Managing suppliers, inventory, quality, and shipping requires unprecedented coordination.

Certificate graduates can:

- Map supply chains and evaluate under-performing systems
- Set metrics to choose, analyze, and improve supplier performance
- Implement strategies for warehousing, logistics, and demand
- Apply data analytics to reduce lead times and costs
- Develop integrated processes to harmonize a firm’s functions
- Use lean and agile methods to plan and implement improvements

The Supply Chain and Logistics Graduate Certificate from Rensselaer was created in consultation with enterprises that recognize both the tremendous opportunity and rapidly-evolving risks of a global supply chain.

This certificate satisfies the need with learnable skills including digitalization of supply chain management and operations, sales and operations planning, supply chain systems engineering, leadership capacities, and communication.

These skills are taught across three courses: Design of Manufacturing Systems and Supply Chains; Theory of Production Scheduling; and Supply Chain Analytics. See full course descriptions at [ewp.rpi.edu](http://ewp.rpi.edu). Hands-on, real world projects, integral to the courses, are designed so that students can realize immediate application to their work.

See full course descriptions at [ewp.rpi.edu](http://ewp.rpi.edu).

Explore Rensselaer’s Education for Working Professionals program at a 30-minute Informational Webinar or schedule a Professional Consultation at [ewp.rpi.edu/contactus](http://ewp.rpi.edu/contactus). You can also reach us by email at ewp@rpi.edu or by phone at 860.548.2403.
Supply Chain and Logistics is one of eight graduate certificates that allow you to develop in-depth expertise quickly in a mission-critical area.

Visit [ewp.rpi.edu](http://ewp.rpi.edu) for an updated listing of certificates offered and program course descriptions.

**BUSINESS INTELLIGENCE**
Take control of the flood of data from across the enterprise by mastering data-driven decision making, business intelligence analysis, while modeling findings you and your employer can rely on.

**PRODUCTION ANALYTICS**
Model your production accurately using data, logistics analysis and modeling decisions to differentiate true intelligence from ‘hunches’, unknowns into knowns, and make the best use of data possible.

**MACHINE LEARNING and A.I.**
A massive competitive advantage, develop expertise in data architecture, machine learning frameworks, and deep learning in AI systems to identify problems before they appear and get closer to your customers.

**MANAGING TECHNICAL ORGANIZATIONS**
Prepares you to add more value to your work and employer as you practice dynamic organization leadership while understanding markets, developing strategy and people; and evaluating performance.

**LEADING CHANGE and INNOVATION**
Transform your approach at work as you develop purposeful and intentional leadership needed when facilitating change that is clear and precise while minimizing uncertainty and unintended consequences.

**SUPPLY CHAIN and LOGISTICS**
Empower your operation by ensuring suppliers are capable, inventory is managed, distribution and warehousing logistics are in order, and the software integrating planning and operations works harmoniously.

**SYSTEMS ENGINEERING**
See the ‘whole picture’ of your organization, develop skills to optimize systems and processes to bring costs and inventory under control, and enhance your role in moving the organization forward.

**LEAN QUALITY in PRODUCTION**
Design and optimize complex systems and upgrade your credentials as a Lean Six Sigma I and Lean Six Sigma II practitioner who replaces slow, outdated processes with an approach you can count on.

**MASTER of SCIENCE in ENGINEERING SCIENCE**
Stack any three certificates of your choice to complete a Master of Science in Engineering Science degree with a final, integrative project.

**SYSTEMS ENGINEERING and TECHNOLOGY MANAGEMENT**
The Systems Engineering and Technology Management degree includes two certificates of your choice and four core courses to complete the degree.

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