

# ADVANCED OPERATIONS MANAGEMENT

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## Course Brochure

[www.mccmcmaster.ca](http://www.mccmcmaster.ca)



**ENGINEERING**  
W Booth School of Engineering  
Practice and Technology



# Overview

## Online Live

The Advanced Operations Management course will equip candidates with the competencies and strategies needed to scale industry 4.0 operations.

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

## Learning Objectives

- Gain an understanding of intent-based execution at work center/department level, scaling principles and best practices utilizing LEAN Manufacturing techniques, and Industry Business Unit Scaling Strategies.
- Participants will focus on securing operational continuity & audit preparation, an introduction to cyber-security principles, quality, cost and risk scaling strategies as well as principles of forecasting and foreplanning.
- Participants will be introduced to scaling an industry business unit from a quality and logistics function, execution of a temporary supply chain, sustainability management, contingency planning, succession planning, and driving an organizational culture to pivot or scale an industry business unit.

20

HOURS OF TRAINING

3

WEEKS

1

DAY A WEEK

## Enrollment Options

### Option 1: IOLM Program Participant | Industry Mentorship Program | Six Certificates

Most participants/businesses and organizations enroll as an IOLM Program Participant. The participants complete all five courses and enroll in the Group Mentorship Program.

**Letter of Recommendation:** Any participant who demonstrates a 10% or higher performance improvement, will receive a letter of recommendation recognizing their leadership performance improvement and their potential as a high-talent individual.

**Sixth Certificate:** Participants who complete the IOLM program will obtain a sixth certificate - Industry Operations Leadership & Management in addition to the five awarded for each course

### Option 2: Per Course

Complete one or more the IOLM courses in any order you wish. Course participants will not be enrolled under the Group Mentorship Program. A single Micro-Credential Certificate will be awarded for each course completed.



#### Live Online Teaching

Real-time interactive conference-style education brought to you anywhere.



#### Skilled Instructors & Industry Experts

Hear from academic instructors and experienced industry experts across disciplines.



#### Earn a McMaster Certificate

Walk away with a McMaster Certificate and practical skills to lead high-performance teams.



#### Accelerated Learning

Achieve more than you expected in each burst 60 - 90 minute topic sessions over 3 days.

## Industry Relevance

We bring together over fifty world-leading industry experts from over twenty different industry sectors to contribute as Guest Speakers, Panelists, and Mentors on the Industry Operations Leadership & Management Program; for a complete list, visit our website.

## Modules

### Module 1

- Gain an understanding of intent-based strategic execution and how to adopt it within your organization.
- Learn how to utilize the LEAN Methodology to scale an industry business unit.
- Understand specific strategies to both scale up and scale down an industry business unit.
- Gain an understanding of how to secure operational continuity and incorporate best practices to prepare for an audit.

### Module 2

- Understand the landscape of cyber security and how to develop a framework within your organization to manage cyber security threats.
- Understand how to scale an industry business unit through a quality function.
- Learn firsthand best practices and principles to incorporate risk and financial management during scaling operations.
- Understand how forecasting and foreplanning are adopted within an industry business unit.

### Module 3

- Understand how to stand up and execute a temporary supply chain.
- Develop an understanding of how to develop and incorporate a sustainability framework building on the principles of a circular economy.
- Develop a framework to anticipate and execute contingencies building on the principles of intent-based execution.
- Understand how to incorporate vertical and lateral succession planning for your workforce.
- Learn first-hand from leading industry executives how to drive organizational culture to pivot or scale an industry business unit.

## Tuition/ Fees

McMaster's Certificates of Completion are eligible for qualifying Canadian businesses and associations in collaboration with NGen Canada and the AMP UP Program to obtain a subsidy for our current offerings. Please add HST for Canadian applicants, and VAT for international applicants.

| <b>IOLM Program Participant</b> <ul style="list-style-type: none"><li>• All Five Courses</li><li>• Mentorship Program</li><li>• Six Certificates</li></ul> | <b>NGEN AMP UP / Association Cost</b> | <b>Alumni &amp; NGEN Member Cost</b> | <b>Regular Cost</b> |
|--|---------------------------------------|--------------------------------------|---------------------|
|  | <b>\$3,750 CAD</b>                    | <b>\$7,500 CAD</b>                   | <b>\$10,000 CAD</b> |
| <b>Per Course</b> <ul style="list-style-type: none"><li>• Course Certificate</li></ul>   | <b>NGEN AMP UP / Association Cost</b> | <b>Alumni &amp; NGEN Member Cost</b> | <b>Regular Cost</b> |
|  | <b>\$750 CAD</b>                      | <b>\$1,500 CAD</b>                   | <b>\$2,000 CAD</b>  |

## Registration & Course Dates

New applicants can view & register for upcoming courses at [www.mccmcmaster.ca](http://www.mccmcmaster.ca)

## Take The Next Step

Ready to enroll?  
Do you have questions about the McMaster certificate course?  
Our team is here to help.

- Determine if this program is right for you or your organization
- Learn more about McMaster's certificate programs

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## CONTACT US



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