



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.

Designed for experienced business professionals who currently engage in—or aspire to engage in—data analysis within the supply chain domain. Content is tailored for those seeking deeper insights from their supply chain data, those whose current tools no longer meet their needs, and those aiming to become strategic change agents.



Check the QR code or
registration link for course
dates and locations

► CORE COURSES (4)

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

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)

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)

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 Prescriptive Analytics (LOG 3253P)

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.

Take the four required courses within six years to receive your **Supply Chain Analytics Professional Certificate**.

For any questions, please email course@scl.gatech.edu or call 404.894.2343.



EARN A GEORGIA TECH SUPPLY CHAIN & LOGISTICS CERTIFICATE

WHO SHOULD ATTEND

supply chain and logistics consultants, supply chain engineers and analysts, facility engineers, and warehouse supervisors and team leaders.

HOW YOU WILL BENEFIT

- Align supply chain strategy with business strategy.
- Understand inventory management models.
- Understand how to apply statistics techniques.
- Understand the effects that policies have on performance metrics.
- Apply statistical concepts: variance analysis, hypotheses testing, expected demand, simple forecasting techniques.
- Understand and apply ML techniques specific to production planning and predictive maintenance.
- Use mathematical optimization to address complex supply chain planning challenges.

LEARNER REQUIREMENTS

- General SCM knowledge
- A general understanding of probability
- Basic Python / Programming experience
- Basic PowerBI experience

COURSE INSTRUCTOR

Harrison Verhine is an Optimization Engineer for the Supply Chain Planning division at ORTEC, building tailor-made tools for clients' unique supply chain challenges. His experience includes developing optimization models for trading natural gas and building simulations for aircraft maintenance. He has an interest in operations research, modeling, and simulations, with a passion for learning and solving problems.

COURSE FEES

Standard Price	\$1,100
Certificate Price*	\$913
GA-AIM Price (GA residents only)	\$550
Multi-Team Member Discounts	CALL 404-385-8663

*To receive the "Certificate Price", you must prepay in one payment for all courses required to earn a certificate.

"I recently completed the Supply Chain Analytics Certificate module of Machine Learning Applications for Supply Chain Planning at Georgia Tech, and I couldn't be more impressed with the experience. The course material was comprehensive, providing in-depth insights into the latest analytics techniques and their practical applications in the supply chain industry. The instructors were outstanding—each brought real-world experience to the classroom, which made the content even more impactful. One of the reasons I chose Georgia Tech for this certification was its strong reputation and the high regard it holds in the industry, and they truly delivered on that expectation. This program has certainly enhanced my analytical capabilities and provided valuable knowledge that I can apply to my work immediately."

— Patrick Aragao
Founder, Aragao Consulting Inc



Register at: pe.gatech.edu/supply-chain-analytics-professional-certificate

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