



MSE First Minor Course Combinations *The University of Alabama in Huntsville*

Department of Industrial & Systems Engineering
and Engineering Management
Technology Hall, Room N138, Huntsville, AL 35899
Ph: (256) 824-6976, Fax: (256) 824-6608

Typical MSE minors unless these courses are in your major. Other possible combinations may be approved by student's committee.

Systems Engineering

ISE 627 Introduction to Systems Engineering
And select 1
ISE 723 Engineering Economic Analysis
ISE 670 Integrated Product & Process Design

Quality Control and Improvement

ISE 523 Statistical Quality Control
And select 1
ISE 526 Design & Analysis of Experiments
ISE 641 Advanced Quality Control
ISE 741 Quality Engineering

Quality and Reliability Engineering

ISE 526 Design & Analysis of Experiments
ISE 638 Engineering Reliability

Financial Methods and Evaluation

EM 665 Financial Methods for Engineers
ISE 723 Engineering Economics Analysis

Quality Control Management

EM 662 Foundations of Quality Systems
Management
And select 1
ISE 523 Statistical Quality Control
ISE 641 Advanced Quality Control

Systems Simulation (any two)

ISE 530 Manufacturing Systems & Facilities Design
ISE 547 Introduction to Systems Simulation
ISE 647 Systems Simulation

Manufacturing Systems (any two)

ISE 530 Manufacturing Systems & Facilities Design
ISE 670 Integrated Product & Process Design
ISE 630 Computer Integrated Manufacturing

Economic and Quality Systems

ISE 523 Statistical Quality Control
ISE 723 Engineering Economic Analysis

Engineering Management Human Element

EM 660 Engineering Management Theory
EM 760 Organization Structure & Motivation

Engineering Management Process Element

EM 666 Engineering Project Management
EM 766 Managing Change in High Tech
Organizations

All of the above minors are available through the Distance Learning program.

Other technical minors in such things as Operations Research and Human Factors are possible. Consult your advisor.