

ENGINEERING MANAGEMENT (EM)

EM 601 The Management Process	3 Credit hours		
This course covers the management process and the structural, organizational and behavioral principles needed by managers to function effectively in organizational environments.			
Grade Mode: Normal Grading Mode			
EM 620 Mgt Tech HR & Orgs	3 Credit hours		
Principles leading to better management and development of technical human resources and organizations. Included are concepts technical managers need to positively change themselves and to lead others toward desired behavior.			
Grade Mode: Normal Grading Mode			
EM 640 Personnel Administration	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 642 Industrial Psychology	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 644 Organizational Behavior	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 650 Special Topics	1-4 Credit hours		
Study of special topics of an advanced nature. (PR: Consent)			
Grade Mode: Normal Grading Mode			
EM 651 Special Topics	1-4 Credit hours		
Study of special topics of an advanced nature. (PR: Consent)			
Grade Mode: Normal Grading Mode			
EM 652 Special Topics	1-4 Credit hours		
Study of special topics of an advanced nature. (PR: Consent)			
Grade Mode: Normal Grading Mode			
EM 653 Special Topics	1-4 Credit hours		
Study of special topics of an advanced nature. (PR: Consent)			
Grade Mode: Normal Grading Mode			
EM 660 Project Management	3 Credit hours		
Provides the student with a practical knowledge of how to integrate effectively the functional efforts of many in the execution of programs and projects.			
Attributes: No Textbook Required			
Grade Mode: Normal Grading Mode			
EM 661 Advanced Project Management	3 Credit hours		
Course is designed to increase proficiency in the advanced aspects of project management. Participants will become aware of the project management processes in PMI's Project Management Body of Knowledge.			
Grade Mode: Normal Grading Mode			
EM 662 Organization Theory	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 664 Mgt Res & Devel Organizations	3 Credit hours		
Techniques and methods for effective management of research and development organizations, projects, and personnel. (PR: EM 601)			
Grade Mode: Normal Grading Mode			
EM 665 Mgt Engineering Organizations	3 Credit hours		
Techniques and methods for effective management of engineering firms, departments, and personnel. (PR: EM 601)			
Grade Mode: Normal Grading Mode			
EM 668 Operations Management	3 Credit hours		
Examination of the quantitative and conceptual tools for generating goods and services in manufacturing and non-manufacturing organizations.			
Grade Mode: Normal Grading Mode			
EM 670 Seminar in Engineering Mgt	3 Credit hours		
Provides the student an opportunity to examine issues in engineering management and to evaluate their consequences in organizations, in the profession, and in society. (PR: Consent)			
Grade Mode: Normal Grading Mode			
EM 675 Engineering Economics	3 Credit hours		
The concepts and methods for the financial calculations involving time, value of money and uncertainty. Capital and departmental budgeting processes and engineering inputs to cost accounting. (PR: Consent)			
Attributes: No Textbook Required			
Grade Mode: Normal Grading Mode			
EM 682 Management Information Systems	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 683 Systems Analysis Technique	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 684 Systems Design for Tech Info	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 694 Engineering Law	3 Credit hours		
The American legal system, contracts and specifications, liability of professional engineers, product liability, agency relationships, patent and proprietary rights, and special problems in contracts are studied.			
Grade Mode: Normal Grading Mode			
EM 699 Comprehensive Project in EM	3 Credit hours		
Grade Mode: Satisfactory/Unsatisfactory			
EM 770 Sem in Engineering Management	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 780 Special Topics	3-6 Credit hours		
Grade Mode: Normal Grading Mode			
EM 790 Final Project/Engr Management	3 Credit hours		
Grade Mode: Normal Grading Mode			
EM 799 RESEARCH	1-6 Credit hours		
Grade Mode: Normal Grading Mode			