AUTO-8030-01/ Engineering Project Management, Automotive Lean and Quality Processes	**This course will examine the basic principles and tools used in engineering project management through topics such as project scope definition, consideration of time, cost, risk, procurement, and stakeholder management. The course will also review topics associated with the principles of process management used in lean manufacturing (the 5 Lean Principles, House of Value and 6S attributes) and specialized automotive quality processes such as design failure modes and effects analysis (DFMEA), production part approval process (PPAP). and advanced product quality planning (APQP) that are used in the auto industry to ensure on-time delivery of the right product with the right attributes, overall product quality and sound financial management of product development processes. Principles, methods, and best practices (such as life cycle analysis), Poka-Yoke design, design for manufacturability and assembly (DFMA) that are used by industry to reduce waste and operate more efficiently will also be covered.**		**0.5**
AUTO-8040-01/ Vehicle Propulsion	**This course will provide an examination of propulsion systems such as clean burning IC engine propulsion, electric vehicle (EV) propulsion (battery, hybrid, plug-in hybrid) and fuel cell electric vehicle propulsion. Topics will include combustion processes and pollution prevention for IC engines, and chemical and material properties and processes for electric propulsion along with key performance metrics. Charging systems and their integration with, and influence on, the electric power grid and potential future developments will be reviewed.**		**0.5**
GENG-1102-01/ Engineering Graphics	**Visualization techniques, graphical communication using sketching, descriptive geometry, and computer-aided design (CAD) for orthographic projection, pictorial drawings, dimensioning, section views, and auxiliary views. Reading engineering drawings. Engineering graphics e-portfolio and CAD project to develop visualization skills and task completion skills.**	**R - Must have Knowledge of DRAFTING: Sketching, orthographic views, auxiliary views, section views, familiar with mechanical drafting conventions/standard, Knowledge of AutoCAD software, only 2D - Drafting and Annotation Workspace and fluent in English.** **P - Previously taken/GA'd the course**	**1**
GENG-2201-01/ Engineering Design II	**This course covers: problem formulation, functional requirements and constraints, competitive evaluation and areas of improvement, conceptual design through ideation sketches, selection of design, communication of the design solution, prototype construction, testing, iteration, reporting. Includes team work to develop personal, partnership, leadership, and task completion skills.**	**R - Familiar with MATLAB essential** **P - Previously taken or GA'd the course**	**5**

Course # and Name	Course Description	R=Required / P=Preferred Skills	# of projected positions **0.5 = 70 hrs** **1 = 140 hrs**
GENG-2220-01/ Probability and Statistics for Engineering	**Treatment of engineering data using the concepts of frequency distribution; measures of central tendency and dispersion. Probability; random variables; discrete and continuous distributions. Tests of hypotheses; estimation; goodness-of-fit test; linear regression and correlation. Applications using computers in engineering design problems, quality control, and manufacturing processes.**	**R - Experience with Intermediate Statistics, Microsoft Excel required.** **P - Previously taken/GA'd the course preferred.**	**10.5**
GENG-3400-60/ Mechatronics System Design	**This course will introduce concepts to integrate mechatronic components such as mechanical, electronic, optical and computer programming. Basic concepts and fundamental principles in mechatronic system-based design for automation, packaging and other applications will be reviewed. Students will develop the knowledge and skills necessary to adopt an interdisciplinary approach to mechatronic system design. The hands-on laboratory activities will assist in developing the skills in designing and troubleshooting integrated mechatronic systems. Students will be organized into teams of three or four students, and each team will be proposing, conceptualizing, designing, building and demonstrating a significant hands-on mechatronic project. Through this course and team project the students will be prepared for the final Capstone Mechatronics.**	**P - Previously taken/GA'd the course**	**0.5**
GENG-4300-60/ Intelligent and Digital Manufacturing	**Manufacturing methods are shifting towards smart tools that are adaptive and self-aware. This course will introduce concepts and components for intelligent machining tools and interfacing them with digital manufacturing that will create the knowledge of Industry 4.0. Integration of smart sensors and controls, data processing, interconnected machines, digital link between design and production, analysis of manufacturing processes and supply chains will be discussed.**	**P - Previously taken or GA'd the course**	**0.5**
GENG-4500-60/ ECE-Artificial Intelligence and Machine Learning	**This course is an introduction to the area of Artificial Intelligence and designing intelligent machines. Artificial intelligence aims to understand thinking and intelligence in ways that enable the construction of computer systems that are able to reason in uncertain environments. Work in AI has supported the development of driverless cars and house-cleaning robots as well as systems that have defeated world chess champions and planned space explorations.** **The course has three core sections: search, representation, and uncertainty. Each section will provide a thorough understanding of major approaches, representational techniques and core algorithms. Students completing this course will have an in-depth understanding of three core areas of AI and the connections among them, and with such other key AI areas as machine learning, robotics, natural language processing and multi-agent systems.**	**P - Previously taken or GA'd the course**	**0.5**
GENG-8040-40/ MEM - Engineering Management Capstone	**This is a jointly instructed and administered course between the Faculty of Engineering and the Odette School of Business. The course is the last course students take in the Masters of Engineering Management program and has mandatory prerequisites. The goal is to allow students to practice all business and management theory they learned in previous courses by completing one of: 1) an engineering management report 2) an engineering feasibility study, or 3) a new venture business plan. This course is entirely project-based.**	**P - Previously GA'd the course is preferred**	**0.5**

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GENG-8060-40/INDE-8900-04 Strategic Entrepreneurial Management	**This course introduces the basic principles and techniques of start-up creation. The focus of the course is on nurturing the skills required to develop a successful business model for a new venture. First, students learn to assess the commercial viability of a new product or service. Then, they learn techniques to identify and validate the key value propositions for a start-up. They also employ the lean startup methodologies to define and segment the market, identify adequate revenue streams, and assess distribution channels. Also, students learn how to design and develop a minimum viable product and identify risks associated with market entry. Finally, students explore the financial and legal aspects of a startup. Attention is also given to aspects of sustainability, diversity, and ethics. (Restricted to students in the Master of Engineering Management program.)**	**P - Previously taken or GA'd the course**	**0.5**
INDE-3150-01/ Product and Process Design	**Engineering design and work measurement principals are studied and applied to quantify and reduce the base engineered assembly content of automotive product designs. Non traditional methods for designing and building products for profit are studied with a goal of minimizing total assembly costs, manual labour and associated ergonomic injuries. Recent advances in manufacturing driven product designs in the automotive industry are presented to educate students on the contributions of product designs to the minimization of assembly costs, assembly labour content and the risk of injuries.**	**R - Applicants need to be confident they can teach well MODAPTS, BasicMOST and Traditional Time Study.** **P - Previously taken the course**	**0.5**
INDE-4000-01/ IE senior capstone design	**Student teams, supervised by faculty, undertake a significant design project, which integrates mathematics, basic sciences, engineering sciences and complementary studies in making informed, thoughtful and creative decisions in devising a product, system, component, or process to meet specified needs. It is a creative open-ended and generative activity often iterative and multidisciplinary, subject to constraints which may be governed by corporate standards or applicable legislation to varying degrees depending upon the project. These constraints may relate to economic, health, safety, environmental, social or other pertinent factors. Course requirements include seminars, group meetings, oral presentations, and written reports. Faculty advisors and industrial preceptors will advise project groups and evaluate the progress and results of the design projects.**	**R - graduated from a Canadian Engineering program**	**1**
INDE-4130-01/ Production Analysis	**Analysis and control of production systems. Demand forecasting. Deterministic and stochastic inventory systems. Aggregate planning and master scheduling. Material requirement planning. Operations sequencing and balancing. Job shop scheduling and control systems. Introduction to group technology and flexible manufacturing systems.**	**R - Knowledge of Operation research, Excel solver, and operation analysis required.** **P - Previously taken or GA'd this the course is preferred**	**0.5**
INDE-4220-01/ Simulation of Industrial Systems	**Introduction to Simulation-Random number and variate generation. Applications to queues, inventories, and related models. Special purpose simulation languages-SIMAN/ARENA. Input data analysis and model validation. Simulation output analysis, design of experiments. Use of computer software.**	**P - Previously taken course, having hands-on knowledge of features and commands of the software Promodel preferred**	**0.5**
INDE-4280-01/ Facilities Design and Logistics	**Approaches to establishing location and layout of space, equipment and services for industrial facilities. Criteria and data for generating & comparing alternatives. Computerized layout planning models, storage systems, AS/RS, Material handling, scope, definitions, and principles, unit load design, types of equipment, flow of material and line balancing. Environmental, human, and cost considerations. Electrical and lighting systems and atmospheric systems.**	**R - hands-on knowledge of features and commands of software packages; Pro Balance, Flow Planner, Workplace Planner as well as PlanOpt** **P - Previously taken or GA'd the course.**	**0.5**

Course # and Name	Course Description	R=Required / P=Preferred Skills	# of projected positions **0.5 = 70 hrs** **1 = 140 hrs**
INDE-8340-01/ Engineering Design, Methodology & Applications	**Engineering Design is a creative, iterative and often open-ended process subject to constraints. Topics include: design creativity & problem solving, engineering conceptual design & embodiment design, practices for product realization design theories and methodologies, parametric design, probabilistic design, industrial design, design and manufacturing integration, concurrent Engineering, materials selection in design, design for x (e.g. manufacturing, assembly), engineering design communication. Significant time is devoted to the applications of design theories and methodologies and to a product/process design realization.**	**P - Previously taken the course preferred.**	**0.5**
MATL-8810-01/ Solidification Fundamentals	**Fundamental principles of solidification theory including thermodynamics, kinetics, solid-liquid interface morphology and growth mechanics. Solidification mechanisms of pure metals. Heat flow phenomena in casting and crystal growth. Effect on solidification heat transfer of process variables, casting and mold properties, metal and mold temperatures. Students will apply the fundamentals of thermodynamics and kinetics to materials processes such as casting and welding.**	**P - Previously taken or GA'd the course.**	**0.5**
MATL-8890-18/MECH-8290-52 Battery Technologies		**P - Previously taken or GA'd the course.v**	**0.5**
MECH-2210-01/ Dynamics	**Review of kinetics and kinematics of particles; workenergy and impulse-momentum methods; moments of inertia of areas and masses; kinematics of rigid bodies; plane motion; forces and accelerations for rigid bodies, energy and momentum methods for rigid bodies in plane motion.**	**P - previously taken/GA'd the course, studying, at the graduate level, within the Solid Mechanics field**	**4**
MECH-2230-01/ Advanced Engineering and Design	**Computer aided design applications for engineering graphic communication. Solid modeling; orthographic projection and isometric drawing; sections and conventions; dimensioning and tolerancing. Design portfolio and project.**	**R - Fluent in English essential. Good knowledge of CATIA for specific workbenches: sketching, part design, assembly design, drafting workbench and knowledge of drafting techniques and mechanical drafting conventions required.** **P - Previously taken or GA'd the course is preferred**	**4.5**
MECH-3221-01/ Control Theory I	**Control system concepts, linear modelling and analysis of response and stability of physical systems, complex variables and Laplace transforms, frequency, and transient response analysis and performance specifications. (Prerequisites: 62-215 and 62-216.) (3 lecture hours, 1 tutorial hour a week.)**	**R - Familiarity with electrical, mechanical, fluid dynamics and kinematics modeling; Familiarity with control theory concepts (state-space systems, Laplace transform, bode plots, PID controllers, stability, accuracy, vibration), familiarity with MATLAB and SIMULIN required.** **P - Previously taken or GA's this course or similar course preferred**	**1**
MECH-3221-60/ Control Theory I	**Control system concepts, linear modelling and analysis of response and stability of physical systems, complex variables and Laplace transforms, frequency, and transient response analysis and performance specifications.**	**R - Familiarity with electrical, mechanical, fluid dynamics and kinematics modeling; Familiarity with control theory concepts (state-space systems, Laplace transform, bode plots, PID controllers, stability, accuracy, vibration), familiarity with MATLAB and SIMULIN required.** **P - Previously taken or GA's this course or similar course preferred**	**0.5**

Course # and Name	Course Description	R=Required / P=Preferred Skills	# of projected positions 0.5 = 70 hrs 1 = 140 hrs
MECH-3224-01/ Engineering Measurements	Basic concepts and applications in engineering data acquisition (DAQ), error analysis, signal conditioning and measurement presentation. Microcomputer-based data acquisition and analysis involving DAQ hardware, including sensors, and software will occur.	R – Previous experience with DAQ hardware and software, preferrably NI LabVIEW and the NI CompactDAQ DAQ system. Previous experiencing using sensors, including but not limited to, load cells, displacement transducers, and accelerometers in mechanical systems. P - Previously taken or GA'd the course is preferred	3
MECH-3224-60/ Engineering Measurements	Basic concepts in instrumentation; error analysis; instrumentation and measurement systems including sensors, transducer, signal conditioning and display; microcomputer-based data acquisition and analysis.	P - Previously taken or GA'd the course is preferred	0.5
MECH-3671-01/ Aerospace Materials and Manufacturing	Properties and selection of metals, ceramics, polymers, and composite materials for aerospace applications. Structural and gas-turbine alloys. Machining, casting, forming, heat treating, and joining processes for original manufacture and repair. Manufacture and application of composites. In-service materials degradation.	R - GA must attend all lab/tutorials P - students with Materials Engineering background, or those who previously taken or GA'd the course are preferred.	0.5
MECH-4200-01/ Mechanical Capstone Design	Student design teams, operating within a "company" environment, utilize the broad range of their undergraduate experience in interdisciplinary projects selected to promote interaction between the mechanical, automotive, and materials programs. Design methodologies and team interaction simulate future professional practice. Project milestones include: a design proposal with cost analysis and scheduling, construction and commissioning of the designed appartus, and a final report and presentation having both global and detail completeness.	P - Previously taken or GA'd the course is preferred	3
MECH-4218-01/ Thermofluid Systems Design	Evaluation of major thermofluid systems: HVACandR, power generation. Factors affecting design and selection of thermofluid devices: boilers, pumps and compressors, valves, piping systems, heat exchangers, evaporators, and turbines. Effect of device characteristics on process efficiency. Application of optimization techniques to thermofluid systems. (Prerequisites: MECH-3212, MECH-3233, MECH-3228; and either MECH-3217 or MECH-3220.)	R - Basic knowledge on thermodynamics, heat transfer, fluid mechanics, design; familiar with software packages (Finite element analysis, computational fluid dynamics, MATLAB, etc). P - Previously taken or GA'd this course preferred	3
MECH-4221-01/ Machine Design II	Gearing and gear trains: spur, helical, worm, and bevel gears. Clutches, brakes, couplings, flywheels. Chain and belt drives. Design of shafting. Student-developed software to support mechanical design.	R - Mechanical Engineering student with background/research in the solid mechanics areas required with familiarity in machine design topics such as: brakes, clutches, ball bearings, roller bearings, flat belts, v-belts, timing belts, chains, compression springs, extension springs, spur gears, helical gears, bevel gears, worm gears, threaded fasteners P - Previously taken or GA'd this course preferred	0.5
MECH-4240-05/ Advanced Mechatronics	The course will cover advanced concepts in sensors, actuators, and the integration of mechanical, electrical, and control technologies for mechatronic system design. Topics covered will be fundamental theories and computational methodologies of complex mechatronic systems, selection and implementation of sensors and actuators, signal processing and advanced algorithms, microcontroller interfacing and programming, advanced motion control using PLC, and design	R- microcontroller programming experience P - Previously taken or GA'd this course preferred	0.5

Course # and Name	Course Description	R=Required / P=Preferred Skills	# of projected positions **0.5 = 70 hrs** **1 = 140 hrs**
	of complex mechatronic systems and applications.		
MECH-4253-01/ Heating, Ventilation and Air Conditioning	Principles of environmental air quality and occupant comfort control. Psychrometric analysis of buildings as applied to common air distribution system designs. Current solar radiation estimation techniques and other energy transfer mechanisms; their application to cooling and heating load calculations. Analytical and numerical calculations. Computational tools.	R - Basic knowledge on thermodynamics, heat transfer, fluid mechanics. P - Previously taken a course in HVAC is preferred.	1
MECH-4258-01/ Computational Fluid Dynamics - CFD	Fundamentals of finite volume methods for problem solving in fluid flow and heat transfer, using CFD computer programs.	R - experience with Linux and/or OpenFOAM P - previously taken or GA'd the course preferred	0.5
MECH-4463-01/ Vehicle Dynamics	Classification and analysis of suspension types and geometry, powertrain layout, and ride quality. Tire modeling, stability, and numerical simulation of vehicle dynamics, including longitudinal and lateral vehicle response to driver inputs. Selected topics from industry experts.	P - Previously taken or GA'd this course preferred	1
MECH-4465-01/ Internal Combustion Engines	Mechanical design of vehicular internal combustion engines for different applications. Covers basic engine types and their operation from an energy conversion systems viewpoint, where the system needs to satisfy a number of requirements. These performance and operational requirements are derived from basic thermodynamics, operation of heat engine cycles, ignition and combustion processes, fuel system design, heat transfer, emissions formulation, available instrumentation and testing procedures. Environmental impact of vehicular designs on global pollution and government standards. Recent developments in energy-efficient and alternate fuel engines.	R - Must have experience with internal combustion engine operation, performance, and design. P - Prior successful completion of, or previously GA appointment for, MECH-4465 is significant asset	0.5
MECH-4471-01/ 01 Automotive Materials and manufacturing methods	The objective of this course is to introduce both the metallic and non-metallic materials employed in automobiles. The metallic automotive materials are comprised of ferrous and nonferrous alloys. Although the traditional ferrous alloys – cast irons and steels are still present in automobiles, the advanced high strength ferrous alloys are emerging. The nonferrous alloys – aluminum and magnesium-based light alloys are increasingly used in the auto industry. Polymers as the non-metallic lightweight materials are widely employed in automobiles. The content to be covered ranges from the production of introduced automotive materials to their recent development. To understand the rationale for the usage of various automotive materials, the advantages of their manufacturability and properties are discussed. Various manufacturing processes corresponding to specific automotive materials are highlighted. The mechanical properties and microstructure of automotive materials are reviewed. The implementation of automotive materials in automobiles is presented. Upon the completion of this course, students are expected to understand basic principles of manufacturing, and advantages and disadvantages of introduced automotive materials over other materials in terms of performance and weight saving. The course also trains students in obtaining knowledge of advanced manufacturing processes, and structure characterization and property evaluation as well as component design of various automotive materials.	P - Previously taken or GA'd this course preferred	0.5

Course # and Name	Course Description	R=Required / P=Preferred Skills	# of projected positions **0.5 = 70 hrs** **1 = 140 hrs**
MECH-4670-01/ Aerospace propulsion	**Application of gas dynamics and thermodynamics to aerospace engines. Analysis of engine cycles. Theory and design of propellers; turboprop engine analysis, Internal combustion and gas turbine engines. Component design for compressors, combustors, afterburners, exhaust nozzles.**	**R - Experience with air-breathing and/or rocket propulsion modelling, analysis, and design.** **P - Previous experience GAing this course is an asset**	**1**
MECH-4673-01/ Aerospace Structures	**Parts of an airplane, their function and loads transfer between major structural elements; airframe loads; trusses in aerospace applications and stress analysis of truss structures; airframe as a thin-walled stiffened beam: bending of thin-walled beams, shear of thin-walled beams, torsion of thin-walled beams, structural idealization of airframe; stress analysis of wing spars and box beams; stress analysis of fuselages; stress analysis of wings.**	**R - strong knowledge of solid mechanics required;** **P - previously taken/GA'd this course preferred**	**0.5**
MECH-4871-01/ 01 Automotive Materials and manufacturing methods	**The objective of this course is to introduce both the metallic and non-metallic materials employed in automobiles. The metallic automotive materials are comprised of ferrous and nonferrous alloys. Although the traditional ferrous alloys – cast irons and steels are still present in automobiles, the advanced high strength ferrous alloys are emerging. The nonferrous alloys – aluminum and magnesium-based light alloys are increasingly used in the auto industry. Polymers as the non-metallic lightweight materials are widely employed in automobiles. The content to be covered ranges from the production of introduced automotive materials to their recent development. To understand the rationale for the usage of various automotive materials, the advantages of their manufacturability and properties are discussed. Various manufacturing processes corresponding to specific automotive materials are highlighted. The mechanical properties and microstructure of automotive materials are reviewed. The implementation of automotive materials in automobiles is presented. Upon the completion of this course, students are expected to understand basic principles of manufacturing, and advantages and disadvantages of introduced automotive materials over other materials in terms of performance and weight saving. The course also trains students in obtaining knowledge of advanced manufacturing processes, and structure characterization and property evaluation as well as component design of various automotive materials.**	**P - Previously taken or GA'd this course preferred**	**0.5**
MECH-8230-01/ Combustion Engineering		**P - Previously taken or GA'd the course**	**0.5**
MECH-8290-20/ Fuel Cells	**The goal of this course is to understand the basic principles of fuel cells. It will cover fuel cell thermodynamics, reaction kinetics, charge transport, mass transport, fuel cell modeling, etc. Students will have opportunity to work on fuel cell related projects.**	**R-Basic knowledge of fuel cells and capability of grading reports and assignments.** **P - Previously taken or GA'd the course**	**0.5**

Course # and Name	Course Description	R=Required / P=Preferred Skills	# of projected positions 0.5 = 70 hrs 1 = 140 hrs
MECH-8290-23/ Advanced Fluid Mechanics	This course provides a solid grounding in the principles of incompressible fluid mechanics for graduate students. The course covers advanced fluid mechanics topics and begins with review of the fundamental fluid mechanics conservation laws of mass, momentum (Navier-Stokes equations) and energy using tensorial (indicial) notations. The processes of how a fluid flow is modeled, the development of the basic equations of fluid mechanics, the simplification of these basic equations using appropriate assumptions, the establishment of proper boundary/initial conditions, and methods of reducing the resulting equations through judicious parameter scaling will be covered. The physical interpretation of the mathematical terms used in solutions to fluid mechanics problems applied to canonical flows, such as boundary layers, jets and wakes will be discussed. A brief introduction to turbulence, statistical representation of turbulence, turbulence spectra and Kolmogorov hypothesis are also planned. Various examples of analytical and numerical solutions to fluid problems will be analyzed as described in the current research literature. The course will provide an opportunity to review fluid mechanics fundamentals, to read research papers and build the necessary engineering intuition needed to practically employ effective numerical solution techniques	P - Previously taken or GA'd the course	0.5
MECH-8290-27/ Advanced Solid Mechanics		P - a strong academic background / doing research in Solid Mechanics is preferred	0.5
MECH-8290-54/ Advanced Control Theory	This course provides a graduate-level foundation in modern and advanced control theory for dynamic systems. Topics covered include state-space representation and analysis, linear and nonlinear system stability (Lyapunov theory), controllability and observability, state feedback control, pole placement, state observers (Luenberger observer and Kalman filtering), optimal control (LQR/LQG), and an introduction to robust and adaptive control techniques. Emphasis is placed on both theoretical mathematical derivations and practical engineering implementation using computational simulation tools.	R - Strong background in modern control theory and dynamic systems modeling (state-space systems, stability analysis, optimal/nonlinear control, observers, and controllers); proficiency with MATLAB and Simulink required. P - Previously taken or GA'd this course (or an equivalent graduate-level control course) is preferred	0.5
MECH-8290-57/ Stress Analysis of Comosite Structures	This course covers the theoretical foundations and practical applications of stress analysis of composite structures, including micromechanics of composite materials, mechanics of unidirectional laminae, laminate theory, structural stability, strength and failure criteria, and structural optimization. Emphasis is placed on stress analysis of composite structures using finite element software, with practical modelling exercises using ANSYS.	R - strong understanding of mechanics of materials; P - prior experience with finite element method and software (especially ANSYS) is an asset	0.5
TRON-2201-01/ Kinematics and Dynamics	This course covers the principles of motion and force analysis applied to machines, including moments of inertia, kinematics of rigid bodies; plane motion, forces and accelerations for rigid bodies, work-energy and impulse-momentum methods; the fundamentals of mechanisms and machines, the kinetics and kinematics of particles; kinematic and dynamic analysis of linkages, cam-based, gear-based, and intermittent motion Mechanisms, static and dynamic analysis of mechanical flywheels, balancing of reciprocating and rotating masses.	R – Previously successfully completed undergraduate classes in Dynamics and Machine Dynamics. P - Previously taken or GA'd the course is preferred. Familiarity and use of the software WorkingModel2D is highly preferred.	0.5

Refer to the timetable (www.uwindsor.ca/registrar/timetable-information) for class and exam hours and location.

Assistants cannot commence their GA/TA duties until email confirmation of the approval of their Job Offer is received from Human Resources (email titled "Authorization to Commence GA/TA Duties", article 13:05).

GA employees are expected to make themselves available to report for all assigned duties, **both in-person/on-campus and remote/online duties**. Most classes across the University are held face-to-face on campus, and even online classes may require on-campus face-to-face duties.

ELIGIBILITY REQUIREMENTS:

Successful applicants must be available to attend at the specified time of the course/lab/exams as well as to report for all assigned duties, which may include both in-person/on-campus and remote/online duties.

GA appointments will be offered to qualified applicants in accordance with the CUPE4580 Collective Agreement.
To be eligible for employment as a Graduate Assistant in the term of support you must be a **registered fulltime graduate student**:

- must be registered for the term of work at the time of hiring
- must maintain **fulltime** registration throughout the term and must be in good standing in the degree program
- must be legally eligible to work in Canada on campus with a valid social insurance number. International students must hold a valid study permit and meet all IRCC regulations to accept employment on campus.

GA appointments cannot exceed **140 hours total for the Winter term period (Jan 1st to April 30th).** Refer to Articles 13, 14, and 15 of the CUPE 4580 Collective Agreement for eligibility details.

Note: graduate students who have received a Graduate Assistantship Offer ("*An offer of employment as a Graduate Assistant with a commitment of future terms of support under Article 14:01 (a) and (b).")* **must apply each term** until they have received all terms of support specified under Article 14:01 (a) or 14:01 (b).

Refer to Article 14 of the CUPE 4580 Collective Agreement for details and eligibility. Failure to meet the eligibility conditions in the CUPE 4580 Collective Agreement will result in the forfeiture of the term(s) of support.

> **Article 14:02**:*" Financial support, as outlined in 14:01, shall continue, if the Graduate Assistant:*
> *a) maintains full-time registration in good standing in the degree program; and*
> *b) applies for posted positions; and*
> *c) is satisfactorily performing the duties required.*

How to apply:

Please complete the online application found at https://uwindsor.ca1.qualtrics.com/jfe/form/SV_0ro6wbvkDiKaGwK

For any questions please contact: the MAME Graduate Secretary at gradmame@uwindsor.ca

Deadline for receiving applications: 8:30am, Monday, November 16, 2026

The university is committed to equity and supports diversity in its teaching, learning, and work environments. In pursuit of the University's Employment Equity Plan, members from the designated groups (Women, Aboriginal Peoples, Visible Minorities, Persons with Disabilities, and Sexual Minorities) are encouraged to apply and to self-identify.

If you need an accommodation for any part of the application and hiring process, please notify the Recruitment & Workforce Coordinator (employment@uwindsor.ca). Should you require further information on accommodation, please visit the website of the Office of Human Rights, Conflict Resolution and Mediation (OHCRM).

Date posted and website link:

Posted November 3, 2026
https://www.uwindsor.ca/engineering/mame/429/Graduate_Asisstanships