

MANUFACTURING LEADERSHIP MS

PROGRAM OVERVIEW FOR EMPLOYERS

RIT's Master of Science in Manufacturing Leadership (MML) is an 18-month leadership program designed for experienced professionals moving to mid- and senior-level positions in operations, supply chain management, manufacturing, and process improvement. The program integrates business and engineering courses and emphasizes leadership, cross-functional and cross-cultural teaming, global operations and supply chain strategy, total quality and "lean" thinking, process engineering, and systems-oriented business decision making. The MML program was developed jointly by the College of Business and the Kate Gleason College of Engineering to educate graduates to lead teams and organizations for successful competition in a complex global economy. A corporate-oriented Capstone project provides significant financial benefits to sponsoring companies and is an excellent opportunity for students to gain visibility and recognition. Classes are held in the late afternoon and evening to accommodate students' work schedules. Online courses are also available.

Degree Awarded

Master of Science in Manufacturing Leadership, requires 48 credits.

Enrollment

Approximately 15 students enroll annually. Most students are sponsored by a local company, but self-sponsorship is available. Candidates should have at least two years of work experience. The program was designed to be completed in two academic years (excluding summers), but students may enroll at other times during the academic year or take a reduced course load, consistent with time or financial restrictions.

Cooperative Education Component

Cooperative education is an optional part of the MML program. No academic credit is given.

Salary Information (Avg/Range)

Not available. Most students are employed in operations, supply chain, manufacturing, or engineering positions at local firms.

Cost Savings

Each year MML Capstone projects save local companies hundreds of thousands of dollars through cost savings and process improvement initiatives. Capstone projects enable students to broaden the MML educational experience and gain additional visibility while providing direct financial benefits to their sponsoring organizations.

Student Skills & Capabilities

- Ability to make sound business decisions in a complex global economy
- Ability to manage the global supply chain
- Ability to manage global, multi-site production and operations
- Comprehensive understanding of quality and continuous improvement principles, with application to manufacturing and operations management
- Strong leadership and management skills applied to global high technology manufacturing

Manufacturing Leadership MS

Course Sequence MS degree

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The 48-credit MML program consists of 11 engineering and business courses, plus an integrative Capstone Project:

- Organizational Behavior and Leadership
- Supply Chain Management
- Quality Management
- Manufacturing Systems
- Systems and Project Management
- Global Facilities Planning
- Cost Accounting in Technical Organizations
- Product & Process Development and Design
- Systems Modeling & Decision Making
- Electives (2)

Capstone project

Students complete a project during the final year of the MML program, based on a real-world problem often identified in the students' companies. The corporate-oriented Capstone Integrative Project is directed at the solution of an operations management problem or process improvement initiative. It enables students to broaden the MML educational experience and demonstrate the knowledge and skills essential to operations leadership. The project provides immediate benefits to sponsoring organizations and is an excellent opportunity for students to gain visibility and recognition. Most projects result in substantial cost savings or improved efficiencies.

Selected Employers of Manufacturing Leadership Graduates:

AJL Manufacturing, Atofina, Ametek Power Instruments, Badge Machine, Bausch & Lomb, Caldwell Manufacturing, Car Engineering, Concentrix, Kodak, Delphi Automotive, Ferronics, General Motors, Gleason Works, Gorbelt, Graham Manufacturing, Grating Lab, Harris RF Communications, Heidelberg, Hon, Hover-Davis, IBM, ITT Goulds Pumps, Johnson & Johnson, Kraft Foods, Lapp Insulator, Mellesgriot, Mindex, Nichols Team, Optimax, Parker Hannifin, Redcom Labs, Rotork, Sentry Safe, Southco, Tabtronics, Tyco Plastics, Valeo, Wilson Greatbatch, Xerox.

Contact Us:

We appreciate your interest in hiring RIT co-op, graduating students or alumni. We will make every effort to make your recruiting endeavor a success. Call our office and ask to speak with Annette Stewart, the program coordinator who works with the Manufacturing Leadership MS program. For your convenience, you can access information and services through our web site at <http://www.rit.edu/recruit>.

Mark Smith, Director

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