

# McMaster Certificate of Completion and Professional Training

## What it is:

A unique and innovative professional upskilling program, led, designed, and taught by industry experts. Students get free access to online resources and tools to support their career pathways and organizations growth.

## Delivery model:

Courses can be taken separately or stacked up and each one grants a microcredential from McMaster University.

Online, Face to face and blend, in burst of 20hrs over 3 days.

Learning opportunities in group setting and based on problem solving.

Networking and sharing best practices.

## Programs & typical audience:

Circular Economy (CE)	Advanced Manufacturing & Industry 4.0 (AMI4)	Operations Leadership & Management (IOLM)
<ol style="list-style-type: none"> <li>1. Circular Economy</li> <li>2. Carbon Mitigation</li> <li>3. Leading Transition</li> </ol>	<ol style="list-style-type: none"> <li>1. Industry 4.0 &amp; Cyberphysical Systems</li> <li>2. Internet of Things, Big Data, AI and Cybersecurity</li> <li>3. Advanced Manufacturing, Quality 4.0, Supply Chain</li> <li>4. Automation</li> </ol>	<ol style="list-style-type: none"> <li>1. Fundamentals of Current &amp; future leaders</li> <li>2. Tactical Planning &amp; Execution</li> <li>3. Business Unit Management</li> <li>4. Advanced Leadership Skill</li> <li>5. Advanced Business Unit</li> </ol>
<p>Leaders in strategic role with a global portfolio.</p> <p>Professionals, in charge of a business unit transitioning toward a more sustainable business practice.</p> <p>Professionals with a portfolio in design, supply chain, maintenance.</p>	<p>Professionals in a technical role in support to industry.</p> <p>Leaders who require a digital literacy to de-risk the integration of technologies.</p> <p>Professionals with a complex portfolio such as supply chain, maintenance, quality, operations.</p>	<p>High potential candidates, lead hands, supervisors, managers &amp; directors.</p> <p>Professionals with direct and/or indirect reports.</p> <p>Employees in roles where teamwork and accountability are important (trades...).</p>

**Feedback:**

More than 250 trainees, 90% industry professionals

Core Feedback	Agree	Strongly agree
I gain valuable knowledge that I can use in my work.	17%	83%
I was exposed to best practices that I can use.	16%	84%

**Dates:**

Course	Program	Date
Leading Transition	CE	24-26 March 2021
Advanced Business Unit Execution	IOLM	12, 19, 26 April 2021
Advanced Manufacturing & Hybrid Engineering	AMI4	28-30 April 2021
Automation	AMI4	Early May 2021
Operations Leadership Fundamentals	IOLM	June 2021 (tentative)
Tactical Planning & Execution	IOLM	September 2021 (tentative)
Carbon Mitigation	CE	September 2021
Circular Economy	CE	October 2021

**Course cost:**

- \$2,000 + HST, in line with other professional training courses with the relevancy and caliber of trainers.
- NGen Ampup program for 2020: \$750 + HST for companies, \$750 flat for NGen portion.
- Canada Ontario Job Grant opportunity:
  - 1/6<sup>th</sup> of cost for small enterprises (less than 100 employees), 5/6<sup>th</sup> of cost covered by COJG.
  - 50% of cost for large enterprises (more than 100 employees).

## Testimonials

### Industry Operations Leadership Fundamentals

The Industry Operations Leadership Fundamentals Course provides a very detail introduction of what is Industry 4.0 which is unclear for many of us. It also introduces the Strong Link Archetype which provides a very specific and practical model of leadership intended to learn and develop tools, techniques and leadership styles for the Industry 4.0 environment combined with specific methodologies or techniques to enable leaders with powerful tools for project and resources management. The Professors and Guest Speakers have a great balance between academical and practical experience, providing useful and practical tools and techniques to transfer the acquired knowledge into immediate action. In my particular case as a Plant Manager at Tesla, understanding the Industry 4.0 environment, and the upcoming trends and technologies in manufacturing, is providing me with a different perspective to better understand the challenges that my team and I are and will be facing in the following years and as well to better lead and manage the new generations that are developing in this fast changing and technologically advanced environment.

#### Leonardo Guerrero

Plant Manager

Tesla



### Leading Transition & Carbon Mitigation

McMaster's Leading Transition and Carbon Mitigation courses helps sustainability professionals of all levels navigate through today's carbon economy. With a number of industry speakers, the courses successfully bridges theory and application.

#### Alvin Baldovino

Assistant Director Engineering Operations

McMaster University



### Industry Operations Leadership Fundamentals

Great course with practical tools! The Industry Operations Leadership & Management course is great for new supervisors and managers looking to create highly effective teams. The course outlines a practical way to communicate expectations and deliverables ensuring accountability across each team member and increasing engagement across the team. The use of practical examples and experiences from the course instructor and each mentor proves that these tools work. If you are looking for ways to increase productivity and ensuring accountability, this is the perfect course.

#### Joe Figliomeni

Director of Business Operations

Princess Margaret Cancer Foundation



### Circular Economy, Carbon Mitigation, Leading Transition

After completing all three courses in the Circular Economy & Carbon Mitigation program my eyes were opened to a number of new ideas. I gained knowledge and perspective to leverage UN Sustainable Development Goals in my corporate sustainability strategy. The courses also equipped me with tools and understanding to not only measure and evaluate the success of our corporate sustainability strategies, but to pass this learning on to my colleagues. Thanks to the team at McMaster for producing such a high-quality professional program.

#### Daniel Carrocci

President

Determination Drilling



### Circular Economy, Carbon Mitigation, Leading Transition

I had the pleasure of participating in the first Circular Economy certification course presented by McMaster University's W Booth School of Engineering Practice and Technology. It was a room full of changemakers with diverse backgrounds and a common goal; to learn how to help move their industry toward a circular economy. The course left me feeling inspired and empowered with the tools to play a role in this important transition.

#### Taylor Stimpson

Junior Research Associate

EcoPackers Inc.



### Circular Economy

McMaster's Circular Economy Certificate Course was well designed, well executed and a course that I would highly recommend to sustainability practitioners across all industries. The instructor, as well as the presenters, included both theoretical and practical content. The interactive exercises were also a highlight.

#### Amy Sandhu

Head of Sustainability & Government Relations

BASF Canada



### Industry Tactical Planning & Execution

The MacMaster IOLF had a great selection of very knowledgeable presenters from a variety of fields who were able to discuss the impacts of key theories in practice based on their experience. I was particularly impressed with the consideration McMaster had in bringing in a speaker to address mental health within the context of managing. It is a topic often cited as important, but rarely are managers provided tools to deal address it.

#### Thanuja Rukman

Manager

Department of National Defence

