

QUALITY ENGINEERING MANAGEMENT - PROGRAM PLAN

2 YEAR - ONTARIO COLLEGE GRADUATE CERTIFICATE

SEPT 2023 INTAKE (FALL)

All courses have a minimum passing grade of 50%. A minimum of 60% GPA is required for graduation.

FALL 2023 SEMESTER 1 (SEPTEMBER - DECEMBER) - 7 COURSES

TOTAL HOURS: 266

QEMG 1000 Basic Statistics for Process Control CREDIT VALUE: 3	QEMG 1001 Lean Production and Supply Chain Quality Management Systems CREDIT VALUE: 3	QEMG 1002 Problem Solving and Decision Making Techniques CREDIT VALUE: 3	QEMG 1003 Quality Strategy and Value Creation CREDIT VALUE: 3	QEMG 1004 Geometric Dimensioning and Tolerance (GD&T) CREDIT VALUE: 2	QEMG 1005 Professional Communication in Canadian Industry CREDIT VALUE: 2	QEMG 1006 Metrology & Measurement Systems, Material & Testing CREDIT VALUE: 3
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WINTER 2024 SEMESTER 2 (JANUARY - APRIL) - 8 COURSES

TOTAL HOURS: 280

PREREQUISITE QEMG 1000	PREREQUISITE QEMG 1000	PREREQUISITE QEMG 1000	PREREQUISITE QEMG 1000	PREREQUISITE QEMG 1000	PREREQUISITE QEMG 1000		
QEMG 2000 Advanced Statistics for Process Control CREDIT VALUE: 3	QEMG 2006 Quality Planning CREDIT VALUE: 2	QEMG 2002 Total Quality Management CREDIT VALUE: 3	QEMG 2003 ISO 9001/International Standard for Quality CREDIT VALUE: 3	QEMG 2004 Lean Six Sigma CREDIT VALUE: 3	QEMG 2005 Software Products for Quality Assurance CREDIT VALUE: 2	QEMG 2001 Continual Improvement Techniques CREDIT VALUE: 3	QEMG 2015 Co-op and Canadian Career Search Prep 1 CREDIT VALUE: 3

SPRING 2024 - ACADEMIC BREAK (MAY - AUGUST)

FALL 2024 SEMESTER 3 (SEPTEMBER - DECEMBER) - 8 COURSES

TOTAL HOURS: 280

PREREQUISITES QEMG 2000, 2001, 2002, 2003, 2004, 2006			PREREQUISITE QEMG 1001		PREREQUISITE QEMG 1000	PREREQUISITE QEMG 2005	
QEMG 2008 Quality Systems Auditing CREDIT VALUE: 3	QEMG 2007 CAN Industry Quality Pract CREDIT VALUE: 3	QEMG 2009 Reliability Engineering CREDIT VALUE: 3	QEMG 2010 SCM QM Modules CREDIT VALUE: 3	QEMG 2011 CAN Workplace H&S CREDIT VALUE: 3	QEMG 2012 Emerging Topics in CAN CREDIT VALUE: 2	QEMG 2013 Advanced Design of Experiments CREDIT VALUE: 2	QEMG 2016 Co-op and Canadian Career Search Prep 2 CREDIT VALUE: 1

To be eligible for CO-OP or AIP, you must have passed all your courses and have a weighted GPA of 60% or higher.

WINTER 2025 SEMESTER 4 (JANUARY - APRIL) - 2 COURSES

TOTAL HOURS: 490

	CO-OP PLACEMENT OR APPLIED INDUSTRY PROJECT	
QEMG 3002 Professional Certification Preparation	QEMG 3000 Co-op Work Placement	QEMG 3001 Applied Industry Project - Quality Engineering Management
You will work toward certification in the most in-demand proprietary certifications to enhance your employability attributes upon graduation.	Co-op is a work integrated experience built into post-secondary programs to allow you to get hands on experience in your field of study while applying your academic studies. The integration of formal learning practices with developmental learning opportunities helps to enhance and consolidate the knowledge, skills, abilities and attitudes of emerging professionals. This is also an opportunity to interact and demonstrate your skills to potential employers.	This option is only available under extenuating circumstances and students will need the approval of the Academic Vice-President. The integration of formal learning practices with developmental learning opportunities helps to enhance and consolidate the knowledge, skills, abilities and attitudes of emerging professionals. The industry project will be performed on the College campus under the guidance of the College faculty.