The Department of Industrial and Systems Engineering offers a graduate certificate program that requires four courses (12 credit hours) and may be completed online. A student who earns the certificate will have a basic knowledge in computer modeling and data analytics for operations- including manufacturing and service systems.

Certificate Curriculum:
Students are expected to complete the following three core courses which can be earned by both degree and non-degree seeking students:

- Information Technology for Operations
- Decision Support Systems for Operations
- Data Analytics for Operations
- Data Mining Techniques and Applications for Operations

Courses may be taken in any order but Information Technology for Operations is a prerequisite for Data Analytics for Operations.

Admission Requirements:
A bachelor’s degree in engineering or equivalent from an accredited U.S. institution is expected for admission. Exceptions to this may be approved if the student has the background needed to succeed in the graduate engineering courses. A basic probability and statistics course is essential. The GRE is not required.

To learn more about the Modeling and Data Analytics for Operations graduate certificate, please visit:

eng.auburn.edu/program/modeling-and-data-analytics-for-operations.html