

Foundation

Math

Calculus I & II
Differential Equations
Multivariable Calculus

MATH 1010, MATH 1020, MATH 2400, MATH 2010

Science

Chemistry I
Physics I & II

CHEM 1100, PHYS 1100, PHYS 1200

Computer Sc.

Computer Science I

CSCI 1100

Core Engineering

Analysis Processes
Graphics & CAD Design
Modeling & Analysis
Professional Dvlpmnt III
Economics

ENGR 1100, ENGR 1200, ENGR 1300, ENGR 2050, ENGR 2600, ENGR 4010, ENGR 4760

Humanity and Social Science

Supply Chain

ISYE 4210

ISE Foundation

Proj & OperMgt.

ISYE 2210

Simulation

ISYE 4290

Statistics

ISYE 4140

Operations Research

ISYE 4600

Information Sys.

ISYE 4530

ISE Elective

Work System Quality Control
Optimization Algorithm & Applications
Project Management Facility Design
Decision Systems Eng
Ethics Model for ISYE
Theory of Scheduling Math Stats
Design of Experiments
Computational Intelligence

ISYE 4200, ISYE 4220, ISYE 4230, ISYE 4240, ISYE 4250, ISYE 4260, ISYE 4280, ISYE 4300, ISYE 4310, ISYE 4320, ISYE 4330, ISYE 4760, ISYE 4810

Electives

Engineering Elective

Materials Science ♦ Thermal & Fluids I
Electronic Instrumentation ♦ Dynamics
Embedded Control ♦ Strength of Materials
Gen Mfg Processes & Systems
Mfg Processes & Systems I & II

ENGR 1600, ENGR 2090, ENGR 2250, ENGR 2300, ENGR 2350, ENGR 2530, ENGR 2710, ENGR 4710, ENGR 4720

Management Elective

Introduction to Management
Fundamentals of Accounting
Invention Innovation & Entrepreneurship
Intro to Technological Entrepreneurship
Introductory Economics
General Psychology

MGMT 1100, MGMT 2300, MGMT 4520, ECON 1200, PSYC 1200

Capstone IME Design