

# MGEG - ENGINEERING MANAGEMENT (MGEG)

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## **\*Course Fees are Per Credit Hour**

### **MGEG 270. Introduction to Engineering Management. (3 Credits)**

This course provides an introduction to the broad field of engineering management with focus on fundamental areas and how they affect both human, financial, and physical systems in engineering-related industries. Topics include strategic planning and execution, financial statements, reporting, systems analysis, project management, and organizational structures and leadership. Prerequisite: MA 125.

Course Fees: \$60

### **MGEG 370. Engineering Systems Analysis and Design. (3 Credits)**

This course covers the concepts, processes, tools, and strategies for successful planning, design, and implementation of engineering-related systems. Topics include modeling, simulation, performance metrics, system performance, risk, and variability. Prerequisites: MA 345, MGEG 270.

Course Fees: \$60

### **MGEG 380. Engineering Project Management. (3 Credits)**

This course covers the selection, planning, execution, management, and completion of engineering-related projects. Topics include project management techniques, feasibility, project phases, milestones, Gantt charts, resource allocation, budgeting, teams, and management of change. Prerequisites: MG 331, MGEG 270.

Course Fees: \$60