Professional Master’s in Manufacturing Leadership

Developing the Next Generation of Manufacturing Leaders

pe.gatech.edu/cohort
Some aspiring leaders end up moving mountains for their organizations while others never reach their full potential. What makes the difference? Oftentimes it isn’t a lack of effort, but a lack of training and resources.

There are many components to great leadership and, let’s face it, everyone has strengths and weaknesses. That’s why promising leaders should have guidance in every area—especially those that aren’t second nature to them.

Professionals who aspire to these roles must acquire leadership skills and also get exposure to manufacturing best practices, such as:

- Leading business decision-making
- Executing manufacturing-improvement action plans
- Adjusting to changing business and financial goals
- Directing organizational change

To meet the unique requirements of these roles, Georgia Tech now offers a professional master’s degree in manufacturing leadership (PMML). Available in a convenient, hybrid format that combines face-to-face instruction with online learning, PMML provides the type of education that only a top-ranked technology and engineering university can deliver.
Earn an Advanced Degree from Georgia Tech

Georgia Tech’s Professional Master’s Degree in Manufacturing Leadership covers a variety of topics ranging from **technical competencies**, including sustainable system design and manufacturing continuous improvement, to **leadership skills**, like leading change and handling conflict. These offerings are the result of a **collaborative effort** by our **colleges of business and engineering**.

**Leadership Expertise**
Team leadership, industrial relations, conflict resolution, problem solving, strategic planning, leading innovation and change management

**Business Acumen**
Financial analysis of production systems, manufacturing strategy, capital project development and selection

**Manufacturing Best Practices**
Sustainable system design, manufacturing reliability, supply chain, Six Sigma, lean manufacturing, health and safety processes

**Elective Concentrations**
Foundational topics and emerging technology trends for specific manufacturing segments: **forest bioproducts**, **chemical manufacturing** and **discrete manufacturing**

The program culminates with the **Capstone Project**, a comprehensive team-based course. Paired with a mentor, each team tackles a **real-world industry problem** and presents the solution.

*Talented professionals* don’t have to put their careers on hold; they can continue to work and immediately apply what they’re learning to their current jobs.
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| **FALL 2016**  
Two 7-week courses | MGT 6114  
Leadership Development *(1-WEEK CAMPUS VISIT)*  
ISYE 6380  
Production Planning and Control |
| **SPRING 2017**  
Two 7-week courses | MGT 6753  
Principles of Management for Engineers  
ISYE 6381  
Manufacturing Reliability |
| **SUMMER 2017**  
One 7-week course | Elective 1  
(Choose one)  
MLDR 6701  
Foundational Topics in the Manufacturing of Forest Bioproducts  
MLDR 8813  
Foundational Topics in the Chemical Manufacturing Industry  
MLDR 8833  
Discrete Manufacturing 1 |

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| **FALL 2017**  
Two 7-week courses | ISYE 6383  
Manufacturing Supply Chain Operations  
MGT 6107  
Leadership and Organizational Change *(1-WEEK CAMPUS VISIT)* |
| **SPRING 2018**  
Two 7-week courses | ISYE 6382  
Quality Control and Lean Manufacturing  
Elective 2  
(Choose one)  
MLDR 8803  
Emerging Technology for Forest Bioproducts  
MLDR 8823  
Emerging Technology for the Chemical Manufacturing Industry  
MLDR 8843  
Discrete Manufacturing 2 |
| **SUMMER 2018**  
One 10-week course | MLDR 6800  
Manufacturing Leadership *(1-WEEK CAMPUS VISIT)*  
Capstone Design Challenge, Graduation |

**Important Dates:**  
Application deadline:  
June 1, 2016  
Program begins:  
August 22, 2016