

# IE Course Prerequisites

## Sophomore

## Junior

## Senior

**ENS 208**  
Int.to Industrial  
Engineering

**MATH 201**  
Linear Algebra

**CS 201**  
Introduction to  
Computing

**MATH 203**  
Introduction to  
Probability

**ENS 205**  
Intro. to Materials  
Science

**ENS 209**  
Intr.to Comp.Aided  
Draft&Solid

**IE 301**  
Deterministic  
Models in OR

**MATH 306**  
Statistical  
Modelling

**IE 303**  
Decision  
Economics

**IE 308**  
Cost Analysis &  
Control

**IE 304**  
Prod.& Serv.Sys  
Plan&Design

**IE 302**  
Stochastic Models  
in OR

**IE 305**  
Simulation

**IE 306**  
Human Factors  
Engineering

**IE 309**  
Manufacturing  
Processes I

**IE 401**  
Produc.&Service  
Sys.Operations

**IE 420**  
Storage &  
Distribution Sys.

**IE 405**  
Decision Analysis

**IE 403**  
Quality Planning &  
Control

**IE 407**  
Investment  
Decision Making

**IE 412**  
Financial  
Engineering

**IE 432**  
Stochastic Models  
in Finance

**IE 409**  
Project Scheduling  
& Management

**IE 430**  
Logistics Sys.  
Plan. & Design

**IE 471**  
Supply Chain  
Practice

**IE 454**  
Supply Chain  
Analysis

**IE 414**  
Manufacturing  
Strategies

**IE 417**  
Facilities & Mat.  
Handling Design

**IE 415**  
Decision Support  
Systems

**IE 411**  
Modeling & Anal.  
of Large Sys.

**IE 425**  
Computational  
OR.

**IE 408**  
Rel. & Maint.  
Analysis

**IE 419**  
Total Quality  
Management

**IE 451**  
Data Visualization  
& Analysis

**IE 418**  
Manufacturing  
Processes II

**IE 402**  
Integrated Manuf.  
Sys.

**IE 416**  
Additive  
Manufacturing

**IE 413**  
Information  
Systems

**IE 472**  
Strategic Decision  
Making Practice