

AUTOMOTIVE TECHNOLOGY - ADVANCED TECHNICAL CERTIFICATE (ATC)

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

Certificate Plan: Fall Or Spring Start

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 course sequence plan. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this course sequence plan.

NOTE

Automotive Technology (AUTO) majors are required to complete two general education courses in order to receive an Advanced 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 both of their required general education courses during the semester prior to beginning the program, students who scored high enough on their Math and English placement tests to register for first-semester AUTO classes may elect to take the required GEM courses during the summer semester between their first and second year in the program, 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. **Students should note that the completion of a GEM 1 and GEM 3 course are required prior to beginning their final semester of the program.**

First Year

Summer		Credit Hours
Full 8-Week Course Session		
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) ¹	3
MATH 118 & 118L	Technical Math and Technical Math Lab (Recommended GEM 3) ¹	3
Total Semester Credit Hours		6

Fall

First 4-Week Course Session		
AUTO 112	Automotive Foundations and Safety	3
Second 4-Week Course Session		
AUTO 115	Automotive Maintenance	3
Third 4-Week Course Session		
AUTO 121	Automotive Electrical Systems I	3
Fourth 4-Week Course Session		
AUTO 141	Engine Repair	3
Total Semester Credit Hours		12

Spring

First 4-Week Course Session

AUTO 125	Automotive Electrical Systems II	3
Second 4-Week Course Session		
AUTO 131	Brakes	3
Third 4-Week Course Session		
AUTO 135	Suspension and Steering	3
Fourth 4-Week Course Session		
AUTO 145	Manual Drivetrain and Axles	3
Total Semester Credit Hours		12

Second Year

Fall

First 4-Week Course Session		
AUTO 250	Engine Management Systems I	3
Second 4-Week Course Session		
AUTO 255	Engine Management Systems II	3
Third 4-Week Course Session		
AUTO 260	Automatic Transmission/Transaxle	3
Fourth 4-Week Course Session		
AUTO 265	Heating and Air Conditioning	3
Total Semester Credit Hours		12

Spring

First 4-Week Course Session		
AUTO 270	Light-Duty Diesel Technology	3
Second 4-Week Course Session		
AUTO 275	Electric Vehicle and Hybrid Technology	3
Third 4-Week Course Session		
AUTO 280	Automotive Shop Practice	3
Fourth 4-Week Course Session		
AUTO 290	Automotive Technology Capstone	3
Total Semester Credit Hours		12
Minimum Credit Hours Required		54

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 within the designated general education category.**