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## AUTOMOTIVE TECHNOLOGIES AT CLAY HIGH SCHOOL

**Owens Community College Major:** Automotive Technology

**Program Length:** 5 semesters      **Credits:** 61-65

### PROGRAM INFORMATION

This program equips and prepares the student with the knowledge and skills needed to complete in today's fast-changing automotive industry. Students are taught to diagnose, correct and repair electrical, fuel, emissions and mechanical problems found in today's modern automobile.

### JOB OPPORTUNITIES FOR GRADUATES

Employment of automotive service technicians and mechanics is projected to grow 9 percent from 2012 to 2022, about as fast as the average for all occupations.

As the number of vehicles in use continues to rise, more entry level service technicians will be needed to do basic maintenance and repair, such as replacing brake pads and changing oil. 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.

### 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, knowing 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 and Enterprise Development, AAA Northwest Ohio*

### SALARY

The median annual wage for automotive service technicians and mechanics was \$36,610 in May 2012. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than \$20,810, and the top 10 percent earned more than \$60,070.



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**1ST SEMESTER**

<b>AUT 110 Automotive Service Fundamental</b>	<b>Credits: 2</b>
<b>AUT 113 Automotive Brakes</b>	<b>Credits: 3</b>
<b>AUT 130 Vehicle Electric &amp; Electronics</b>	<b>Credits: 3</b>
AUT 291 Automotive Field Experience	Credits: 1 to 3
IST 100 Fundamentals of Computing	Credits: 1
STM 105 Technology in Society	Credits: 2

**2ND SEMESTER**

AUT 114 Anti-Lock Brake System	Credits: 2
<b>AUT 133 Automotive Electrical Systems</b>	<b>Credits: 3</b>
<b>AUT 141 Automotive Engine Fundamentals</b>	<b>Credits: 3</b>
AUT 291 Automotive Field Experience	Credits: 1 to 3
MTH 143 Applied Industrial Mathematics	Credits: 3

**3RD SEMESTER**

AUT 212 Air Conditioning	Credits: 2
<b>AUT 214 Wheel Alignment &amp; Suspensions</b>	<b>Credits: 3</b>
AUT 232 Vehicle Accessory Systems	Credits: 2

**4TH SEMESTER**

AUT 248 Engine Perform & Drivability	Credits: 8
AUT 291 Automotive Field Experience	Credits: 1 to 3
PHY 143 Applied Industrial Physics	Credits: 3
SPE 101 Public Speaking	Credits: 3

**5TH SEMESTER**

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

**Students will also earn AUT 145: Drivability & Engine Perform (Credits: 3)**

**AUT 113 - In order to earn the CTAG credit, the student must pass Brakes with a C or better, and pass the NATEF end of program assessment or ASE certification (current within 2 years).**

**AUT 130 - In order to earn the CTAG credit, the student must pass Electrical/Electronic Systems with a C or better, and pass the NATEF end of program assessment or ASE certification (current within 2 years).**

**AUT 145 - In order to earn the CTAG credit, the student must pass Engine Performance with a C or better, and pass the NATEF end of program assessment or ASE certification (current within 2 years).**

**AUT 214 - In order to earn the CTAG credit, the student must pass Suspension & Steering with a C or better, and pass the NATEF end of program assessment or ASE certification (current within 2 years.)**

This program participates in College Credit Plus (CCP) at Owens Community College, as well as earns college credit through the (CT)<sup>2</sup> program.

College Credits earned via CCP:	08
College Credits earned via (CT) <sup>2</sup> :	12
<b>TOTAL:</b>	<b>20</b>

**Cost savings to the student: \$3,060**

*Calculation is based on current tuition structure, and is subject to change.*

Students do not receive an application fee if they continue their studies at Owens Community College!

For enrollment information, please contact your Admissions Representative:

Office of Admissions  
30335 Oregon Rd.  
Perrysburg, OH 43551  
(567) 661-7777

\*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)

**TECH PREP SCHOLARSHIP**

Owens Community College offers Tech Prep scholarships to graduating high school seniors who have participated in a Tech Prep career pathway within the Greater Northwest Ohio Tech Prep Consortium. The maximum award is \$2,000 total (\$1,000 per year) or \$500 per semester for four semesters to cover tuition, fees, and an allotment for books **that are not covered** by other financial aid, such as the Federal Pell Grant, as long as the student maintains eligibility. This scholarship does not pay for supplies, lab fees, course fees, and other institutional fees. Students must have earned a 2.5 on a 4.0 by the end of the 7<sup>th</sup> semester of high school. They must enroll at Owens, full time, for the fall semester immediately following high school graduation, and declare an associate degree program related to the chosen high school Tech Prep pathway.



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