



Put yourself on the fast track to part-time transportation training. Centennial’s Ashtonbee Campus is one of the biggest transportation training sites in the country –and is considered one of the best. More than 25% of the auto technicians in Canada and 50% in Ontario, trained at Centennial. If

it moves on land, sea or air, our courses cover it – from automotive to aircraft, motorcycle and mechanics. Learn how to repair, understand, maintain, and get the most from their vehicle. You’ll find training geared to everyone from beginners ready to launch a new career, to apprentices, and licensed mechanics.

Note: No entry exam required for CE Automotive Courses

PROGRAMS

- Auto Body Mechanics111
- Auto Mechanics – Introductory.....111
- Automotive Service Advisor111
- Electrical/Electronics Automotive Technologies.....111
- Motorcycle Maintenance Introductory.....111
- Motorcycle Rider Training111
- Steering, Suspension and Brakes111

PARTNERS

- Canada Safety Council111
- Canadian Automotive Repair and Service (CARS)117
- Canadian PRO Drivers.....111
- Heating, Refrigeration and Air Conditioning Institute of Canada.....112
- Ministry of Transportation.....112
- PARSONS/Protect Air Co.
- Technical Standards & Safety Authority117

COURSES

Air Conditioning and Refrigeration	112	Electronic Fuel Injection 1	114
Aircraft Sheet Metal Fabrication And Repairs	112	Electronic Ignition Systems	114
Auto Body Pre-Certificate	113	Gearing Up Introduction (for Motorcycling)	114
Auto Body Repair 1	113	Gearing Up Motorcycle Rider Refresher	114
Auto Body Repair 2	113	Heavy Duty Technician Pre-Certificate	114
Automatic Transmissions	113	Hybrid Technology	115
Automotive Air Conditioning 1	113	Internal Combustion Alternate Fuel Technician (Natural Gas)	115
Automotive Air Conditioning 2	113	Internal Combustion Alternate Fuel Technician (Propane)	115
Automotive Damage Appraisal	113	Introduction to Basic Hydraulics – NEW	115
Automotive Detailing – NEW	113	Introduction to Electric Vehicles – NEW	115
Automotive Electrical/Electronics 1	113	Know Your Porsche	115
Automotive Electrical/Electronics 2	114	M2 Exit Motorcycle Rider Training	115
Automotive Electrical/Electronics 3	114	MIG Welding	116
Automotive Engines 1	114	Motorcycle Basics	116
Automotive Engines 2	114	Motorcycle Chassis	116
Automotive Painter 1	114	Motorcycle Electrical Systems 1	116
Automotive Painter 2	114	Motorcycle Electrical Systems 2	116
Automotive Service Advisor 1	114	Motorcycle Engines 1	117
Automotive Service Advisor 2	114	Motorcycle Engines 2	117
Automotive Service Technician Pre-Certificate	114	Motorcycle Rider Training	117
Basic Automotive – NEW	115	Oxy-Acetylene Welding & Cutting	117
Basic Brakes & ABS Theory	115	Parts Person – NEW	118
Car Care Clinic for Women - NEW	115	Pre-Certificate – Knowledge Assessment Test	118
Central Heating System for the Homeowner – NEW	115	Small Engine Repair	118
Driver Instructor In-Classroom Part 1	115	Steering, Suspension, Alignment and Brakes Practical	118
Driver Instuctor In-Class – Full Time	115	SteEring, Suspension and Alignment Theory	118
Driving Instuctor In-Classroom Part 2	115	Transmissions And Drivelines	118
Driving Instuctor Training – Full Time	116	Truck and Coach Technician Pre-Certificate	118
Driving Instuctor Training Part 1	115	Truck and Trailer Technician Pre-Certificate	118
Driving Instuctor Training Part 2	116	12 Hour Driver Air Brake Endorsement	110

AUTO BODY MECHANICS CERTIFICATE – 7708

COMPLETION REQUIREMENTS

Auto Body Repair 1	CEAB-902	p. 113
Auto Body Repair 2	CEAB-907	p. 113
Automotive Painter 1	CEAB-903	p. 114

Plus choose three from the following:

Automotive Painter 2	CEAB-905	p. 114
Steering, Suspension & Alignment Theory	CEAM-993	p. 118
Basic Brakes & ABS Theory	CEAM-994	p. 115
Steering, Suspension, Alignment and Brakes Practical	CEAM-995	p. 118

AUTO MECHANICS – INTRODUCTORY CERTIFICATE – 7815

Acquire an overview of automotive technology fundamentals. Auto enthusiasts and owners will find this program particularly useful.

COMPLETION REQUIREMENTS

Automotive Electrical/Electronics 1	CEAM-960	p. 113
Steering, Suspension & Alignment Theory	CEAM-993	p. 118
Basic Brakes & ABS Theory	CEAM-994	p. 115
Automotive Air Conditioning 1	CEAM-900	p. 113
Automotive Engines 1	CEAM-932	p. 114
Electronic Fuel Injection 1	CEAM-905	p. 114

AUTOMOTIVE SERVICE ADVISOR CERTIFICATE – 7285

Pursue a career in automotive service advising. You will be given training in both the technical aspects of the automobile, as well as communication and managerial skills.

COMPLETION REQUIREMENTS

Automotive Service Advisor 1	CEAM-919	p. 114
Automotive Service Advisor 2	CEAM-963	p. 114

Plus choose one of the following:

Business Communication	BUSN-333	p. 115
Financial Accounting 1	ACCT-112	p. 10
Principles of Marketing	MKTG-116	p. 20

ELECTRICAL/ELECTRONICS AUTOMOTIVE TECHNOLOGIES CERTIFICATE - 7817

This program will provide a basic understanding of electrical and electronic-based automotive technologies. Those who wish to gain insight into new vehicle technology will benefit.

COMPLETION REQUIREMENTS

Automotive Electrical/Electronics 1	CEAM-960	p. 113
Automotive Electrical/Electronics 2	CEAM-961	p. 114
Automotive Electrical/Electronics 3	CEAM-962	p. 114

MOTORCYCLE MAINTENANCE INTRODUCTORY CERTIFICATE – 7825

COMPLETION REQUIREMENTS

Motorcycle Basics	CEEN-921	p. 116
Motorcycle Engines 1	CEEN-922	p. 117
Motorcycle Engine 2	CEEN-923	p. 117
Motorcycle Chassis	CEEN-924	p. 116
Motorcycle Electrical Systems 1	CEEN-927	p. 116
Motorcycle Electrical Systems 2	CEEN-928	p. 116

STEERING, SUSPENSION AND BRAKES CERTIFICATE – 7818

Gain the required knowledge and skills in the repair and maintenance of automotive suspension, steering and brake systems.

COMPLETION REQUIREMENTS

Steering Suspension and Alignment Theory	CEAM-993	p. 118
Basic Brakes and ABS Theory	CEAM-994	p. 115
Steering, Suspension, Alignment and Brakes Practical	CEAM-995	p. 118

Motorcycle

MOTORCYCLE RIDER TRAINING

CEMO-801



The Canada Safety Council (CSC) motorcycle training course is a comprehensive training package taught by certified, highly-experienced instructors. You will practice on motorcycles we provide (Honda Rebel cmx250cc, Honda CBR125cc, Titans 150cc, G2 250cc Marauder, Buell Blast 500 cc). Upon successful completion, you will receive an M2 class motorcycle licence without having to take a test at a Driver Examination Centre.

For details, call 416-289-5000, ext. 7105.

MANDATORY REQUIREMENTS

1. Must attend all classes of the section you are registered for in their entirety (no exceptions). Course runs rain or shine.
2. Must possess a valid Ministry of Transportation of Ontario M1 permit.
3. Must be 16 years of age or older.
4. Must have a DOT-approved motorcycle helmet.
5. Must wear a heavy long-sleeved jacket (non-synthetic – leather or denim for example), blue jeans or heavy slacks, full-fingered leather gloves and heavy-duty leather boots that have a heel and cover the ankle, (e.g., leather cowboy boots, work boots). High-top running shoes or jogging boots are not acceptable. Anyone dressed inappropriately will not be allowed to ride.
6. Eye protection is strongly recommended.

Most classes are held Fri., 7-9:30 pm, Sat. & Sun., 8 am-6 pm. Some weekday classes are also offered. See page 119 for dates and prices.

GEARING UP MOTORCYCLE RIDER REFRESHER

CEMO-804

This eight-hour Canada Safety Council refresher course is designed for experienced motorcycle riders with a valid M2 or M licence. Brush up on riding skills already learned from a previously taken Gearing Up Motorcycle Rider Training program. For licenced motorcyclists who have had no formal training, you will learn skills to improve your confidence and riding ability. The course is made up of two hours of classroom theory and six hours of practical riding. It is mandatory for students to demonstrate entry level riding ability in braking, shifting and riding techniques by passing the first level of the MOST II test at the beginning of the course. Practical riding exercises include slow speed manoeuvres, push steering, emergency braking, emergency swerving, collision avoidance and negotiating curves. Upon successful completion of the course, a Canada Safety Council graduate certificate will be provided.

MANDATORY REQUIREMENTS

1. Must attend all classes of the section you are registered for in their entirety (no exceptions).
2. Must provide own road-worthy, licenced motorcycle and Liability Insurance Certificate. (Buell Blasts are available on request for an additional fee of \$100 plus \$150 refundable security deposit. Call 416-289-5000, ext. 7105 to reserve.)
3. Must have riding experience and a valid M2 or M licence.
4. Must demonstrate entry-level riding ability by passing the first part of the MOST II test.
5. At all times during the practical segment, students must wear proper riding gear, DOT approved helmet, a sturdy jacket, full leather boots, full hand gloves with leather palms, jeans or heavy pants. Anyone dressed inappropriately will not be allowed to ride.
6. Eye protection is strongly recommended.

See page 116 for dates and prices.

First Generation Students

Are you the **FIRST** in your family seeking to complete a college program?

We have resources that can support you and help you succeed.

For more information, visit centennialcollege.ca/firstgenerationstudent

M2 EXIT MOTORCYCLE RIDER TRAINING**CEMO-805***(Full "M" License)*

This course is designed for experienced street riders who want to make the most of their riding skills and be tested for the M licence. The course consists of three hours of classroom theory followed by 10 hours of practical riding. Practical training segments include road management skills, intersections, left and right turns, lane changes, roadside stops and expressway riding. Upon completion of the practical training, students will be given the M2 Exit road test for the M licence by our MTO certified instructors. Course runs rain or shine.

MANDATORY REQUIREMENTS

1. Must provide own street legal, licenced, minimum 250 cc motorcycle. Proof of ownership and Liability Insurance Certificate must also be provided.
2. Must possess a valid M2 licence for a minimum of 22 months, or a minimum of 18 months provided you have passed a recognized Motorcycle Rider Training program.
3. Must have a DOT approved motorcycle helmet.
4. Must wear a heavy long-sleeved jacket (non-synthetic), jeans or heavy slacks, full-fingered leather gloves and heavy-duty leather boots that have a heel and cover the ankle, (e.g., leather cowboy boots, work boots).
5. Must attend all classes of the section you are registered for in their entirety (no exceptions).
6. Eye protection is strongly recommended.

All classes are held Fri., 7-10 pm, Sat., 8 am-6 pm, and Sun., TBA

M2 Exit Road Test Appointment TBA

See page 117 for dates and prices.

GEARING UP INTRODUCTION (FOR MOTORCYCLING) CEMO-808

The Gearing Up Introduction course is intended, as an introduction to motorcycle riding. This three-hour course is designed to provide those who feel they may need a bit more practice prior to taking the Motorcycle Rider Training Course (Gearing Up) offered at Centennial College or for those who aren't sure motorcycling is for them and want to give it a try without investing a lot of time. This is a practical hands-on course.

SPECIAL REQUIREMENTS

1. Must have a DOT approved motorcycle helmet.
2. Must wear a heavy long-sleeved jacket (leather or denim), jeans or heavy slacks.
3. Must wear full-fingered leather gloves and heavy-duty leather boots that have a heel and cover the ankle, (e.g. leather cowboy boots, work boots).

Note: This course does not qualify students to operate a motorcycle on the street.

See page 116 for dates and prices.

Register online!

No lineups, no busy signals. Visit centennialcollege.ca/webreg to register online, anytime! (See inside front cover for other ways to register.)

Air Brake

The Ministry of Transportation of Ontario (MTO) requires drivers of air brake-equipped vehicles to have a "Z" endorsement on their licence. Drivers are required to take a written test in air brake system knowledge, and a practical test with an air brake equipped vehicle. The following course is authorized and approved by MTO to provide the training. Students successfully completing the course will receive certification by Centennial, and receive MTO "Z" endorsement without further testing.

12 HOUR DRIVER AIR BRAKE ENDORSEMENT CEZB-802

This course is designed to give the professional driver a working knowledge of the air brake system. The course consists of 12 hours of instructional theory followed by the MTO written exam. Upon successful completion of the written exam, the MTO approved practical test will be conducted at the college on the final day of the course.

HOURS: 18**FEE:** IC: \$285

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 25, 26 & Oct 3	Sa /Su	9 am-6 pm	ASH
	802	Oct 23, 24 & Oct 31	Sa /Su	9 am-6 pm	ASH
	803	Nov 27, 28 & Dec 5	Sa /Su	9 am-6 pm	ASH
Winter	821	Jan 22, 23 & Jan 30	Sa /Su	9 am-6 pm	ASH
	822	Mar 12, 13 & 20	Sa /Su	9 am-6 pm	ASH
	823	Apr 2, 3 & 10	Sa /Su	9 am-6 pm	ASH
Spring	841	June 11, 12 & 19	Sa /Su	9 am-6 pm	ASH
	842	July 9, 10 & 17	Sa /Su	9 am-6 pm	ASH
	843	Aug 6, 7 & 14	Sa /Su	9 am-6 pm	ASH

AIR CONDITIONING AND REFRIGERATION**CECR-801**

This course is for individuals who are not currently certified or those who hold an expired ODP



certificate. Learn about the proper handling of harmful refrigerants, preventing the release of harmful emissions into the atmosphere. Successful completion of the course will provide you with the mandatory provincial certification to handle and purchase refrigerants.

Requirement: All applicants must have a photo ID on the day of course.

HOURS: 8**FEE:** IC: \$175

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 11	Sat	8 am-4 pm	ASH
	802	Oct 16	Sat	8 am-4 pm	ASH
	803	Nov 13	Sa	8 am-4 pm	ASH
Winter	804	Dec 11	Sa	8 am-4 pm	ASH
	821	Jan 15	Sa	8 am-4 pm	ASH
	822	Feb 19	Sa	8 am-4 pm	ASH
Spring	823	Mar 12	Sa	8 am-4 pm	ASH
	824	Apr 16	Sa	8 am-4 pm	ASH
	841	May 7	Sa	8 am-4 pm	ASH
	842	June 4	Sa	8 am-4 pm	ASH
	843	July 9	Sa	8 am-4 pm	ASH
	844	Aug 6	Sa	8 am-4 pm	ASH

AIRCRAFT SHEET METAL FABRICATION AND REPAIRS CEAC 904

Work with hand and power tools to carry out aircraft metal forming and riveting in this course. Cover the use of hand tools, cutting machines, rivets, bend and forming machines, and precision measuring instruments. Receive practical training in techniques for power and hand drilling, dimpling and counter sinking, riveting and rivet removal, and hand forming.

Prerequisite: Must possess basic math skills

HOURS: 42**FEE:** IC: \$323.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 9 – Dec 9	Th	7-10 pm	ASH
Winter	821	Jan 11 – Apr 12	Tu	7-10 pm	ASH
Spring	841	May 9 – June 27 (no class May 23)	M/W	7-10 pm	ASH

AUTO BODY PRE-CERTIFICATE**CEAB-908**

This theory-based course prepares uncertified journey people to write the Ontario Auto Body Repair and Collision Damage Certificate of Qualification Exam. Using the apprenticeship curriculum as a guideline, review vehicle parts identification and construction, welding procedures, damage repair techniques, plastic repair procedures, panel replacement and rebuilding, and paint products and procedures.

HOURS: 60 **FEE:** IC: \$380.95

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 25 – Dec 4 (no class Oct 11)	Sa	9:30 am-3:30 pm	ASH
Winter	821	Feb 5 – Apr 16 (no class Feb 19)	Sa	9:30 am-3:30 pm	ASH
Spring	841	May 2 – June 6	M/W	7-10 pm	ASH

AUTO BODY REPAIR 1**CEAB-902**

This practical course introduces you to the use of hand and power tools, application of body fillers, two stage putties and epoxy primer, minor dent repair, Oxy-Acetylene welding and GMA (MIG) welding techniques. Other topics include forming, flanging and contouring simple panels.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$325.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 14 – Dec 14	Tu	7-10 pm	ASH
Winter	821	Jan 18 – Apr 19	Tu	7-10 pm	ASH
Spring	841	May 3 – June 16	Tu/Th	7-10 pm	ASH

AUTO BODY REPAIR 2**CEAB-907**

In this continuation of Auto Body 1, you will learn to identify vehicles with bonded exterior panels and bond panels using special automotive bonding adhesives.

Explore the many different types of plastics used for vehicle construction and plastics repair and learn to read dimension sheets, including Datum plane, centerline plane and zero plane. This course will also provide an introduction to measuring equipment.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

Prerequisite: Auto Body Repair 1 CEAB-902**HOURS:** 42 **FEE:** IC: \$320.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 8 – Dec 8	W	7-10 pm	ASH
Winter	821	Jan 19 – Apr 20	W	7-10 pm	ASH
Spring	841	May 9 – June 27 (no class May 23)	M/W	7-10 pm	ASH

AUTOMATIC TRANSMISSIONS**CEAM-913**

This course is designed for vehicle owners, technicians, apprentices and the enthusiasts. We will cover purpose, construction, operation overhaul and diagnosis of automatic transmissions/transaxles. We will also cover servicing of automatic transmissions including fluid changes and adjustments. No previous knowledge on topics required.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$275.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 6 – Dec 18	Sa	9:30 am-3:30 pm	ASH
Winter	821	Mar 19 – Apr 30 (no class Feb 19)	Sa	9:30 am-3:30 pm	ASH

Counselling at Centennial

Centennial students can get career and personal advice by contacting our Career and Counselling Centre at 416-289-5000, ext. 2627, e-mail: counselling@centennialcollege.ca, website: centennialcollege.ca/counselling.

AUTOMOTIVE AIR CONDITIONING 1**CEAM 900**

This course is designed for those who wish to become familiar with the basic principles of refrigeration and air conditioning as well as the theory and practical operation of system components. Learn about retrofitting vehicles from R12 to R134a. Alternate refrigerants and the pros and cons of using multi-blends will also be discussed.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$281.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 13 – Dec 20 (no class Oct 11)	M	7-10 pm	ASH
Winter	821	Jan 10 – Apr 18 (no class Feb 21)	M	7-10 pm	ASH
Spring	841	May 2 – June 20 (no class May 23)	M/W	7-10 pm	ASH

AUTOMOTIVE AIR CONDITIONING 2**CEAM-901**

This hands-on course is ideal for the service technician who has successfully completed Automotive Air Conditioning 1 and wishes to learn about repairing all makes and models of vehicles. Topics include: instruction on refrigeration principles, heat transfer, drive units, evaporators and related components, pressure clutch drives, condensers, compressor overhaul, automotive temperature control equipment, testing for leaks, purging, evacuating and recharging.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$281.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Winter	821	Jan 12 – Apr 13	W	7-10 pm	ASH
Spring	841	May 10 – June 23	Tu/Th	7-10 pm	ASH

AUTOMOTIVE DAMAGE APPRAISAL**CEAB-900**

This course explains the methods and procedures for estimating flat rate schedules, labour rate computing, adjusting, forming discounts, garage owners' responsibilities, releases, report writing, business procedures, policy and refinishing.

HOURS: 48 **FEE:** IC: \$349.51

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 14 – Oct. 28	Tu/Th	7-10 pm	ASH
Winter	821	Jan 18 – Mar 3	Tu/Th	7-10 pm	ASH
Spring	841	May 3 – June 23	Tu/Th	7-10 pm	ASH

AUTOMOTIVE DETAILING**CESD-816**

Have you ever noticed how clean and sharp a car looks after it has been to the automotive detailer? Learn how to reverse and prevent the signs of aging with the procedures and techniques used by the professionals. This hands-on course will introduce students to the field of detailing. Topics include exterior washing, waxing, scratch removal and leather and vinyl maintenance.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 15 **FEE:** IC: \$164

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Oct 6 – Nov 3	W	7-10 pm	ASH
Winter	821	Jan 26 – Feb 23	W	7-10 pm	ASH
Spring	841	May 11 – June 8	W	7-10 pm	ASH

AUTOMOTIVE ELECTRICAL/ELECTRONICS 1**CEAM-960**

Gain a working knowledge of basic automotive electrical and electronic systems in this thorough course. Discuss general automotive electrical and electronic theories such as Ohm's Law, ESD magnetism, circuit characteristics, batteries, starters, charging systems and much more.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$281.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 11 – Dec 18 (no class Oct 9)	Sa	9:30 am-12:30 pm	ASH
	802	Sept 14 – Dec 14	Tu	7-10 pm	ASH
Winter	821	Jan 8 – Apr 16 (no class Feb 19)	Sa	9:30 am-12:30 pm	ASH
	822	Jan 18 – Apr 19	Tu	7-10 pm	ASH
Spring	841	May 2 – June 20 (no class May 23)	M/W	7-10 pm	ASH

AUTOMOTIVE ELECTRICAL/ELECTRONICS 2**CEAM-961**

This in-depth course covers the Hall effect, charging system regulation, solenoids, relays and semiconductors. Learn about construction operation and testing of various components. Also, disassemble, reassemble and bench-test starters and alternators.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

Prerequisite: Automotive Electrical/Electronics 1 CEAM-960 or equivalent experience as determined by the dept.

HOURS: 42 **FEE:** IC: \$281.89

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 15 – Dec 15	W	7-10 pm	ASH
Winter	821	Jan 19 – Apr 20	W	7-10 pm	ASH
Spring	841	May 3 – June 16	Tu/Th	7-10 pm	ASH

AUTOMOTIVE ELECTRICAL/ELECTRONICS 3**CEAM-962**

Focus on the reasons for, and identification of, system and unit failures. Receive instruction on supplemental restraint systems and computer-controlled systems, such as charging and electronic displays. Learn more about multimeters, scan tools, information retrieval systems and other diagnostic tools.

Prerequisite: Automotive Electrical/Electronics 2 CEAM-961 or equivalent experience as determined by the dept.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$281.89

TERM	SEC. #	DATE	DAY	TIME	LOC
Winter	821	Jan 20 – Apr 21	Th	7-10 pm	ASH
Spring	841	May 3 – June 16	Tu/Th	7-10 pm	ASH

AUTOMOTIVE ENGINES 1**CEAM-932**

Gain an understanding of the design, construction and operation of automotive engines in this practical, introductory course. Topics include: shop safety practices, tools and fasteners associated with engine service, principles of the two- and four-stroke cycle, types of engines and cylinder heads, valve operation and camshaft drive systems and torquing procedures.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$275.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 11 – Dec 18 (no class Oct 9)	Sa	9:30 am-12:30 pm	ASH
	802	Sept 8 – Dec 8	W	7-10 pm	ASH
Winter	821	Jan 8 – Apr 16 (no class Feb 19)	Sa	9:30 am-12:30 pm	ASH
	822	Jan 12 – Apr 13	W	7-10 pm	ASH
Spring	841	May 7 – June 25 (no class May 21)	Sa	9:30 am-3:30 pm	ASH

AUTOMOTIVE ENGINES 2**CEAM-933**

In this hands-on follow-up to Automotive Engines 1 CEAM-932, you'll gain an insight into the design, construction and operation of both automotive cooling and lubrication systems. In the area of cooling systems, examine the principles of heat transfer, types of cooling systems, their components and purpose, coolant characteristics, and cooling system testing and servicing. In the area of lubrication systems, cover friction, lubricants, oil and water pumps, system components, and testing and servicing.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

Prerequisite: Automotive Engines 1 CEAM-932 or equivalent experience as determined by the dept.

HOURS: 42 **FEE:** IC: \$275.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 8 – Dec 20 (no class Oct 11)	M	7-10 pm	ASH
Winter	821	Jan 10 – Apr 18 (no class Feb 21)	M	7-10 pm	ASH
Spring	841	May 2 – June 20 (no class May 23)	M/W	7-10 pm	ASH

AUTOMOTIVE PAINTER 1**CEAB-903**

This course covers safety rules, spray painting equipment and techniques, surface preparation procedures and materials, paint conditions and remedies, effects of elements and materials on paint, specialty refinishing, trade terms and definitions. Special requirement: Safety boots, charcoal masks and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

NOTE: You need to purchase a paint suit.

HOURS: 42 **FEE:** IC: \$336.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 3 – Dec 20 (no class Oct 11)	M	7-10 pm	ASH
Winter	821	Jan 10 – Apr 18 (no class Feb 21)	M	7-10 pm	ASH
Spring	841	May 2 – June 20 (no class May 23)	M/W	7-10 pm	ASH

AUTOMOTIVE PAINTER 2**CEAB-905**

This advanced, hands-on automotive paint course is designed for those already in the trade who want to learn more about modern refinishing systems, specifically, surface preparation and top coats. You'll examine colour shading and colour matching, spot repair and touch-up, three-stage painting, base coat/clear coat and high solid primers after studying health and safety regulations. You'll be expected to supply your own respirator.

Prerequisite: Automotive Painter 1 CEAB-903 or equivalent experience as determined by the dept.

NOTE: You need to purchase a paint suit.

HOURS: 42 **FEE:** IC: \$427.01

TERM	SEC. #	DATE	DAY	TIME	LOC
Winter	821	Jan 20 – Apr 21	Th	7-10 pm	ASH
Spring	841	May 3 – June 16	Tu/Th	7-10 pm	ASH

AUTOMOTIVE SERVICE ADVISOR 1**CEAM-919**

Gain an overview of the role of the automotive service advisor. Learn to identify and maintain high standards of customer relations, and study sales techniques, interpersonal skills, effective communication, provincial legislation governing auto repair, and the effective use of labour rate guides.

Requirement: For online courses, students must have access to Microsoft Word and PowerPoint to access course information.

\$234.85 online (includes online admin. fee)

HOURS: 30 **FEE:** IC: \$204.85

TERM	SEC. CODE	DATE	DAY	TIME	LOC
Fall	801	Sept 22 – Nov 24	W	7-10 pm	ASH
Winter	821	Jan 26 – Mar 30	W	7-10 pm	ASH

AUTOMOTIVE SERVICE ADVISOR 2**CEAM-963**

In this advanced course, you will receive instruction in management techniques, delegation, team building, technician performance, staff relations, planning for safety, service bay use, management by objectives, and controlling expenses.

Prerequisite: Automotive Service Advisor 1 CEAM-919

Requirement: For online courses, students must have access to Microsoft Word and PowerPoint to access course information.

HOURS: 30 **FEE:** IC: \$204.85

TERM	SEC. #	DATE	DAY	TIME	LOC
Winter	821	Jan 24 – Apr 4 (no class Feb 21)	M	7-10 pm	ASH
Spring	841	Apr 26 – June 28	Tu	7-10 pm	ASH

AUTOMOTIVE SERVICE TECHNICIAN PRE-CERTIFICATE**CESM-900**

This theory-based course prepares uncertified trades people to write the Ontario Automotive Service Technician Certificate of Qualification exam. Using the apprenticeship curriculum as a guideline, review steering, suspension and brakes, drive trains, engine, emission systems, electrical, electronics, fuel systems and workplace practices and procedures.

HOURS: 84 **FEE:** IC: \$535.83 (text extra)

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 7 – Dec 9	Tu/Th	7-10 pm	ASH
Winter	821	Jan 4 – Apr 7	Tu/Th	7-10 pm	ASH
Spring	841	Apr 5 – June 30	Tu/Th	7-10 pm	ASH

BASIC AUTOMOTIVE NEW

CESD-938

This 18-hour course provides you with the knowledge of basic automotive service and maintenance such as, oil change, brakes, service fluid replacements, air filters, replacing bulbs, road safety and tire inspection.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 18 **FEE:** IC: \$176

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 29 – Nov 3	W	7-10 pm	ASH
Winter	821	Jan 26 – Mar 2	W	7-10 pm	ASH
Spring	841	May 4 – June 8	W	7-10 pm	ASH

BASIC BRAKES & ABS THEORY

CEAM-994

This 24-hour theory and lab-based course will introduce you to the basic automotive braking system and anti-lock brakes. Students will learn about correct safety procedures and gain an understanding of how to inspect, diagnose problems and service braking systems. Basic electronics is introduced for ABS. Practical demonstrations will focus on diagnosing problems, inspection process and service repair. Students will learn the correct use of equipment while in practical.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 24 **FEE:** IC: \$180

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 20- Nov 15 (no class Oct 11)	M	7-10 pm	ASH
Winter	821	Jan 17 – Mar 14 (no class Feb 21)	M	7-10 pm	ASH
Spring	841	May 2 – June 1 (no class May 23)	M/W	7-10 pm	ASH

CAR CARE CLINIC FOR WOMEN NEW

CESD-921

This 3-hour hands-on “your own vehicle” course taught by licensed Automotive Service Technician is geared toward women who wish to gain general automotive knowledge and learn some maintenance skills for their vehicles while enhancing their automotive savvy. Topics covered include roadside emergency procedures, demonstrations for changing a flat tire and safe battery boosting procedures. Participants will receive a certificate.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 3 **FEE:** IC: \$80

TERM	SEC. #	DATE	DAY	TIME	LOC
Winter	824	Apr 16	Sa	9:30 am-12:30 pm	ASH
Spring	842	June 18	Sa	9:30 am-12:30 pm	ASH

CENTRAL HEATING SYSTEM FOR THE HOMEOWNER NEW

CESD-922

Does your furnace intimidate you? This six-hour informative seminar is designed to introduce the homeowner to the different types of forced warm air residential central heating equipment now available on the market. Understand the function, terminology and differences between standard, mid-efficiency and high-efficiency furnaces. Other topics include preventive maintenance, functions of the different controls and furnace accessories such as humidifiers and air cleaners. This course is not intended for individuals to service their own equipment.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 6 **FEE:** IC: \$78

	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 25	Sa	9:30 am-3:30 pm	ASH
	802	Oct 23	Sa	9:30 am-3:30 pm	ASH
Winter	821	Jan 29	Sa	9:30 am-3:30 pm	ASH
	822	Feb 12	Sa	9:30 am-3:30 pm	ASH
	823	Feb 21	Sa	9:30 am-3:30 pm	ASH
	824	Mar 5	Sa	9:30 am-3:30 pm	ASH
Spring	841	May 14	Sa	9:30 am-3:30 pm	ASH
	842	May 28	Sa	9:30 am-3:30 pm	ASH
	843	June 4	Sa	9:30 am-3:30 pm	ASH

Driving Instructor In-Classroom Certificate

This course will certify the driving instructor to deliver in-class training to students enrolled in the Ministry of Transportation of Ontario (MTO) new beginner driver education program. This course includes: adult principles of learning, teaching techniques for teenagers, understanding different learning styles, how to create a highly interactive and fun learning environment, MTO requirements for opening a driving school, marketing yourself and your business, real visitations to driving schools, school and business ethics, workbooks and practical training. To obtain a certificate both parts must be completed consecutively.

DRIVER INSTRUCTOR IN-CLASSROOM PART 1

CEDI-810

Prerequisite: A valid Driving Instructor’s Licence and two years teaching experience

HOURS: 70 **FEE:** IC: \$1100

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 20 – Nov 3	M/W	6:30-10:30 pm	ASH
Winter	821	Jan 24 – Mar 9	M/W	6:30-10:30 pm	ASH
Spring	841	May 2 – June 20	M/W	6:30-10:30 pm	ASH

DRIVING INSTRUCTOR IN-CLASSROOM PART 2

CEDI-811

Prerequisite: Driving Instructor In-classroom – Part 1 CEDI-810

HOURS: 70 **FEE:** IC: \$1100

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 8 – Dec 22	M/W	6:30-10:30 pm	ASH
Winter	821	Mar 24 – Apr 27	M/W	6:30-10:30 pm	ASH
Spring	841	June 27 – Aug 15	M/W	6:30-10:30 pm	ASH

DRIVER INSTRUCTOR IN-CLASS – FULL TIME

CEDI-830

HOURS: 140 **FEE:** IC: \$2200

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 1 – 26	M-F	8:30 am-4:30 pm	ASH

Driving Instructor Training

To obtain a driving instructor’s licence in Ontario, you must successfully complete a Ministry of Transportation of Ontario (MTO)-approved training course. Our course includes First Aid/CPR training, Defensive Driving course and the Highway Traffic Act course. Training is offered over two sessions. To qualify for a licence, both parts must be successfully completed consecutively. The course, both in-car and in-class, totals 140 hours. For further information, call 416-233-0179 or visit www.canadianprodrivers.ca or e-mail info@canadianprodrivers.ca.



Open House Hours 7 - 8 pm		
Fall 2010 Dates	Winter 2011 Dates	Spring/Summer 2011
Tues., Sept. 7	Tues., Jan. 18	Tues., May 3
Tues., Oct. 5	Tues., Feb. 8	Tues., June 7
Tues., Nov. 2	Tues., March 8	Tues., July 5
Tues., Nov. 30	Tues., April 12	Tues., Aug. 9

DRIVING INSTRUCTOR TRAINING PART 1

CEDI-808

Applicants must have four or more years of valid driving experience (not classed as novice in Ontario). Prior to registering for this course please go to the nearest Driver Examination Centre and obtain a Driving Instructor Kit complying with all requirements.

Prerequisites: A good driving record and the ability to meet the MTO requirements

HOURS: 70 **FEE:** IC: \$1375

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Oct 5 – Nov 6	Tu/Th	6:30-10:30 pm	
			& Sa	8 am-1 pm	ASH
Winter	821	Jan 18 – Feb 19	Tu/Th	6:30-10:30 pm	
			& Sa	8 am-1 pm	ASH
Spring	841	June 7 – July 9	Tu/Th	6:30-10:30 pm	
			& Sa	8 am-1 pm	ASH

DRIVING INSTRUCTOR TRAINING PART 2**CEDI-809****Prerequisite:** Driving Instructor Training – Part 1 CEDI-808**HOURS:** 70**FEE:** IC: \$1375

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 9 – Dec 16	Tu/Th & Sa	6:30-10:30 pm 8 am-1 pm	ASH
Winter	821	Feb 22 – Mar 31	Tu/Th & Sa	6:30-10:30 pm 8 am-1 pm	ASH
Spring	841	July 12 – Aug 18	Tu/Th & Sa	6:30-10:30 pm 8 am-1 pm	ASH

DRIVING INSTRUCTOR TRAINING – FULL TIME**CEDI-819****Prerequisites:** A good driving record and the ability to meet Ministry requirements.**HOURS:** 140**FEE:** IC: \$2750

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 15 – Dec 10	M-F	8:30 am-4:30 pm	ASH
Winter	821	Feb 28 – Mar 25	M-F	8:30 am-4:30 pm	ASH
Spring	841	Aug 2 – Sept 2	M-F	8:30 am-4:30 pm	ASH

ELECTRONIC FUEL INJECTION 1**CEAM-905**

This course is a comprehensive introduction to fuel injection. You'll discuss basic electricity and electronics with a generic system, emphasizing inputs and outputs. Learn more about theory, diagnosis, testing, service, repair and hands-on use of equipment, including scan tools.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42**FEE:** IC: \$289.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 14 – Dec 14	Tu	7-10 pm	ASH
Winter	821	Jan 18 – Apr 19	Tu	7-10 pm	ASH
Spring	841	May 3 – June 16	Tu/Th	7-10 pm	ASH

ELECTRONIC IGNITION SYSTEMS**CEAM-907**

This course is designed for the student with some basic knowledge in automotive technology. Learn about power train management pertaining to electronic ignition systems and controls, gain hands-on experience using multimeters, oscilloscope and scan tools. Class size is limited.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 30**FEE:** IC: \$204.85

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 16 – Nov 18	Th	7-10 pm	ASH
Spring	841	May 2 – June 6 (no class May 23)	M/W	7-10 pm	ASH

Register early!

Some courses may be cancelled because we didn't know you wanted them! And some very popular courses fill quickly. Please register early to avoid disappointment. Register now for any course in this book!

GEARING UP MOTORCYCLE RIDER REFRESHER**CEMO-804**

This eight-hour Canada Safety Council refresher course is designed for experienced motorcycle riders with a valid M2 or M licence. Brush up on riding skills already learned from a previously taken Gearing Up Motorcycle Rider Training program. For licenced motorcyclists who have had no formal training, you will learn skills to improve your confidence and riding ability. The course is made up of two hours classroom theory and six hours practical riding. It is mandatory for students to demonstrate entry level riding ability in braking, shifting and riding techniques by passing the first level of the MOST II test at the beginning of the course. Practical riding exercises include slow speed maneuvers, push steering, emergency braking, emergency swerving, collision avoidance and negotiating curves. Upon successful completion of the course, a Canada Safety Council graduate certificate will be provided.

MANDATORY REQUIREMENTS

1. Must attend all classes of the section you are registered for in their entirety (no exceptions).
2. Must provide own road-worthy, licenced motorcycle and Liability Insurance Certificate. (Buell Blasts are available on request for an additional fee of \$100 plus \$150 refundable security deposit. Call 416-289-5000, ext. 7105 to reserve.)
3. Must have riding experience and a valid M2 or M licence.
4. Must demonstrate entry-level riding ability by passing the first part of the MOST II test.
5. At all times during the practical segment, students must wear proper riding gear, DOT approved helmet, a sturdy jacket, full leather boots, full hand gloves with leather palms, jeans or heavy pants. Anyone dressed inappropriately will not be allowed to ride.
6. Eye protection is strongly recommended.

HOURS: 8**FEE:** \$258 (Fall) \$264 (Spring/Summer)

TERM	SEC. #	DATE	DAY	TIME	LOC
Spring	841	June 20	M	8 am-4 pm	ASH
	842	July 11	M	8 am-4 pm	ASH
	843	July 25	M	8 am-4 pm	ASH
	844	Aug 15	M	8 am-4 pm	ASH

GEARING UP INTRODUCTION (FOR MOTORCYCLING)**CEMO-808**

The Gearing Up Introduction course is intended, as the name would suggest, as an introduction to motorcycle riding. This three-hour course is designed to provide those who feel they may need a bit more practice prior to taking the Motorcycle Rider Training Course (Gearing Up) offered at Centennial College or for those who aren't sure motorcycling is for them and want to give it a try without investing a lot of time. This is a practical hands-on course.

Note: This course does not qualify students to operate a motorcycle on the street.

HOURS: 3**FEE:** IC: \$75 (Fall) \$78 (Spring Summer)

TERM	SEC. #	DATE	DAY	TIME	LOC
Spring	841	May 7	Sa	5-7 pm	ASH
	842	June 11	Sa	5-7 pm	ASH
	843	July 9	Sa	5-7 pm	ASH
	844	Aug 13	Sa	5-7 pm	ASH

HEAVY DUTY TECHNICIAN PRE-CERTIFICATE**CEDM-920**

This theory-based course prepares the uncertified tradesperson to write the Ontario Heavy Duty Equipment Technician Certificate of Qualification exam. Using the apprenticeship curriculum as a guideline, the student will review diesel engines, fuel systems, power trains, electrical systems, hydraulic systems, steering suspensions and brakes, workplace practices and procedures with emphasis on basic theory and correct use of language and trade nomenclature. This is strictly a preparatory course and is not a replacement for the Ministry of Training, Colleges & Universities approved Heavy Duty Apprenticeship program.

HOURS: 84**FEE:** IC: \$535.83

TERM	SEC. #	DATE	DAY	TIME	LOC
Winter	821	Jan 18 – Apr 21	Tu/Th	7-10 pm	ASH

HYBRID TECHNOLOGY

Centennial College, in collaboration with the Canadian Automotive Repair and Service (CARS) Council is now offering a new training course on hybrid vehicle technology. The 16 hours of training is designed to give participants an understanding of hybrid technology including critical safety issues and how to perform routine maintenance and service on current production hybrid component systems from industry's leading manufacturers including GM, Toyota and Honda.

HOURS: 18 **FEE:** IC: \$275

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 15 – Oct 13	W	6:30-9:30 pm	ASH
	802	Oct 20 – Nov 17	W	6:30-9:30 pm	ASH
Winter	821	Jan 19 – Feb 16	W	6:30-9:30 pm	ASH
	822	Feb 23 – Mar 23	W	6:30-9:30 pm	ASH
Spring	841	May 4 – June 1	W	6:30-9:30 pm	ASH
	842	June 8 – July 6	W	6:30-9:30 pm	ASH

CENTENNIAL COLLEGE IS A TECHNICAL STANDARDS & SAFETY AUTHORITY (TSSA) ACCREDITED TRAINING PROVIDER FOR ALTERNATE FUELS CERTIFICATION.

Centennial College has played a leading role in alternate fuel training since 1981 with strong support from the province of Ontario and the alternate fuel industry. The Centennial Alternate Fuel Centre is designed to educate you in the safe application of alternate fuel equipment.



INTERNAL COMBUSTION ALTERNATE FUEL TECHNICIAN (NATURAL GAS)

CEAF-804

This program will prepare you to write the exam for your certificate (e.g. ICE-N or ICE IV-N) which qualifies you to convert, inspect and service Natural Gas-powered vehicles.

Prerequisite: Automotive Service Technician Certificate of Qualification for ICE-N exam, but not required for ICE IV-N exam (e.g. industrial vehicles)

HOURS: 21 **FEE:** IC: \$435

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 9, 10 & 11	Th/F	8:30 am-4:30 pm	ASH
			Sa	8:30 am-12:30 pm	
Winter	821	Jan 20, 21 & 22	Th/F	8:30 am-4:30 pm	ASH
			Sa	8:30 am-12:30 pm	
Spring	841	Apr 28, 29 & 30	Th/F	8:30 am-4:30 pm	ASH
			Sa	8:30 am-12:30 pm	

INTERNAL COMBUSTION ALTERNATE FUEL TECHNICIAN (PROPANE)

CEAF-811

This workshop will prepare you to write the exam for your certificate (e.g. ICE-P or ICE IV-P) which qualifies you to convert, inspect and service propane-powered vehicles.

Prerequisite: Automotive Service Technician Certificate of Qualification for ICE-P exam, but not required for ICE IV-P exam (e.g. industrial vehicles)

HOURS: 21 **FEE:** IC: \$435

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 23, 24 & 25	Th/F	8:30 am-4:30 pm	ASH
			Sa	8:30 am-12:30 pm	
Winter	821	Feb 3, 4 & 5	Th/F	8:30 am-4:30 pm	ASH
			Sa	8:30 am-12:30 pm	
Spring	841	June 23, 24 & 25	Th/F	8:30 am-4:30 pm	ASH
			Sa	8:30 am-12:30 pm	

KNOW YOUR PORSCHE

CESD-908

A must-take, hands-on course for Porsche owners and Porsche Club members. Perform simple maintenance and identify potential problems on your vehicle – all under direct supervision. Explore engine maintenance, changing oil, oil filters and wiper blades, under car inspection and maintenance, changing wheels and tires and brake maintenance.

HOURS: 3 **FEE:** IC: \$183

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 22 – Oct 27	W	7-10 pm	ASH
Spring	841	Apr 6 – May 11	W	7-10 pm	ASH

INTRODUCTION TO BASIC HYDRAULICS

CEDM-939

This course will introduce students to the basic concepts of hydraulic principals and Laws of Physical that supports its study. This course will cover the types and styles of hydraulic pumps, reservoirs, directional control valves, pressure relief valves, flow control valves, hydraulics conductors, hydraulic fluids, hydraulic filters and hydraulic actuators, and will be supported with hydraulic schematics, formula calculations and in-lab activities.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 24 **FEE:** IC: \$183

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 29 – Nov 17	W	7-10 pm	ASH
Winter	821	Jan 26 – Mar 16	W	7-10 pm	ASH
Spring	841	May 4 – June 22	W	7-10 pm	ASH

INTRODUCTION TO ELECTRIC VEHICLES

CESD-940

This course will deal primarily with electric vehicles used for personal transportation where the internal combustion engine is replaced by a battery and electric motor drive. This course is devoted to providing the student with information on how to convert a 'conventional' automobile to an electric vehicle. The principles of alternating current, direct current, motors, speed controls, batteries, relays, battery chargers are provided to the student. Components including chassis, transmissions, wheels and brakes and much more.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 36 **FEE:** IC: \$204

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 22 – Dec 8	W	7-10 pm	ASH
Winter	821	Jan 19 – Apr 6	W	7-10 pm	ASH
Spring	841	May 9 – June 20 (no class May 23)	W	7-10 pm	ASH

M2 EXIT MOTORCYCLE RIDER TRAINING

CEMO-805

This course is designed for experienced street riders who want to make the most of their riding skills and be tested for the M licence. The course consists of three hours classroom theory followed by 10 hours practical riding. Practical training segments include road management skills, intersections, left and right turns, lane changes, roadside stops and expressway riding. Upon completion of the practical training, students will be given the M2 Exit road test for the M licence by our MTO certified Instructors. Course runs rain or shine.

MANDATORY REQUIREMENTS

1. Must provide own street legal, licenced, minimum 250 cc motorcycle. proof of ownership and Liability Insurance Certificate must also be provided.
2. Must possess a valid M2 licence for a minimum of 22 months, or a minimum of 18 months provided you have passed a recognized Motorcycle Rider Training program.
3. Must have a DOT approved motorcycle helmet.
4. Must wear a heavy long-sleeved jacket (non-synthetic), jeans or heavy slacks, full-fingered leather gloves and heavy-duty leather boots that have a heel and cover the ankle, (e.g., leather cowboy boots, work boots).
5. Must attend all classes of the section you are registered for in their entirety (no exceptions).
6. Eye protection is strongly recommended.

All classes are held Fri., 7-10 pm, Sat., 8 am-6 pm, and Sun., TBA

M2 Exit Road Test Appointment TBA

HOURS: 13 **FEE:** \$442 (Fall) \$445 (Winter/Spring/Summer)

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 3, 4, 5	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	802	Sept 10, 11, 12	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	803	Sept 17, 18, 19	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	804	Sept 24, 25, 26	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	805	Oct 1, 2, 3	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	806	Oct 15, 16, 17	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	807	Oct 22, 23, 24	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	
	808	Oct 29, 30, 31	F	7-9:30 pm	ASH
			Sa/Su	8 am-6 pm/TBA	

M2 EXIT MOTORCYCLE RIDER TRAINING (CONTINUED)

CEMO-805

Spring	841	Mar 25, 26, 27	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	842	Apr 1, 2, 3	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	843	Apr 8, 9, 10	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	844	Apr 15, 16, 17	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	845	Apr 29, 30 May 1	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	846	May 6, 7, 8	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	847	May 13, 14, 15	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	848	May 20, 21, 22	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	849	May 27, 28 29	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	850	June 3, 4, 5	F	7-9:30pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	851	June 10, 11, 12	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	852	June 17, 18, 19	F	7-9:30pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	853	June 24, 25, 26	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	854	July 1, 2, 3	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	855	July 8, 9, 10	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	856	July 15, 16, 17	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	857	July 22, 23, 24	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	858	July 29, 30, 31	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	859	Aug 5, 6, 7	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	860	Aug 12, 13, 14	F	7-9:30 pm	
			Sa	8 am-6 pm	
			Su	TBA	ASH
	861	Aug 19, 20, 21	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH
	862	Aug 26, 27, 28	F	7-9:30 pm	
			Sa/Su	8 am-6 pm/TBA	ASH

CESD-917

MIG WELDING

This hands-on, six-hour MIG welding course will provide an understanding of machine set up, personal and shop safety, flat positional welding and vertical welding.

Special requirement: You must wear coveralls or non-synthetic clothing and provide your own safety boots or shoes. Eye protection will be supplied.

HOURS: 6 **FEE:** IC: \$199

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Oct 16	Sa	8 am-2 pm	ASH
	802	Nov 20	Sa	8 am-2 pm	ASH
Winter	821	Feb 19	Sa	8 am-2 pm	ASH
	822	Mar 19	Sa	8 am-2 pm	ASH
	823	Apr 16	Sa	8 am-2 pm	ASH
Spring	841	May 28	Sa	8 am-2 pm	ASH
	842	June 18	Sa	8 am-2 pm	ASH

MOTORCYCLE BASICS

CEEN-921

Conceived for the novice, this course provides a basic overview of the motorcycle and its components. Topics include basic maintenance, tools, winterization, basic tune-ups and safety checks.

HOURS: 15 **FEE:** IC: \$170

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 8 – Oct 6	W	7-10 pm	ASH
	802	Oct 13 – Nov 10	W	7-10 pm	ASH
Winter	821	Jan 12 – Feb 9	W	7-10 pm	ASH
	822	Feb16 – Mar 16	W	7-10 pm	ASH
Spring	841	May 4 – June 1	W	7-10 pm	ASH

MOTORCYCLE CHASSIS

CEEN-924

A basic overview of the common components that make up a motorcycle chassis. Topics covered include frames, suspension, steering, brakes, wheels and tires.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 15 **FEE:** IC: \$170

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 15 – Dec 13	M	7-10 pm	ASH
Winter	821	Mar 21 – Apr 18	M	7-10 pm	ASH
Spring	841	May 2 – June 6 (no class May 23)	M	7-10 pm	ASH

MOTORCYCLE ELECTRICAL SYSTEMS 1

CEEN-927

This course is designed for the enthusiast who wants to develop a basic understanding of electrical systems and components. Topics covered include: basic electrical theory and magnetism, Ohm's Law, use of digital multi-meters, wiring diagrams and batteries. Practical lab work will also be included.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 15 **FEE:** IC: \$170

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 9 – Oct 7	Th	7-10 pm	ASH
Winter	821	Feb 24 – Mar 24	Th	7-10 pm	ASH

MOTORCYCLE ELECTRICAL SYSTEMS 2

CEEN-928

Once you understand the basics covered in Motorcycle Electrical Systems 1, it is time to further explore your electrical system. This module will examine ignition systems (including points, CDI and transistorized systems), charging systems, starting circuits, as well as lights and signal circuits. Practical lab work will also be included.

HOURS: **FEE:** IC: \$170

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Nov 18 – Dec 16	Th	7-10 pm	ASH
Spring	841	Mar 31 – Apr 28	Th	7-10 pm	ASH

New!

New courses may have been added and other changes made since this publication went to print. Please check our website at centennialcollege.ca/parttime for the most current information.

MOTORCYCLE ENGINES 1

CEEN-922

This course will focus on the two most common engines found in motorcycles with two-stroke and four-stroke. Topics include principles of operation, variations on internal engine components and transmission and clutch theory.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 15 **FEE:** IC: \$170

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 13 – Oct 18 (no class Oct 11)	M	7-10 pm	ASH
Winter	821	Feb 28 –Mar 28	M	7-10 pm	ASH
Spring	841	May 2 – June 6 (no class May 23)	M	7-10 pm	ASH

MOTORCYCLE ENGINES 2

CEEN-923

What makes the engine run and keep running? Topics include carburetion and exhaust systems, as well as lubrication and cooling systems.

Prerequisite: Motorcycle Engines 1 CEEN-922

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 15 **FEE:** IC: \$170

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Oct 25 – Nov 22	M	7-10 pm	ASH
Winter	821	Apr 4 – May 2	M	7-10 pm	ASH

MOTORCYCLE RIDER TRAINING

CEMO-801

The Canada Safety Council (CSC) motorcycle training course is a comprehensive training package taught by certified, highly-experienced instructors. You will practice on motorcycles we provide, (Buell Blast 500cc, Honda Rebel cmx250cc, Honda CBR125cc, Titans 150cc, G2 250cc Marauder). Upon successful completion, you will receive an M2 class motorcycle licence without having to take a test at a Driver Examination Centre.

For details, call our information hotline at 416-289-5000, ext. 7515 or 7105.

MANDATORY REQUIREMENTS

1. Must attend all classes of the section you are registered for in their entirety (no exceptions). Course runs rain or shine.
2. Must possess a valid Ministry of Transportation of Ontario M1 permit.
3. Must be 16 years of age or older.
4. Must have a DOT-approved motorcycle helmet.
5. Must wear a heavy long-sleeved jacket (non-synthetic – leather or denim for example), blue jeans or heavy slacks, full-fingered leather gloves and heavy-duty leather boots that have a heel and cover the ankle, (e.g., leather cowboy boots, work boots). High-top running shoes or jogging boots are not acceptable. Anyone dressed inappropriately will not be allowed to ride.
6. Eye protection is strongly recommended.

Most classes are held Fri., 7-9:30 pm, Sat. & Sun., 8 am-6 pm

HOURS: 22.5 **FEE:** IC: \$461 (Fall) \$470 (Winter/Spring/Summer)

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 3, 4, 5	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	802	Sept 10, 11, 12	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	803	Sept 17, 18, 19	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	804	Sept 24, 25, 26	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	805	Oct 1, 2, 3	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
806	Oct 15, 16, 17	F	7-9:30 pm		
		Sa/Su	8 am-6 pm	ASH	
807	Oct 22, 23, 24	F	7-9:30 pm		
		Sa/Su	8 am-6 pm	ASH	
808	Oct 29, 30, 31	F	7-9:30 pm		
		Sa/Su	8 am-6 pm	ASH	
Winter	841	Mar 25, 26, 27	F	7-9:30pm	
			Sa/Su	8 am-6 pm	ASH
Spring	842	Apr 1, 2, 3	F	7-9:30pm	
			Sa/Su	8 am-6 pm	ASH
	843	Apr 8, 9, 10	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	844	Apr 15, 16, 17	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	845	Apr 29, 30, May 1	F	7-9:30 pm	
			Sa/Su	8 am-6 pm	ASH
	846	May 6, 7, 8	F	7-9:30pm	
			Sa/Su	8 am-6 pm	ASH

847	May 13, 14, 15	F	7-9:30pm	
		Sa/Su	8 am-6 pm	ASH
848	May 20, 21, 22	F	7-9:30pm	
		Sa/Su	8 am-6 pm	ASH
849	May 27, 28, 29	F	7-9:30pm	
		Sa/Su	8 am-6 pm	ASH
850	June 3, 4, 5	F	7-9:30pm	
		Sa/Su	8 am-6 pm	ASH
851	June 10, 11, 12	F	7-9:30pm	
		Sa/Su	8am-6pm	ASH
852	June 17, 18, 19	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
853	June 24, 25, 26	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
854	July 1, 2, 3	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
855	July 8, 9, 10	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
856	July 15, 16, 17	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
857	July 22, 23, 24	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
858	July 29, 30, 31	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
859	Aug 5, 6, 7	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
860	Aug 12, 13, 14	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
861	Aug 19, 20, 21	Fri.	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
862	Aug 26, 27, 28	F	7-9:30 pm	
		Sa/Su	8 am-6 pm	ASH
863	May 29, 30, 31	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
864	June 5, 6, 7	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
865	June 12, 13, 14	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
866	June 19, 20, 21	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
867	June 26, 27, 28	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
868	July 3, 4, 5	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
869	July 10, 11, 12	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
870	July 17, 18, 19	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH
871	July 24, 25, 26	Su	7-9:30 pm	
		M/Tu	8 am-6 pm	ASH

OXY-ACETYLENE WELDING & CUTTING

CESD-916

In this six-hour, hands-on course you will be introduced to personal and shop safety, oxy-acetylene torch set-up, cylinder storage and care, as well as regulator safety. You will also do some fusion and braze welding and cutting.

Special requirement: You must wear coveralls or non-synthetic clothing and provide your own safety boots or shoes. Eye protection will be supplied.

HOURS: 6 **FEE:** IC: \$199

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Oct 2	Sa	8 am-2 pm	ASH
		Nov 6	Sa	8 am-2 pm	ASH
Winter	821	Feb 5	Sa	8 am-2 pm	ASH
		Mar 5	Sa	8 am-2 pm	ASH
		Apr 2	Sa	8 am-2 pm	ASH
Spring	841	May 7	Sa	8 am-2 pm	ASH
		June 11	Sa	8 am-2 pm	ASH

PARTS PERSON **NEW****CESD-939**

This course material covers inventory control and merchandising aspects of the operations of a motive power parts business. Other topics include the parts business in general, qualifications of employees, pay ranges and career prospects. The material applies to personnel employed at or those that want to be employed at franchised automotive, motorcycle, truck and coach and heavy equipment dealerships. Employees from independent automotive retail parts businesses such as Parts source, and NAPA will also benefit from this course. The course can save as introductory training to the parts business and as a refresher for experienced employees.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$270

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 14 – Dec 14	Tu	7-10 pm	ASH
Winter	821	Jan 18 – Apr 19	Tu	7-10 pm	ASH
Spring	841	May 10 – June 23	Tu/Th	7-10 pm	ASH

PRE-CERTIFICATE – KNOWLEDGE ASSESSMENT TEST **CESM-904**

Are you worried about your success in writing the Ontario Automotive Service Technician Certificate of Qualification exam? Do you feel less than confident about your readiness? This unique testing program has been developed to provide apprentice graduates and uncertified trades people with an understanding of their comprehension and exam writing abilities before writing the certification exam. The test has been designed to gauge your technical and theoretical knowledge in all areas of automotive technology. Test results will indicate subject areas of weakness where additional upgrading of skills may be required.

HOURS: 3 **FEE:** IC: \$75**SMALL ENGINE REPAIR****CESD-933**

Save money repairing your small engines. Learn to diagnose, repair and maintain your gas powered lawn care equipment. Discover how engines, carburetion and ignition systems work. Bring your lawn maintenance equipment to class and repair it under the supervision of an instructor.

HOURS: 24 **FEE:** IC: \$195

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Oct 18 – Dec 6	M	7-10 pm	ASH
Winter	821	Jan 17 – Mar 14 (no class Feb 21)	M	7-10 pm	ASH
Spring	841	May 2 – June 27 (no class May 23)	M	7-10 pm	ASH

STEERING, SUSPENSION & ALIGNMENT THEORY **CEAM-993**

This 30-hour theory and practical based course will provide students with an understanding of the vehicle under carriage such as front-end, suspension systems and alignments angles. Students will be able to identify steering components and their functions along with how to properly inspect and service them. Other discussion topics include automotive terminology, vehicle geometry and handling, safety and diagnostics.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 30 **FEE:** IC: \$215

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 14 – Nov 16	Tu	7-10 pm	ASH
Winter	821	Jan 18 – Mar 22	Tu	7-10 pm	ASH
Spring	841	May 3 – June 2	Tu/Th	7-10 pm	ASH

Can't find what you want?

Check the index at the start of each section, search online (centennialcollege.ca/parttime), call us at 416-289-5207 or e-mail ce@centennialcollege.ca

STEERING, SUSPENSION, ALIGNMENT AND BRAKES PRACTICAL**CESM-995**

This 48-hour practical course will enhance the skills and will provide additional training in the practical application of all aspects of front end alignment, suspension and specialized brakes. Topics covered include more in depth knowledge of the alignment machine, brake lathes, brake inspection and suspension inspection. Successful completion will be based on participation in class and the completion of all lab assignments.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor. Prerequisite: Steering Suspension and Alignment Theory CEAM-993 and Brakes and ABS Theory CEAM-994

HOURS: 48 **FEE:** IC: \$330

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 15 – Dec 15	W	7-10 pm	ASH
Winter	821	Jan 19 – Apr 20	W	7-10 pm	ASH
Spring	841	May 2 –20 (no class May 23)	M/W	7-10 pm	ASH

TRANSMISSIONS AND DRIVELINES**CEAM-912**

This course is designed for vehicle owners, technicians, apprentices and the enthusiasts. We will cover purpose construction, operation, diagnosis of clutches, manual transmissions, transaxles, drivelines and final drivers. Major focus on clutches and manual transaxles including overhaul procedures of transmission transaxles. No previous knowledge on topics required.

Special requirement: Safety boots and safety goggles must be worn in the lab areas. You will be denied access to labs if you are dressed inappropriately. Hearing protection will also be required when determined by the instructor.

HOURS: 42 **FEE:** IC: \$275.29

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 11 – Oct 30 (no class Oct 9)	Sa	9:30 am-3:30 pm	ASH
Winter	821	Jan 15 – Mar 5 (no class Feb 21)	Sa	9:30 am-3:30 pm	ASH

TRUCK AND COACH TECHNICIAN PRE-CERTIFICATE **CEDM-922**

This theory-based course prepares the uncertified tradesperson to write the Ontario Truck and Coach Technician Certificate of Qualification exam. Using the apprenticeship curriculum as a guideline, you will review diesel engines, brakes, suspension and steering, electrical/electronics, fuel systems, gear trains and workplace practices and procedures, with emphasis on basic theory and correct use of language/terminology. This is strictly a preparatory course and is not a replacement for the Ministry of Colleges & Universities Training-approved Truck and Coach Apprenticeship program.

HOURS: 84 **FEE:** IC: \$535.83

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 11 – Dec 18 (no class Oct 9)	Sa	9:30 am-3 pm	ASH
Winter	821	Jan 15 – Apr 30 (no class Feb 19, Apr 23)	Sa	9:30 am-3 pm	ASH

TRUCK AND TRAILER TECHNICIAN PRE-CERTIFICATE **CEDM-940**

This theory-based course prepares uncertified tradesperson to write the Ontario Truck Trailer Service Technician Certificate of Qualification Exam. Students will review the truck trailers electrical/electronic, suspensions, brakes, landing gears, heating ventilation and air conditioning system, and workplace practices and procedures with emphasis on basic theory and correct use of language/terminology.

This is strictly a preparatory course and is not a replacement for the M.E.T approved Truck Trailer apprenticeship program.

HOURS: 42 **FEE:** IC: \$285

TERM	SEC. #	DATE	DAY	TIME	LOC
Fall	801	Sept 15 – Dec 15	W	7-10 pm	ASH
Winter	821	Jan 12 – Apr 13	W	7-10 pm	ASH
Spring	841	May 2 – June 20 (no class May 23)	M/W	7-10 pm	ASH