



## AUTOMOTIVE TECHNOLOGY PROGRAM

### Associate of Applied Science

#### JOB OPPORTUNITIES FOR GRADUATES

Employment of automotive service technicians and mechanics is projected to grow about as fast as the average for all occupations.

As vehicles continue to become more sophisticated, more trained service technicians will be needed to do basic diagnostics, maintenance and repair. The increasing lifespan of late-model cars and light trucks will further increase demand for qualified workers.

With some employers reporting difficulty finding workers with the right skills and education, job opportunities for qualified applicants should be very good. Jobseekers who have completed formal postsecondary training programs — especially candidates with training in advanced automotive technology, such as hybrid fuel or computer systems — should enjoy the best job prospects. Those without formal automotive training are likely to face strong competition for entry-level jobs.

#### SALARY

The median annual wage for automotive service technicians and mechanics was \$46,760 in May 2020. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less.

<https://www.bls.gov/oes/current/oes493023.htm>

#### LOCATION

Toledo-area Campus

#### ACCREDITATION

Automotive Technologies is accredited by ASE (Automotive Service Excellence).

ASE examines the structure, resources and quality of training programs and evaluates them against standards established by the industry. These standards reflect the skills that students must master to be successful in the industry.



#### EMPLOYER TESTIMONIALS

Over the last 10 years AAA Northwest Ohio has had the opportunity to hire several Owens Community College students in our AAA Car Care Plus facilities. The Automotive Technology Department has done an excellent job in preparing students for the interview, the expectations of the businesses they are interviewing with, and the overall job itself. This has been accomplished through collaboration with the College and local businesses.

The students themselves are taking what they have learned from their instructors seriously and putting it to use in everything from filling out the application, setting an appointment for the interview, the interview, and the ability to perform the job itself. All of the students / graduates we have hired are among the best with a desire to perform quality service for our AAA Members and Customers.

We are proud at AAA Car Care Plus to say that we have Owens Community College graduates / students working with us. We appreciate the faculty and staff at Owens for their commitment to a quality education for their students.

Bob Kazmierczak  
VP Automotive Services & Enterprise Development  
AAA Northwest Ohio

**OWENS.EDU**

#### Office of Admissions

Toledo-area Campus - (567) 661-7777  
Findlay-area Campus - (567) 429-3509

#### Transportation Technologies

(567) 661-7388



**OWENS**  
COMMUNITY COLLEGE

# PROGRAM CURRICULUM

## AUTOMOTIVE TECHNOLOGY PROGRAM

Associate of Applied Science

### REQUIRED COURSES

High school and adult career-technical students who successfully complete specified technical programs are eligible to have technical credit transfer. For more information on career-technical course work that students can complete for transfer, visit the University System of Ohio Board of Regents, Career-Technical Credit Transfer (CT)2 website or contact your Advisor.

#### 1ST SEMESTER

AUT 110	Automotive Service Fundamental	Credits: 2(Lec: 1 Lab: 3)
AUT 113	Automotive Brakes	Credits: 3(Lec: 1 Lab: 6)
AUT 130	Vehicle Electric & Electronics	Credits: 3(Lec: 2 Lab: 3)
AUT 291	Automotive Field Experience	Credits: 1 to 3(Lec: 1 to 3 Oth: 3 to 9)
IST 100	Fundamentals of Computing	Credits: 1(Lec: 1)
STM 105	Technology in Society	Credits: 2(Lec: 2)

#### 2ND SEMESTER

AUT 114	Anti-Lock Brake System	Credits: 2(Lec: 1.50 Lab: 1.50)
AUT 133	Automotive Electrical Systems	Credits: 3(Lec: 2 Lab: 3)
AUT 141	Automotive Engine Fundamentals	Credits: 3(Lec: 2 Lab: 3)
AUT 291	Automotive Field Experience	Credits: 1 to 3(Lec: 1 to 3 Oth: 3 to 9)
MTH 143	Applied Industrial Mathematics	Credits: 3(Lec: 3)

#### 3RD SEMESTER

AUT 212	Air Conditioning	Credits: 2(Lec: 1.50 Lab: 1.50)
AUT 214	Wheel Alignment & Suspensions	Credits: 3(Lec: 1 Lab: 6)
AUT 232	Vehicle Accessory Systems	Credits: 2(Lec: 1.50 Lab: 1.50)

#### 4TH SEMESTER

AUT 248	Engine Perform & Drivability	Credits: 8(Lec: 6 Lab: 6)
AUT 291	Automotive Field Experience	Credits: 1 to 3(Lec: 1 to 3 Oth: 3 to 9)
PHY 143	Applied Industrial Physics	Credits: 3(Lec: 3)
SPE 101	Public Speaking	Credits: 3(Lec: 3)



#### 5TH SEMESTER

AUT 111	Standard Transmission	Credits: 2(Lec: 1 Lab: 3)
AUT 213	Fund of Automatic Transmission	Credits: 2(Lec: 1 Lab: 3)
AUT 291	Automotive Field Experience	Credits: 1 to 3(Lec: 1 to 3 Oth: 3 to 9)
AUT 215	Auto Trans Diagnosis	Credits: 2(Lec: 1 Lab: 3)
AUT 249	Hybrid Elect & Fuel Cell Veh	Credits: 2(Lec: 1.50 Lab: 1.50)
ENG 111	Composition I*	Credits: 3(Lec: 3)
PSY 111	Indust/Organization Psych	Credits: 3(Lec: 3)

\*Ohio Transfer Module Course

More information about the Ohio Transfer Module Course can be found at [www.ohiohighered.org/transfer/transfermodule](http://www.ohiohighered.org/transfer/transfermodule)

OWENS.EDU

#### Office of Admissions

Toledo-area Campus - (567) 661-7777  
Findlay-area Campus - (567) 429-3509

#### Transportation Technologies

(567) 661-7388

Your *Success* Starts Here.



OWENS  
COMMUNITY COLLEGE