



Industry Operations Leadership & Management

A McMaster University Professional Certificate Program

ENGINEERING
W Booth School of Engineering
Practice and Technology



INDUSTRY OPERATIONS LEADERSHIP & MANAGEMENT

A **MCMASTER UNIVERSITY** PROFESSIONAL
CERTIFICATE PROGRAM



Tailored Learning

The IOLM Program consists of **five** Industry-specific courses.

Tailor the training to meet your specific needs.

Modular Flexibility

Each course can be taken individually, and **independently** of each other.

Complete Value

A **sixth certificate** - The Industry Operations Leadership & Management Certificate will be awarded, to leaders that invest and complete all five courses.

Who Should Attend

- Directors
- Managers
- Supervisors
- Team Leaders
- Lead Hands
- Officers
- Senior NCO's



THE INDUSTRY OPERATIONS LEADERSHIP & MANAGEMENT PROGRAM

McMaster University in collaboration with The Strong Link have launched The Industry Operations Leadership and Management (IOLM) Professional Certificate Program. The IOLM Program is an **adaptable, modular**, practical, applied program aimed at managers and supervisors in industry.

An industry-first driven approach will enable candidates to learn directly from leaders in industry as well as academic instructors, to derive relevant, **real-world insights** and capabilities to drive transition and scale of their own industry business units.

This McMaster University Professional Certificate Program will inform, educate, mentor, and practically assess critical competencies needed to transform, sustain, and scale industry 4.0 operations.



Online Virtual Delivery

Remote immersive learning brought to you anywhere.



Duration

3 x 6 Hour Sessions



Regular Cost

\$2000 CAD + HST
\$1505.55 US + HST

Alumni Cost :
(After taking one of the IOLM
Program courses):

\$1500 CAD + HST
\$1137 USD + HST

Per Course



Canadian Manufacturer Cost (NGEN AMP UP)

\$750 CAD + HST

62.5% Off

Per Course

Qualifying through the NGEN
AMP UP Program

TAILOR YOUR TRAINING APPROACH

FLEXIBLE MODULAR COURSES



INDUSTRY OPERATIONS LEADERSHIP & MANAGEMENT

Candidates will be awarded the IOLM Professional Certificate upon successful completion of all five courses under the Industry Operations Leadership Management Program.

As well each of the five courses below awards a McMaster University Professional Certificate of Completion. To inquire about how this program can be best tailored to meet your business need, contact the program lead.

16 Nov 20

23 Nov 20

30 Nov 20



INDUSTRY 4.0 OPERATIONS LEADERSHIP FUNDAMENTALS

Overview: On the IOLF course candidates will gain a strong understanding of the anatomy of high-performance teams and industry 4.0 business unit operations.

The course will focus on high-performance leadership, strategic alignment, communication, tactical execution, disruption management, and performance management. Candidates will be able to assess, define, and optimize current leadership and operations approaches.

11 Jan 21

18 Jan 21

25 Jan 21



TACTICAL PLANNING & EXECUTION

Overview: The TPE course will enable candidates with the first-hand knowledge needed to develop a high-performance industry team, and the competencies needed to execute efficiently within an industry operation.

The candidates will focus on intent-based leadership, team development, tactical level operations execution, performance & disruption management, and driving continuous improvement. Candidates will be equipped to drive high-performance tactical industry operations.

08 Feb 21

22 Feb 21

01 Mar 21



INDUSTRY BUSINESS UNIT MANAGEMENT

Overview: The IBUM course candidates will develop the operational competencies and industry-insights needed to maneuver, sustain, and efficiently execute an industry business unit (IBU).

Candidates will focus on understanding the anatomy of an IBU, supply chain management, the digitization of industry operations, key operational tools, project planning, change management, strategies to scale, as well as threat & disruption management. Candidates will be equipped to undertake and optimize Industry 4.0 Business Unit Operation.

15 Mar 21

22 Mar 21

29 Mar 21



ADVANCED LEADERSHIP SKILLS

Overview: The ALS course is designed to solidify and elevate the leadership skills needed to develop, deploy, and drive high-performance teams.

Candidates will focus on cultivating a high-performance team culture, performance & change management, coaching & mentorship, conflict management, stakeholder buy in communication skills, and instructional technique. Candidates will be equipped with the skills needed to drive a high-performance industry team culture.

12 Apr 21

19 Apr 21

26 Apr 21



ADVANCED OPERATIONS MANAGEMENT

Overview: The AOM course will equip candidates with the competencies and strategies needed to scale industry 4.0 operations.

The course will focus on intent-based strategic execution, lean manufacturing techniques, sustainability, advanced project planning techniques, risk & financial management, cyber-security, forecasting & foreplanning, and auditing. Candidates will be able to assess, maneuver, and scale an industry business unit.

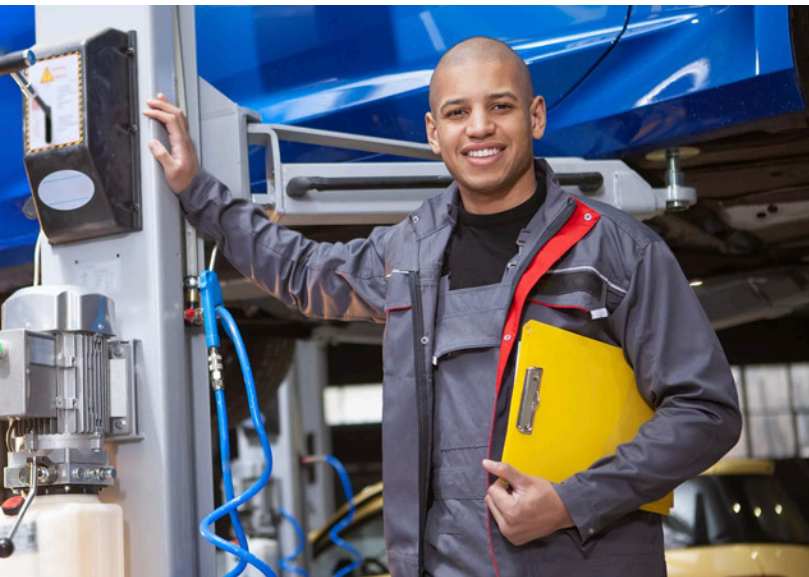


INDUSTRY OPERATIONS LEADERSHIP FUNDAMENTALS

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CERTIFICATE COURSE

KEY COURSE TAKEAWAYS

WHAT YOU'LL WALK AWAY WITH



1. You will be introduced to the next era of industry. In particular, how the industry leader will need to evolve to drive rapid adaptability and agility in order to enable businesses to innovate, transition, and scale to maintain competitive advantages.
2. You will develop a strong understanding of the attributes inherent to developing high-performance teams - first-hand from industry experts driving high-performance on a global scale.
3. You will gain an understanding of the principles, skills, and actions necessary to scale your own tactical level operations and teams - in order to set the conditions to execute high-performance operations.

DAY 1

- Introduce Industry 4.0 concepts and the future of factories, and advanced manufacturing.
- Learn about the attributes & psychology of high-performance teams.
- Gain insight on how to maneuver unioned employees and leverage HR resources to drive high-performance.
- Get introduced to high-stress management techniques, to sustain high performance.

DAY 2

- Gain an understanding of what strategic leaders look for from talented tactical-level leadership.
- Introduce the concepts of leadership 4.0, design thinking and the design mindset.
- Learn about The Strong Link Archetype, the asset-mindset, and key leadership styles.

DAY 3

- Understand the principles of communications that derive stakeholder buy-in.
- Understand how to cultivate a command team relationship.
- Gain insight into key principles of efficient business unit operations.
- Understand the principles of high-performing tactical execution.
- Gain an understanding of threat management techniques.
- Learn how to drive accountability in order to support high-performance operations.

VIRTUAL TRAINING

THAT GETS YOU AHEAD



Scale Your Career Progression

Take charge of your career and scale your competitive advantage by enhancing your leadership & operational skills, with the latest industry 4.0 fundamentals.

Retain Highly Talented Employees

Invest and improve retention of your highly skilled & talented employees by investing in their skill development, and career progression.

Sustainably Scale Performance

Scale performance, and drive down costs by cultivating a culture of innovation, determination, and extreme ownership - honed through the principles of industry 4.0.



PROGRAM LEAD

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<https://www.eng.mcmaster.ca/sept/mcmaster-certificate-completion-industry-operations-leadership-management-iolm>



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