

Auto Body Repair AAS DEGREE

Program Overview

Auto body workers repair or replace automotive body and frame components. The job involves many skills including frame repair, welding and cutting, metal straightening, application of up-to-date body materials, metal finishings, and painting and alignment of body components. Auto body repair workers also estimate damage and compute labor and material costs.

Career Opportunities

As the population increases so does the use of automobiles and the number of automobile accidents. The U.S. Department of Labor predicts that employment of auto body repair workers will continue to increase.

Employment is steady throughout the year. Graduates often enter an apprenticeship training program and work under an experienced journey person for a period of at least three years. The usual four-year apprenticeship term is shortened by completing a college program in auto body repair. There are opportunities for advancement to estimator, adjuster, service manager, parts manager, or shop owner.

Program Outcomes

1. Graduates will have knowledge and skills in operating hand and power tools necessary in Auto Body Repair.
2. Graduates will have knowledge and skills in welding, cutting, straightening and replacement of parts on an automobile.
3. Graduates will have knowledge and skills in correct use and application of up-to-date materials used in auto body repairs.
4. Graduates will have knowledge and skills in assessing damage, writing a repair plan, and ordering parts and materials.
5. Graduates will have supervised hands-on experience working on customer vehicles and doing real-world repairs.
6. Graduates will be prepared for entry-level employment in the auto body industry.
7. Graduates will have business and management skills required of an Auto Body Technician.
8. Graduates will have critical thinking skills.

Additional Requirements/Recommendations

- Students must read well enough to follow written instructions and comprehend technical information.
- Basic arithmetic skills are needed in order to prepare paint and body material estimates and paint formulas.
- Physical requirements include good mechanical coordination, good eyesight (including color vision), average strength, good sense of feel, and ability to withstand dust, paint fumes, and noise.

Program Faculty

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651.846.1392

Shop/Classroom visit recommended

Contact program faculty for a shop visit.

Length of Program

This is a full-time, day program. The program can be completed in four semesters, one of which is the summer term.

Program Requirements

Check off when completed

Course	Cr
<input type="checkbox"/> ABDY 1400 Introduction to Auto Body Repair . . . 3	
<input type="checkbox"/> ABDY 1410 Auto Body Sheet Metal Repair 3	
<input type="checkbox"/> ABDY 1420 Auto Body Repair Techniques 3	
<input type="checkbox"/> ABDY 1430 Introduction to Paint Prep. 4	
<input type="checkbox"/> ABDY 1440 Advanced Body & Frame Repair Theory. 2	
<input type="checkbox"/> ABDY 1450 Collision Repair, Estimating & Shop Management 2	
<input type="checkbox"/> ABDY 1510 Advanced Body & Frame Repair 3	
<input type="checkbox"/> ABDY 1520 Paint & Color Matching Techniques . . . 4	
<input type="checkbox"/> ABDY 1530 Paint Finish & Detailing 4	
<input type="checkbox"/> ABDY 1540 Auto Body Specialization Finishes . . . 4	
<input type="checkbox"/> ABDY 1550 General Auto Body Detailing 4	
<input type="checkbox"/> ABDY 1560 Alignment & Brakes for Auto Body . . . 2	
<input type="checkbox"/> ABDY 1570 Air Conditioning & Auto Electric . . . 3	
<input type="checkbox"/> ABDY 1581 Welding – Auto Body 1 2	
<input type="checkbox"/> ABDY 1582 Welding – Auto Body 2 3	
Subtotal 46	

General Education/MnTC Requirements Cr

Refer to the Minnesota Transfer Curriculum Course List for each Goal Area

<input type="checkbox"/> Goal 1: Communication 7	
ENGL 1711 Composition 1 – 4 cr	
SPCH XXXX (Goal 1 only) – 3 cr	
<input type="checkbox"/> Goal 3 or Goal 4 3	
Goal 3: Natural Sciences OR	
Goal 4: Mathematical/Logical Reasoning	
<input type="checkbox"/> Goal 5: History, Social Science, and Behavioral Sciences 3	
<input type="checkbox"/> Goal 6: Humanities and Fine Arts. 3	
General Education Requirements 16	

Total Program Credits 62

Additional Program Requirements/Costs

It is mandatory for students in this program to purchase tools and equipment, personal protective/safety equipment, and textbooks for a total additional program cost of approximately \$1,000 to \$2,000. Contact Program Faculty for more information.

Program Start Dates

Fall, Summer

Course Sequence

Recommended course sequence is dependent upon which Semester/Term the student starts the Auto Body Repair, AAS Degree program. Follow the appropriate sequence listed - see back page.

Transfer Opportunities

Saint Paul College has a transfer articulation agreement between the following program and post-secondary institutions for the baccalaureate degree programs listed below.

For more information please go to www.saintpaul.edu/Transfer.

Auto Body Repair AAS

- BS Operations Management
Minnesota State University-Moorhead
- BS Applied Management
Dunwoody College of Technology

See back of this guide for Course Sequence

Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

Reading: Score of 60+ or grade of "C" or better in READ 0721

Writing: Score of 60+ or grade of "C" or better in ENGL 0921

Arithmetic: Score of 31+

Spatial assessment required: Score 10+
Shop/classroom visit recommended

Assessment Results and Prerequisites:

Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

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*Information is subject to change.
This Program Requirements Guide is not a contract.*

Auto Body Repair AAS DEGREE *(continued)*

Course Sequence

Recommended course sequence is dependent upon which Semester/Term the student starts the Auto Body Repair, AAS Degree program. Follow the appropriate sequence listed as indicated below.

Summer Term Start

First Semester

ABDY 1560 Alignment & Brakes for Auto Body	2
ABDY 1570 Air Conditioning & Auto Electric.	3
ABDY 1581 Welding - Auto Body 1	2
ABDY 1582 Welding - Auto Body 2	3
General Education Requirement.	3
Total Semester Credits.	13

Second Semester

ABDY 1400 Introduction to Auto Body Repair	3
ABDY 1410 Auto Body Sheet Metal Repair	3
ABDY 1420 Auto Body Repair Techniques	3
ABDY 1430 Introduction to Paint Prep	4
ABDY 1440 Advanced Body & Frame Rep Theory.	2
ABDY 1450 Collision Repair, Estimating & Shop Management	2
Total Semester Credits.	17

Third Semester

ABDY 1510 Advanced Body & Frame Repair	3
ABDY 1520 Paint & Color Matching Techniques	4
ABDY 1530 Paint Finish & Detailing	4
ABDY 1540 Auto Body Specialization Finishes.	4
ABDY 1550 General Auto Body Detailing	4
Total Semester Credits.	19

Remaining General Education courses. 13
 General Education courses are taken after the ABDY courses are completed or if your schedule permits in the evening during the semester of ABDY enrollment.

Total Program Credits 62

Fall Semester Start

First Semester

ABDY 1400 Introduction to Auto Body Repair	3
ABDY 1410 Auto Body Sheet Metal Repair	3
ABDY 1420 Auto Body Repair Techniques	3
ABDY 1430 Introduction to Paint Prep	4
ABDY 1440 Advanced Body & Frame Rep Theory.	2
ABDY 1450 Collision Repair, Estimating & Shop Management	2
Total Semester Credits.	17

Second Semester

ABDY 1510 Advanced Body & Frame Repair	3
ABDY 1520 Paint & Color Matching Techniques	4
ABDY 1530 Paint Finish & Detailing	4
ABDY 1540 Auto Body Specialization Finishes.	4
ABDY 1550 General Auto Body Detailing	4
Total Semester Credits.	19

Third Semester

ABDY 1560 Alignment & Brakes for Auto Body	2
ABDY 1570 Air Conditioning & Auto Electric.	3
ABDY 1581 Welding - Auto Body 1	2
ABDY 1582 Welding - Auto Body 2	3
General Education Requirement.	3
Total Semester Credits.	13

Remaining General Education courses. 13
 General Education courses are taken after the ABDY courses are completed or if your schedule permits in the evening during the semester of ABDY enrollment.

Total Program Credits 62