



# AUBURN UNIVERSITY

Samuel Ginn College of Engineering

*Industrial and Systems Engineering*

## Graduate Certificate Planning Models

Course offerings may differ depending on when students begin the program and department resources.

Students may take classes in any order they choose.

All courses taken in a certificate program may count toward a master's degree.

All courses below are prefix INSY.

Certificate	Automotive Manufacturing Systems	Manufacturing Systems	Modeling and Data Analytics	Occupational Safety and Ergonomics
Fall 2023	Control of the Manufacturing Floor and Processes (6840)	Six Sigma (6330)*	Modern Tools for Data Analytics and Modeling (6500)	Fundamentals of Ergonomics (7060)
Spring 2024	Innovations in Manufacturing Systems (6860)	Applied Discrete-event Simulation Modeling (7400)	Decision Support Systems for Operations (6550)	Cognitive Engineering and System Design (7040)
Summer 2024				Human Factors Engineering (7080)
Fall 2024	Six Sigma (6330)*	Vehicle Technology and Trends (6830)	Data Mining Techniques and Applications for Operations (7130)	Occupational Safety Engineering (6010)
Spring 2025	Lean Systems (6800)*	Lean Systems (6800)*	Data Analytics for Operations (7120)**	System Safety Engineering (7020)

\* Students who take 6330 and 6800 with a grade of A or B receive a Lean Six Sigma Certification at no extra cost.

\*\* May not be required in the future.