

Master of Science in Supply Chain Engineering Capstone Project Description

About the Program

The MS in Supply Chain Engineering is a graduate degree program focused on professional practice in the supply chain domain. It was created to meet a growing demand for business-savvy industrial engineers who can design and synchronize highly complex global supply chains. The program's intensive 12-month curriculum arms students with skills in analytic methods, supply chain engineering, and enterprise management while building professional practice skills and immersing students with real-world industry experience.

About the Capstone Project

The summer (May-July) term is dedicated to the Capstone Project in which students identify and define a supply chain design and/or analysis problem to be addressed with quantitative modeling. Projects are conducted with sponsors from business, government, or non-government organizations. Students apply their knowledge and skills to the project, and deliver valuable solutions to their sponsoring organizations.

TIMELINE

Students in the program are required to find approved Capstone Projects by early April each year. Once approved by Georgia Tech, the Capstone Project team begins project work in mid-May, and concludes project work by the end of July.

STUDENT COMMITMENT

Students work either individually or in teams of 2 to 4, alongside a faculty advisor. Students can be hired into internships by the sponsor organization, but this is not a requirement. Please note that allowable internships for international students may be restricted by each student's visa status.

Each student is expected to spend a minimum of 200 productive hours on the project, including time spent preparing a formal work proposal, collecting data and building analytical models, conducting analysis and interpreting results, and preparing a final project report. Students will also deliver proposals and final reports in oral presentations to the faculty and sponsors.

SPONSOR ORGANIZATION COMMITMENT

A sponsoring organization is expected to provide limited operational support for the project team. Usually, an advisor or mentor from the sponsor will help guide and review the work, and help in acquiring necessary data. During the project, each team may conduct both on-site work at the sponsor and on-campus work. No financial commitment is expected from the sponsoring organization.

Data provided by the sponsor may in some cases be sensitive. In these cases, Georgia Tech will enter into standard non-disclosure agreements that cover the project work. Since the Capstone Project is part of the MS SCE curriculum, team work will need to be assessed and graded by faculty members, so written and oral presentation of the results is necessary. Project results are not published publicly.

Sponsoring organizations can expect to benefit from a fresh perspective provided by our students, and will receive a systematic quantitative analysis of a supply chain problem along with creative yet realistic solutions. We hope you will find the experience of working with us invaluable.

CONTACTS

For more information about sponsoring a Capstone Industry Project, please contact Mr Tim Brown of the Supply Chain and Logistics Institute at tim.brown@isye.gatech.edu , or the Faculty Director of the MS Supply Chain Engineering Program, Professor Alan Erera at alan.erera@isye.gatech.edu.