



Wayne  
County  
Community  
College  
District

# Auto Body Technology

## PAY

In May 2019, the median annual wage for automotive body and related repairers was \$43,580.

## JOB OUTLOOK

Employment of automotive body and glass repairers is projected to grow 4 percent from 2018 to 2028, as fast as average for all occupations. Job opportunities should be very good for jobseekers with industry certification and formal training in automotive body repair and refinishing, and in collision repair.

*Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, April 2020, Automotive Body and Glass Repairers, on the Internet at <http://www.bls.gov/ooh/installation-maintenance-and-repair/automotive-body-and-glass-repairers.htm>*



## ABOUT THE PROGRAM

The Auto Body Technology Associate of Applied Science degree is designed to provide students with in-depth instruction in the field of Automotive Body Paint and Repair. The Auto Body Technology Program is designed to develop qualified technicians who can diagnose, repair and service the body and finish work of automobiles. The program provides opportunities for the student to develop their skills and competencies for positions such as Automotive Painter, Auto Body



Paint and Repair Technician, Collision Repair Technician, Glazier (glass repair specialist), as well as self-employment in the Auto Body and Auto Collision repair field. The program prepares students for Automotive Service Excellence (ASE) and State of Michigan certifications in Damage Repair and Refinishing, and Damage Analysis and Estimating.

## WHAT DO AUTO BODY TECHNICIANS DO?

Auto Body Technicians inspect car frames for structural damage. Technicians can restore, refinish, and replace vehicle bodies and frames, windshields and window glass. Technicians can repair most damage from vehicle collisions and make vehicles look and drive like new. Damage may be minor, such as replacing a cracked windshield, or major, such as replacing an entire door panel. After a major collision, the underlying frame of a car can become bent out of shape. Repairers restore the structural integrity of car frames back to manufacturer specifications.

## WHERE DO THEY WORK?

Repair technicians work indoors in body shops, which are often noisy. Most shops are well ventilated to disperse dust and paint fumes. Repair technicians sometimes work in awkward and cramped positions, and their work can be physically demanding. Automotive glass installers and repairers often travel to the customer's location to repair damaged windshields and window glass.

## Recommended Sequence of Courses

### Auto Body Technology: College Certificate

CR. No.	COURSE TITLE	CREDITS
<b><u>SEMESTER 1</u></b>		
ABT 101	Intro to Auto Body Technology . . .	4
ABT 103	Auto Body Work Environment and Safety . . . . .	4
ABT 131	Introduction to Electrical/ Mechanical Repair . . . . .	2
CIS 110	Intro to Computer Info Systems . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

### **SEMESTER 2**

ABT 105	Damage Analysis and Repair Estimating . . . . .	4
ABT 141	Surface Preparation and Fillers . .	4
ENG 119	English 1 . . . . .	3
MAT 105	Pre-Algebra . . . . .	3
—OR—		
MAT 111	Pre-College Mathematics . . . . .	3
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

### **SEMESTER 3**

ABT 201	Basic Automotive Finishes . . . . .	4
ABT 203	Advanced Finishes/Custom Paint . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>8</b>
<b>CERTIFICATE TOTAL . . . . .</b>		<b>36</b>

*Note: Certificate totals may not include prerequisites.*

### Auto Body Technology: Associate of Applied Science (A.A.S.)

CR. No.	COURSE TITLE	CREDITS
<b><u>SEMESTER 1</u></b>		
ABT 101	Intro to Auto Body Technology . . .	4
ABT 103	Auto Body Work Environmental and Safety . . . . .	4
ABT 131	Introduction to Electrical/ Mechanical Repair . . . . .	2
CIS 110	Intro to Computer Info Systems . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

### **SEMESTER 2**

ABT 105	Damage Analysis and Repair Estimate . . . . .	4
ABT 141	Surface Preparation and Fillers . .	4
MAT 105	Pre-Algebra . . . . .	3
—OR—		
MAT 111	Pre-College Mathematics . . . . .	3
ENG 119	English I . . . . .	3
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

### **SEMESTER 3**

ABT 201	Basic Auto Finishes . . . . .	4
ABT 203	Advanced Finishes/Custom Paint . . . . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>8</b>

### **SEMESTER 4**

WLT 101	Arc - O2 /Acetylene Welding . . . .	5
Elective:	Humanities . . . . .	3
PS 101	American Government . . . . .	3
ENG 120	English II . . . . .	3
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

### **SEMESTER 5**

SPH 101	Fundamentals of Speech . . . . .	3
Elective:	Natural Science with Lab . . . . .	4
WLT 105	MIG/Flux-Core/Plasma Welding . . . . .	5
<b>SEMESTER TOTAL . . . . .</b>		<b>12</b>

**A.A.S. PROGRAM TOTAL . . . . .62**

*Note: Program totals may not include prerequisites.*