ENGMT 501: Engineering Management Science
3 Credits
Mathematical models involving optimization, simulation and forecasting to provide quantitative solutions to engineering management problems; scheduling, distribution, inventory control.

ENGMT 510: Economics and Financial Studies for Engineers
3 Credits
Economic feasibility of projects, systems and products. Project budgets, estimation, return on investment, supply and demand, and earned value management.

ENGMT 511: Engineering for Energy and the Environment
3 Credits
Engineering analysis of new technologies with environmental consideration leading to alternative energy sources and sustainable development.

ENGMT 530: Engineering Law
3 Credits
Overview of the legal system and legal issues applied to engineering: contracts, bidding, proposals, torts, professional liability, the intellectual property.

ENGMT 539: Engineering Management Strategy
3 Credits
Project- and discussion-based capstone to the engineering management program.

Prerequisite: 27 credits in the engineering management program

ENGMT 597: Special Topics
1-9 Credits/Maximum of 9
Formal courses given on a topical or special interest subject which may be offered infrequently.

ENGMT 841: Application of Statistics in Quality and Continuous Improvement in Engineering
3 Credits/Maximum of 999
Application of quality tools to improve products and processes including lean processes and six sigma principles. ENGMT 841 is about learning to apply sophisticated statistical tools for the continuous improvement of products and processes in the manufacturing and service industries. Students will learn how to identify defects (nonconformance to specifications) and provide appropriate solutions that will not only eliminate defects, but also improve the performance. They will be able to take samples from the population, apply appropriate statistical tools...