



2021-2022 Schedule

Asset Management Professional

Certified Asset Management Assessor

Maintenance Management Professional

Developed and authorized by:



**NORTHERN LAKES
COLLEGE**

CONTINUING EDUCATION &
CORPORATE TRAINING

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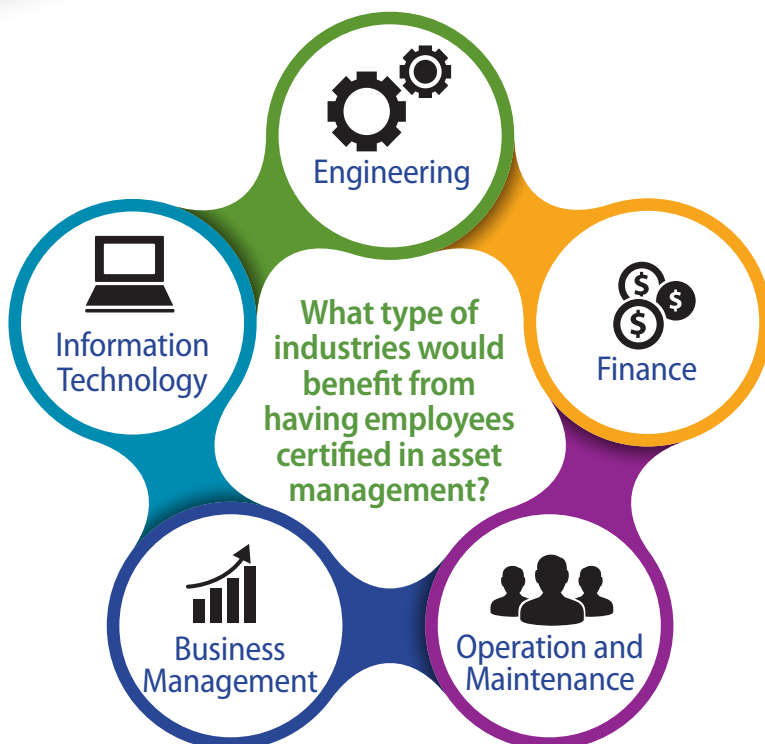
Direct 780-849-8623

Office Hours: Monday to Friday 8:15 a.m. - 4:30 p.m.



ASSET MANAGEMENT PROFESSIONAL (AMP)

The program is designed for mid-career professionals and senior managers, in both the private and public sectors, who have responsibility for managing decisions with respect to the core lifecycle functions such as design, selection, operation, and maintenance of an organization's assets.



Asset Management Professional (AMP)

The Program

The program is comprised of six courses. Course 1 is the pre-requisite course for Courses 2-5. You must complete Courses 1 to 5 before taking Course 6. All courses are delivered NLC Anytime, Anywhere (asynchronously) over ten weeks with lessons delivered weekly. Each course is broken down into 'weeks' of work. You can do your weekly assignments on your own schedule. You will connect with your classmates and instructor (for the most part) through online discussion forums.

Completion of the AMP program leads to the Certified Asset Management Professional (CAMP™) designation issued by PEMAC.

\$875 DISCOUNTED price up to eight days before course starts, \$895 when registering seven days or less before course starts. Students are responsible to purchase their own textbooks.

COURSE 1: ASSET MANAGEMENT PRINCIPLES AND STRATEGIC DEVELOPMENT

Course Code: AMP001

Prerequisite: None

Gain an overview of the essentials of Asset Management in the context of ISO 5500x and identify opportunities for application of Asset Management concepts in your organization to realize value. Begin to discover Asset Management decision-making tools.

October 5 - December 13, 2021
January 18 - March 28, 2022
April 12 - June 20, 2022

COURSE 2: ASSET MANAGEMENT CAPABILITIES DEVELOPMENT

Course Code: AMP002

Prerequisite: Course 1: Asset Management Principles and Strategic Development

Learn how to develop the organizational capability for engaging the workforce to achieve excellent Asset Management performance. Topics include organizational structure analysis to identify changes needed for a holistic asset management approach, change management, project management, systems thinking, training needs assessment, customer supplier relationships, adaptive organizations and cultural discipline.

October 5 - December 13, 2021
January 18 - March 28, 2022
April 12 - June 20, 2022

COURSE 3: RISK MANAGEMENT AND PERFORMANCE IMPROVEMENT

Course Code: AMP003

Prerequisite: Course 1: Asset Management Principles and Strategic Development

Obtain an overview of risk management tools and techniques and how these techniques can be used to drive performance improvement through the planning, decision-making and operational phases of any corporate objective. See risk management in the context of holistic Asset Management in which all classes of assets are included: physical assets/equipment, knowledge/information assets, human resources and strategy assets.

October 5 - December 13, 2021
January 18 - March 28, 2022
April 12 - June 20, 2022

COURSE 4: DEVELOPING AND IMPLEMENTING ASSET LIFECYCLE DELIVERY ACTIVITIES

Course Code: AMP004

Prerequisite: Course 1: Asset Management Principles and Strategic Development

Gain an understanding of different characteristics and requirements for managing assets through the asset lifecycle delivery stages from asset acquisition, through asset operations and maintenance, to asset disposal. Learn when to use various strategies and tactics and practice applying them to real-world examples.

October 5 - December 13, 2021
January 18 - March 28, 2022

COURSE 5: ASSET KNOWLEDGE MANAGEMENT

Course Code: AMP005

Prerequisite: Course 1: Asset Management Principles and Strategic Development

Study asset information and knowledge management across the full asset lifecycle from the front-end engineering design through to the "operate and maintain" phase and eventually to asset retirement. Referring to ISO 14224, the course provides a strategic level view of the important role that information and knowledge management play in an asset dependent organization.

January 18 - March 28, 2022

COURSE 6: ASSET MANAGEMENT CAPSTONE

Course Code: AMP006

Prerequisite: AMP Courses 1 through to 5

In this course, you will review the elements of the previous courses and take the opportunity to bring the concepts together in an applied project. The project requires the development of an Asset Management Policy and Strategy for an organization as well as the development and implementation of an Asset Management Plan for a particular class of assets.

April 12 - June 20, 2022

Completion of the AMP program leads to the Certified Asset Management Professional (CAMP™) designation issued by PEMAC.

Certified Asset Management Assessor Preparation

Prepare yourself to write the Certified Asset Management Assessor Exam!

No time to study for the CAMA exam?

CERTIFIED ASSET MANAGEMENT ASSESSOR PREPARATION

Course Code: CAMA01

Prerequisite: Must have a minimum five years of working experience in asset management and should have working knowledge of ISO 5500x Standards and understand the GFMAM Competency Specification for an ISO 55001 Asset Management System Auditor/Assessor.

Reduce your pre-exam stress by spending time with the experts. This course is designed to give individuals an efficient overview of the recommended preparation material for the CAMA exam. These materials provide insight into the ISO 5500x framework of documents, the GFMAM Asset Management Landscape, and the GFMAM Competency Specification, which indicates what ISO 5500x Asset Management Systems Assessors must know to complete that task effectively.

Tuesdays and Thursdays

November 16 - December 7, 2021

3:30 p.m. - 5:30 p.m.

Tuesdays and Thursdays

February 15 - March 8, 2022

5:00 p.m. - 7:00 p.m.

Wednesdays and Thursdays **May**

11 - May 19, 2022

8:30 a.m. - 1:00 p.m. (May 11/12)

8:30 a.m. - 12:30 p.m. (May 18/19)

NLC LIVE Online™

\$649 +GST DISCOUNTED price up to eight days before course starts, \$699 +GST when registering seven days or less before course starts.

All times are Mountain Time Zone.



FREE AMP/MMP/CAMA Information Sessions

Take advantage of the opportunity to discuss with a group of peers and the facilitators!

PEMAC Education and Global Certification

NLC LIVE ONLINE™

In this 90 minute information session you will find out more about becoming a designated Asset Management Professional (AMP) or a Maintenance Management Professional (MMP), Certified Asset Management Assessor Preparation (CAMA) course along with Global Certification information.

October 19, 2021	10:00 a.m. – 11:30 a.m.
February 16, 2022	4:00 p.m. – 5:30 p.m.
June 9, 2022	12:00 p.m. – 1:30 p.m.

MAINTRAIN
September 28-29 2021

Maintenance, Reliability
and Asset Management
Online Conference



Canada's largest annual maintenance and physical asset management conference exhibition and networking event, MainTrain gathers leading experts, practitioners and professionals from across Canada and around the world to share their insights and strategies that support professionals and their organizations. We look forward to seeing you online!

Continuing Education & Corporate Training



MAINTENANCE MANAGEMENT PROFESSIONAL (MMP)

The Program

The Maintenance Management Professional Certification program is designed for operations and maintenance managers in asset intensive industries who want to learn maintenance best practices. The program focuses on the tools, techniques, strategies, and skills necessary for management of a business and its existing physical assets. Developed and authorized by PEMAC Asset Management Association of Canada, Canadian leaders in asset management, the program leads to a Canadian Maintenance Management Professional designation, MMP.

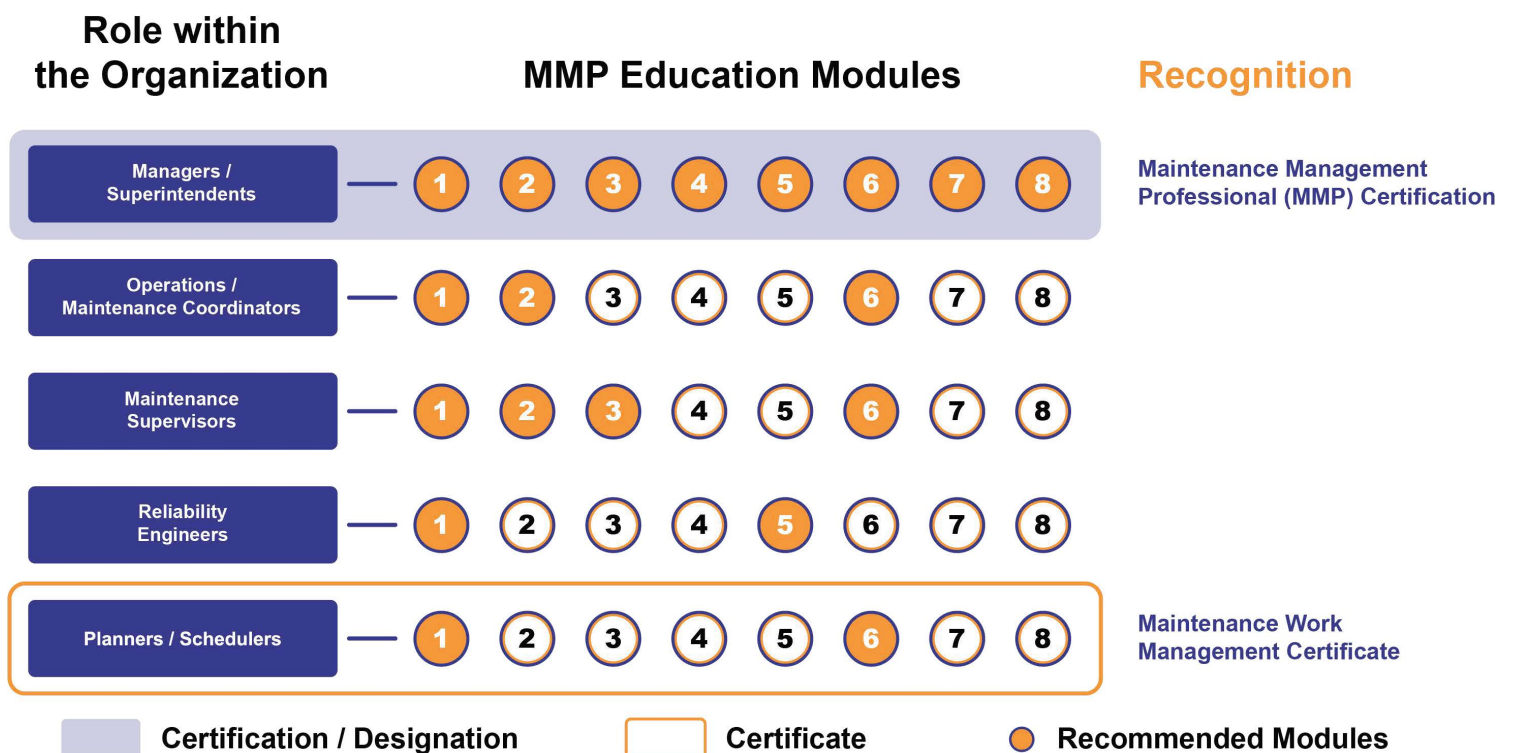
NEW Maintenance Work Management Certificate

MMP Module 1 and 6

In support of focused learning paths, PEMAC launched the Maintenance Work Management Certificate, designed for maintenance practitioners such as planners, schedulers, supervisors, coordinators, as well as other operations personnel who work alongside maintenance. Practitioners who complete Module 1 and 6 of the MMP program are eligible to apply for this certificate which recognizes an individual's understanding of the benefits of an integrated maintenance management strategy and the fundamental principles of work management processes, with an emphasis on maintenance work planning, scheduling, and coordination methods.

Choose the Maintenance Management Professional (MMP) modules that are right for your career and your role within the organization.

Full MMP certification/designation requires Modules 1-8.



Maintenance Management Professional (MMP)

MODULE 1: AN INTEGRATED STRATEGY FOR MAINTENANCE MANAGEMENT

Course Code: MMP001

Prerequisite: None

This module introduces you to an integrated and holistic approach to maintenance and asset management.

August 30 - October 4, 2021

Mondays 3:30 p.m. – 6:30 p.m.

October 6 - November 3, 2021

Wednesdays 12:00 p.m. – 3:00 p.m.

November 8 - December 6, 2021

Mondays 6:30 p.m. – 9:30 p.m.

January 20 - February 17, 2022

Thursdays 3:30 p.m. – 6:30 p.m.

March 2 - March 30, 2022

Wednesdays 6:30 p.m. – 9:30 p.m.

May 3 - May 31, 2022

Tuesdays 12:00 p.m. – 3:00 p.m.

MODULE 2: PRODUCTION AND OPERATIONS MANAGEMENT FOR THE MAINTENANCE MANAGER

Course Code: MMP002

Recommended Prerequisite:
Module 1: An Integrated Strategy for Maintenance Management

This module links maintenance strategies with those of production and operations.

August 31 - November 2, 2021

Tuesdays 6:30 p.m. – 9:30 p.m.

November 9 - January 25, 2022

Tuesdays 12:00 p.m. – 3:00 p.m.

November 10 - January 26, 2022

Wednesdays 3:30 p.m. – 6:30 p.m.

February 1 - April 5, 2022

Tuesdays 6:30 p.m. – 9:30 p.m.

April 13 - June 15, 2022

Wednesdays 3:30 p.m. – 6:30 p.m.

MODULE 3: HUMAN RESOURCE MANAGEMENT FOR THE MAINTENANCE MANAGER

Course Code: MMP003

Recommended Prerequisite:
Module 1: An Integrated Strategy for Maintenance Management

In this course, you will look at how human resources practices relate to the maintenance environment.

September 1 - November 3, 2021

Wednesdays 3:30 p.m. – 6:30 p.m.

November 9 - January 25, 2022

Tuesdays 6:30 p.m. – 9:30 p.m.

February 2 - April 6, 2022

Wednesdays 3:30 p.m. – 6:30 p.m.

February 3 - April 7, 2022

Thursdays 12:00 p.m. – 3:00 p.m.

April 14 - June 16, 2022

Thursdays 6:30 p.m. – 9:30 p.m.

MODULE 4: FINANCIAL MANAGEMENT FOR THE MAINTENANCE MANAGER

Course Code: MMP004

Recommended Prerequisite:
Module 1: An Integrated Strategy for Maintenance Management

In this course, you will focus on the application of accounting and finance principles as it pertains to the maintenance management role.

September 2 - November 4, 2021

Thursdays 6:30 p.m. – 9:30 p.m.

November 8 - January 24, 2022

Mondays 3:30 p.m. – 6:30 p.m.

February 3 - April 7, 2022

Thursdays 6:30 p.m. – 9:30 p.m.

April 12 - June 14, 2022

Tuesdays 3:30 p.m. – 6:30 p.m.

April 13 - June 15, 2022

Wednesdays 12:00 p.m. – 3:00 p.m.

MODULE 5: DEVELOPING AND IMPLEMENTING MAINTENANCE TACTICS

Course Code: MMP005

Recommended Prerequisite:
Module 1: An Integrated Strategy for Maintenance Management

This module focuses on maintenance efforts with the goal to ensure that physical assets safely, capably, reliably, and repeatedly perform to their designed specifications. The focus is on techniques to develop maintenance tactics that will address how the assets are used, how they are likely to fail, the consequence of failure, and identify maintenance tactics that are both feasible and worth doing.

September 2 - November 4, 2021

Thursdays 3:30 p.m. – 6:30 p.m.

February 2 - April 6, 2022

Wednesdays 6:30 p.m. – 9:30 p.m.

April 14 - June 16, 2022

Thursdays 3:30 p.m. – 6:30 p.m.

MODULE 6: MAINTENANCE WORK MANAGEMENT

Course Code: MMP006

Recommended Prerequisites: MMP Modules 1 through to 5

In this course, you will study the fundamentals of the work management processes, look at the key steps in the process, and get a more detailed overview of the basics of planning, scheduling, and work coordination methods.

September 1 - November 3, 2021

Wednesdays 6:30 p.m. – 9:30 p.m.

November 9 - January 25, 2022

Tuesdays 3:30 p.m. – 6:30 p.m.

February 3 - April 7, 2022

Thursdays 6:30 p.m. – 9:30 p.m.

April 13 - June 15, 2022

Wednesdays 3:30 p.m. – 9:30 p.m.

MODULE 7: COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEMS

Course Code: MMP007

Recommended Prerequisites:
MMP Modules 1, 5 and 6

In this course you will study the features, benefits, and effective use of a computerized maintenance management system or Enterprise Asset Management computerized maintenance work management process.

August 31 - November 2, 2021

Tuesdays 3:30 p.m. – 6:30 p.m.

November 10 - January 26, 2022

Wednesdays 6:30 p.m. – 9:30 p.m.

February 1 - April 5, 2022

Tuesdays 3:30 p.m. – 6:30 p.m.

MODULE 8: MAINTENANCE MANAGEMENT CAPSTONE PROJECT

Course Code: MMP008

Prerequisite: MMP Modules 1 through 7

In this course, you will select a project that will audit, assess, and improve your current maintenance department or develop a new maintenance strategy in your company.

November 9 - January 25, 2022

Tuesdays 6:30 p.m. – 9:30 p.m.

April 13 - June 15, 2022

Wednesdays 3:30 p.m. – 6:30 p.m.

MMP Tuition

Module 1:

\$495 DISCOUNT up to eight days before course starts
\$525 when registering seven days or less before course starts

Modules 2 through to 8:

\$895 DISCOUNT up to eight days before course starts
\$925 when registering seven days or less before course starts

Textbook Prices

Hard Copy

Module 1 \$90.00
Module 2 \$135.00
Module 3 \$150.00
Module 4 \$140.00
Module 5 \$70.00
Module 6 \$65.00
Module 7 \$60.00
Module 8 No textbook

Textbook Prices

E-Copy

Module 1 \$90.00
Module 2 \$125.00
Module 3 \$140.00
Module 4 \$70.00
Module 5 \$70.00
Module 6 \$60.00
Module 7 No E-copy
Module 8 No textbook

Textbook Shipping Prices

Shipping within Canada \$30.00
Shipping within United States \$109.00
Shipping Internationally \$225.00

If registered within seven days of the course start date, extra shipping fees apply.

*Textbook and shipping prices do not include GST and are subject to change.

All times are Mountain Time Zone.

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NORTHERN LAKES
COLLEGE

Northern Lakes College offers quality and timely programming through our innovative Supported Distance Learning (SDL) model, which includes NLC LIVE Online™ and NLC Anytime, Anywhere. SDL allows Northern Lakes College to provide programming and just-in-time training to students at home, work, or on the go! Network with maintenance and asset management professionals from across the country and around the world, while learning maintenance and asset management best practices. Earn your MMP or CAMP™ designation with Northern Lakes College. Start Here. Go Anywhere.

PRIVATE COURSE TRAINING

Northern Lakes College understands that every organization is different, and has different training needs, which is why we offer a wide range of courses that are customizable, so the training suits your needs. Courses can be delivered according to your timetable and offered in two online formats.

NLC Anytime, Anywhere: Courses where you do not have scheduled classes, but where you log in to a program online at any time and do your work.

Available to groups of businesses upon request: Courses offered through **NLC LIVE Online™**, is where students have scheduled classes online, students log in to a program with instructors and peers on the same day, at the same time. Prices will be quoted upon request

We can also customize any of the training to meet your needs!