirements

Students must complete the following courses in the Management of Technology master's degree program:

Code	Title	Credits
FNCE 5400	Principles of Finance [1]	3
or ACCT 5400	Introduction to Accounting	
or ACCT 6500	Accounting Information for Decision-Making	
MGMT 6508	Strategic Management of Technology and Innovation: The Entrepreneurial Firm [1]	3
MGMT 6584	Global Competitive Strategy [1]	3
MGTN 5415	Information Systems	3
MGTN 5460	Project Management	3
MGTN 5470	Leadership in Technical Enterprise	3
MGTN 6961	Capstone I: Project Definition and Planning	3
MGTN 6962	Capstone II: Project Execution and Results	3
Select two elective courses in Management of Technology [2]		6
Total Credits		**30**

[1] Graduate courses from the Dolan School of Business may be taken during the fifth year only. A maximum of five graduate courses from the Dolan School of Business may be applied to the Management of Technology degree.

[2] The Management of Technology graduate elective courses may be taken in any discipline at the University. The selection of these graduate courses is intended to assist the student in meeting his/her career objectives. Care must be taken to meet the applicable prerequisite requirements. Refer to the Management of Technology graduate catalog to obtain a complete list of elective courses.

Students may enter this accelerated degree program with Biomedical Engineering, Electrical Engineering, Mechanical Engineering, or Computer Science (BS) majors.

Plan of Study

Completion of the required graduate-level courses may be accomplished by taking the MOT courses during the semesters shown below:

Course	Title	Credits
Fourth Year		
Fall		
MGTN 5415 or MGTN 5470	Information Systems or Leadership in Technical Enterprise	3
	Credits	**3**
Spring		
MGTN 5460	Project Management	3
	Credits	**3**
Fifth Year		
Fall		
FNCE 5400	Principles of Finance [1]	3
MGMT 6508 or MGTN 6505	Strategic Management of Technology and Innovation: The Entrepreneurial Firm [1] or Introduction to Systems Engineering	3
MGTN 6961	Capstone I: Project Definition and Planning	3
MGTN 5470	Leadership in Technical Enterprise	3
	Credits	**12**
Spring		
MGMT 6584	Global Competitive Strategy [1]	3
MGTN 6962	Capstone II: Project Execution and Results	3
Select two elective courses in Management of Technology [2]		6
	Credits	**12**
	Total Credits	**30**

[1] Graduate courses from the Dolan School of Business may be taken during the fifth year only. A maximum of five graduate courses from the Dolan School of Business may be applied to the Management of Technology degree.

[2] The Management of Technology graduate elective courses may be taken in any discipline at the University. The selection of these graduate courses is intended to assist the student in meeting his/her career objectives. Care must be taken to meet the applicable prerequisite requirements. Refer to the Management of Technology graduate catalog to obtain a complete list of elective courses.