Operations Research Minor

Program Description

Operations Research uses advanced analytical methods for complex decision-making. Applied math, computing, statistical analysis, and optimization are part of the Operations Research toolkit that can be used to solve complex problems that arise in many situations, such as engineering, scheduling, manufacturing, transportation, or healthcare. KSU's Operations Research Minor is an excellent option for students who would like to learn and apply new quantitative methods for improved decision-making and efficiency.

Note: MATH 2202 - Calculus II is a prerequisite to courses in this minor and this minor is not open to students pursuing majors in the Industrial and Systems Engineering department.

 This program is a part of the Southern Polytechnic College of Engineering and Engineering Technology.

Admission, Enrollment, and Graduation Policies

Admission Requirements

This program does not have specific admission requirements and only admission to Kennesaw State University is required. For more information, please visit the Admissions section of the catalog.

Graduation Requirements

Each student is expected to meet the requirements outlined in the Academic Policies: 5.0 PROGRAM REQUIREMENTS & GRADUATION.

Program Course Requirements

Required Courses (18 Credit Hours)

- MATH 3260: Linear Algebra I
- ISYE 4200: Engineering Optimization: Stochastic Decision Models
- ISYE 3600: Probability and Statistics II

  Choose One:
- MATH 3272: Introduction to Linear Programming
- ISYE 3400: Deterministic Operations Research

  Choose One:

- ISYE 2600: Probability and Statistics I
- STAT 2332: Probability and Data Analysis
- MATH 3332: Probability Theory

  Choose One:
- ISYE 4500: System Modeling & Simulation
- CS 4306: Algorithm Analysis

Program Total (18 Credit Hours)