

**PROGRESSIVE DEGREE PROGRAM
COURSE PLAN TEMPLATE**

**Masters Degree – Engineering Management
Progressive Degree Option**

The MS in Engineering Management program (MSEMT) is designed for students with undergraduate degrees in engineering or related sciences to prepare them for management responsibilities. As an MSEMT student, you will learn how to lead technology projects as well as manage teams, engineering functions, and companies. In addition, you will gain an understanding of the economic decision making processes. More than just theory, the MSEMT program offers real-world examples provided by instructors who have years of relevant industry experience, covering topics such as technology creation, management of invention, information systems, managerial accounting, and quantitative methods. This is also a suitable program to help prospective technical entrepreneurs understand the enterprise creation process.

Required Courses (16 Units)

- ISE 500 Statistics for Engineering Managers Units: 4
- ISE 515 Engineering Project Management Units: 4
- ISE 544 Leading and Managing Engineering Teams Units: 4
- ISE 561 Economic Analysis of Engineering Projects Units: 4

Technology Course (4 units) Select one.

- CE 576 Invention & Technology Development Units: 3
- ISE 501 Innovative Conceptual Design for New Product Development: 4
- ISE 545 Technology Development and Implementation Units: 4
- ISE 585 Strategic Management of Technology Units: 4

Minimum number of units required for the degree: 20

****Courses cannot be double counted and you must have at least 16 ISE units.****

