Supply Chain Analytics Professional Certificate

Created to help you better understand the role and dynamics of analytics in Supply Chain Management (SCM). Learn the key concepts for working with SCM data while obtaining hands-on experience with analytics techniques and tools.

VIRTUAL CORE COURSES (4)

Transforming Supply Chain Management and Performance Analysis (LOG 3250P)  Online

Apply leading-edge analytical methods and technology enablers across your supply chain. You’ll learn the dynamics of supply chains and see an overview of the most relevant planning challenges across strategic, tactical, and operational level. You’ll also understand the role of different analytics types (descriptive, predictive, and prescriptive) and the links between predictions and prescriptions.

Creating Business Value with Statistical Analysis (LOG 3251P)  Online

Leverage technology to develop effective Key Performance Indicators and to apply statistics to understand and forecast data. Identify the links between operational and business performance metrics, you’ll also learn several statistical concepts (e.g. variance analysis, hypothesis testing, forecasting methods), along with the use of statistical methods in inventory management.

Machine Learning Applications for Supply Chain Planning (LOG 3252P)  Online

Understand how machine learning algorithms learn patterns from data to support proactive decision making, as it applies to supply chain management. Develop the ability to forecast future demand and use this information to evaluate inventory policies, while also learning the importance of and how to perform customer segmentation.

Supply Chain Optimization and Program Capstone (LOG 3253P)  Online

Utilize advanced analytics and mathematical optimization to find solutions for supply chain problems, through various techniques, such as linear programming, mixed integer programming, and heuristics using the fictional Cardboard Company (CBC) case study with your focus on production processes, distribution network optimization, and routing. Your capstone will culminate in a challenging hackathon, you'll optimize CBC's supply chain performance while designing networks, inventory policies, and scenarios and evaluating the outcomes via simulations.

CONTINUE YOUR SUCCESS STORY
Transforming Your Supply Chain

COURSE INSTRUCTORS
Daphne de Poot and Kathryn Walter are professional education instructors for the Georgia Tech Supply Chain and Logistics Institute and data analytics professionals at ORTEC, the world’s leading supplier of mathematical optimization software and advanced analytics. Through their vast experience in the world of supply chain data and analytics you will learn hands-on approaches with the latest analytics techniques and tools. Their passion is helping companies succeed and learn how to get the most out of their data.

Recommended
Knowledge of statistics and data analysis, experience with Python and PowerBI, along with basic coding/programming skills.

4 LIVE VIRTUAL COURSES*
Course 1 - Oct. 5-8
Transforming Supply Chain Management and Performance Analysis

Course 2 - Nov. 9-12
Creating Business Value with Statistical Analysis

Course 3 - Jan. 25-28, 2021
Machine Learning Applications for Supply Chain Planning

Course 4 - Feb. 22-25, 2021
Supply Chain Optimization and Program Capstone

*Participation requires a computer, high-speed access and compatibility with the online tools being utilized.

Program Fee
Course Price $1,120

IN-PERSON SESSIONS WILL BE HELD IN SPRING OF 2021.

https://www.scl.gatech.edu/sca