

OYAP: AUTOMOTIVE SERVICE TECHNICIAN



ONTARIO YOUTH APPRENTICESHIP PROGRAM:

Students will be integrated with regular college apprentices to earn their Level 1 Apprenticeship. This includes alternate delivery in TEAMS and in-person shop time.

CAMPUS: Cornwall

SEATS: Students from surrounding high schools will participate

DURATION: 8 weeks from Monday October 25th to Friday December 17th

CREDITS EARNED:

- MTCU LEVEL 1 APPRENTICESHIP – CODE: **310S**
- 2 SECONDARY SCHOOL MINISTRY DUAL CREDITS – CODE: **TTE4Y**
- 5 COLLEGE CREDITS – TOTAL OF 256 HOURS

COLLEGE CREDITS INCLUDE:

MOTO 101 WORK PRACTICES (40 hours)

This course provides students with an introduction to shop safety including the use of hand tools, power tools, and hoists and other lift equipment. Additionally, course content focuses on bearings, seals and sealants, precision measuring tools, oxy-acetylene welding and cutting and the use of computers for accessing trade-related information.

MOTO 102 – ENGINE SYSTEMS 1 (40 hours)

Course content focuses on engine fundamentals and the operating characteristics of the internal combustion engine and students are introduced to engine disassembly and reassembly and related manufacturing standards. Cylinder block assembly and applications are covered with students performing inspection and testing procedures. Additionally, crankshaft assemblies are discussed in relation to engine performance.

MOTO 103 – ELECTRICAL, ELECTRONICS AND EMISSIONS SYSTEMS 1 (96 hours)

This course introduces the student to electrical, electronic, electromagnetic, and fuel system fundamentals. Course content focuses on diagnostic test equipment, the operation, inspection and testing of batteries, wiring schematics and component identification, and circuit repair and protection devices. Intake and exhaust, emission control and hybrid systems are discussed.

MOTO 104 – DRIVE TRAIN SYSTEMS (40 hours)

Clutch assemblies and basic gear theory are introduced in this course. The fundamentals and operation of manual transmissions and transaxles and their inspection, testing, service and repair are covered.

MOTO 105 – SUSPENSION, STEERING AND BRAKESYSTEMS 1 (40 hours)

This first course of three on suspension, steering, and brakes provides students with an introduction to suspension assemblies and their components, manual steering and linkage assemblies, and base brake system components and operation. Additionally, students are provided with the fundamentals of tire and wheel repair and servicing according to manufacturers' recommendations. Air brake adjustment and air brake chamber safety are also covered.

All students must have steel-toe safety boots to participate in this program.

SLC ORIENTATION DATE: Wednesday October 6th @ 10:30 a.m.

IMPORTANT DATES: FALL SEMESTER

October 25, 2021	First day of classes @ SLC
TBD	Last day to withdraw without academic penalty
Dec 17, 2021	Classes complete, Fall semester ends @ SLC

PA DAYS: During scheduled board PA days, St. Lawrence College classes are still in session.
You are expected to attend if you have an SLC class scheduled on this day.

SLC.ME – APPLYING TO GRADUATE:

Students in Level 1 Apprenticeship programs must apply to graduate through SLC.me after successful completion of their college courses. If students apply to graduate they will receive a certificate from St. Lawrence College in the mail (*please ensure your address is current and correct with the Dual Credit/PASS office*). When students complete their Level 3, students can apply to graduate and attend the convocation ceremony.

FOR MORE INFORMATION:

Website: stlawrencecollege.ca/dualcredit

Email us at: [DualCredit@sl.on.ca](mailto: DualCredit@sl.on.ca)

IN PARTNERSHIP WITH:



SCWI/PASS / St. Lawrence College / Algonquin Lakeshore Catholic District School Board / Catholic District School Board of Eastern Ontario / Limestone District School Board / Upper Canada District School Board