

AUTOMOTIVE TECHNOLOGY - INTERMEDIATE TECHNICAL CERTIFICATE (ITC)

Explore More About This Program: <https://cwi.edu/program/automotive-technology>

Certificate Quick Facts

- **Instructional School:** Industry, Engineering, and Trades
- **Department:** Diesel, Automotive, and Powersports Technology
- **Program Code:** AUTO.ITC
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

Certificate Requirements

Course	Course Title	Min Credits
General Education Degree Requirements		
<i>Complete one of the following recommended courses to fulfill the GEM 1 or GEM 2 requirement:</i>		
Select one of the following:		
ENGL 101	Writing and Rhetoric I ¹	3
COMM 101	Fundamentals of Oral Communication ^{1,2}	
<i>Complete the following recommended course to fulfill the GEM 3 requirement:</i>		
MATH 118 & 118L	Technical Math and Technical Math Lab ¹	3
<i>Complete the following recommended course to fulfill the GEM 6 requirement:</i>		
PSYC 140	Human Relations for Career and Personal Success ¹	3
Major Requirements		
AUTO 112	Automotive Foundations and Safety	3
AUTO 115	Automotive Maintenance	3
AUTO 121	Automotive Electrical Systems I	3
AUTO 125	Automotive Electrical Systems II	3
AUTO 131	Brakes	3
AUTO 135	Suspension and Steering	3
AUTO 141	Engine Repair	3
AUTO 145	Manual Drivetrain and Axles	3
Minimum Credit Hours Required		33

¹ The courses listed under the General Education Requirements section are recommended by the department as the most beneficial general education (GE) options for students in this program. **Please note that students may fulfill their GE requirements by completing another course from within the applicable general education category.**

² Students in this program must complete a 3-credit Oral Communication course in order to fulfill their GEM 2 requirement.

Plan of Study Guide

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this Plan of Study Guide. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your Student Success Advisor for any questions regarding this course sequence plan.

****NOTE****

Automotive Technology (AUTO) majors are required to complete three general education courses in order to receive an Intermediate Technical Certificate. Prior to beginning their AUTO courses, students are strongly encouraged to complete ENGL 101 Writing and Rhetoric I, MATH 118 Technical Math, and MATH 118L Technical Math Lab. While it is recommended that students complete all three of their required general education courses during the spring and/or summer semester(s) prior to beginning the program, students may elect to take the additional required GEM course(s) the summer semester after completing their required AUTO courses if preferred. Students may also complete GEM courses during regular semesters while enrolled in AUTO courses, if they feel capable of doing so, and can complete them in any order they prefer.

First Year**Summer****Credit Hours**

Select one of the following:		3
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) ¹	
COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) ^{1,2}	
MATH 118 & 118L	Technical Math and Technical Math Lab (Recommended GEM 3) ¹	3
Total Semester Credit Hours		6

Fall

AUTO 112	Automotive Foundations and Safety	3
AUTO 115	Automotive Maintenance	3
AUTO 121	Automotive Electrical Systems I	3
AUTO 141	Engine Repair	3
Total Semester Credit Hours		12

Spring

AUTO 125	Automotive Electrical Systems II	3
AUTO 131	Brakes	3
AUTO 135	Suspension and Steering	3
AUTO 145	Manual Drivetrain and Axles	3
PSYC 140	Human Relations for Career and Personal Success (Recommended GEM 6) ¹	3
Total Semester Credit Hours		15
Minimum Credit Hours Required		33

¹ The general education (GE) courses listed above are recommended by the department as the most beneficial GE options for students in this program. **Please note that students may fulfill their GE requirements by completing another course from within the applicable general education category.**

² Students in this program must complete a 3-credit Oral Communication course in order to fulfill their GEM 2 requirement.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate the appropriate mastery of knowledge and skills that are identified by the National Automotive Technicians Education Foundation (NATEF) Task List to become a successful entry-level automotive technician.
- Demonstrate the ability to communicate effectively.
- Demonstrate knowledge and understanding of safety practices specifically related to automotive repair at CWI.
- Demonstrate industry standards for preparing a vehicle.