

Auto Body Collision Technology

Winona Campus

OVERVIEW

In Auto Body Collision Technology at Minnesota State College Southeast in Winona, you'll learn refinishing, repair, replacement, and adjustment of body panels. The program also includes structural, mechanical, and electrical repair as well as new technologies such as working with aluminum and carbon fiber. With experience in all of these areas, you will have career opportunities in several different specialties upon graduation.

Our students develop strong problem-solving skills through hands-on learning and classroom instruction. You will learn how to access and interpret product data sheets, service information, and estimating guides. Students have the opportunity to take the coursework to earn I-CAR industry accreditation. Most importantly, you'll work on real vehicles in our state-of-the art facility.

Auto Body Collision Technology is certified by the ASE Education Foundation making the program at Minnesota State College Southeast one of only a handful of schools in the United States certified in the four major areas of Auto Body: Refinishing, structural, non-structural, and mechanical/electrical. Job placement in this major is 100%.

MAJORS WITHIN

Auto Body Collision Technology	AAS	67 credits
Auto Body Collision Technology	Diploma	52 credits
Auto Body Refinishing	Certificate	24 credits
Auto Body Sheet Metal Repair and Replacement	Certificate	27 credits

Estimated costs for each major including tuition, books and supplies are posted on southeastmn.edu under Academics > Academic Programs by Degree.

PROGRAM OUTCOMES

Program graduates will be able to:

1. Perform body panel and minor structural repairs and parts replacement.
2. Perform vehicle refinishing preparation, application, and paint detailing.
3. Dismantle and reassemble vehicle body parts, trim, interior components, and non-structural glass.
4. Demonstrate safe and professional work habits.
5. Perform minor mechanical and electrical collision-related procedures.
6. Assess a vehicle's damage and develop a repair plan utilizing service information.
7. Using the written damage report, interpret the procedures for the repairs and check all replacement parts for correct matches to the vehicle and the damage report.



PROGRAM HIGHLIGHTS

Certified by the Automotive Service Excellence (ASE) Education Foundation

Instructors are Automotive Service Excellence (ASE) certified.

The program follows Inter-Industry Conference on Auto Collision Repair (I-CAR) recommended guidelines and offers the students the opportunity to gain I-CAR course credits.

Program is continually upgraded to maintain the latest technology used in industry.

70% of coursework is hands-on in a lab setting.

CAREER OPPORTUNITIES

Auto Body and Structural Repair
Auto Body Refinishing
Damage Claims Writer
Shop Manager/Owner
Parts and Supply Industry
Related Manufacturing

JOB PLACEMENT

Nearly 100%



Auto Body Collision

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Minnesota State College Southeast is an affirmative action/equal opportunity educator and employer.

This document is available in an alternative format upon request. If you need an accommodation, please call 507-453-2700.

Auto Body Collision Technology - Fall Start

Sample Program Plan Revised 6.1.26

Auto Body Collision Technology - AAS

Course No.	Course Name	Credits
First Semester (Fall)		
Goal 4	Mathematics	3
ABCT1115	Introduction to Transportation Careers	1
ABCT1125	Auto Body Welding 1	2
ABCT1135	Auto Body Mechanical 1	2
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1165	Sheet Metal Repair and Replacement	5
Semester total		17
Second Semester (Spring)		
Goal 1	Written and Oral Communication	3
ABCT1245	Plastic and Composites Repair	2
ABCT1255	Refinishing 2	5
ABCT1265	Refinishing Lab	2
ABCT1275	Production Lab 1	4
Semester total		16
Third Semester (Fall)		
GEN ED	MnTC Goal 1-10 (see advisor)	3
ABCT1316	Auto Body Basic Electrical	3
ABCT1325	Auto Body Welding 2	2
ABCT1335	Auto Body Mechanical 2	3
ABCT1345	Structural Repairs	3
ABCT1355	Refinishing 3	2
ABCT1375	Production Lab 2	2
Semester total		18
Fourth Semester (Spring)		
ABCT Technical Electives (see advisor)		4
GEN ED	Humanities Requirement	3
GEN ED	Social Science Requirement	3
ABCT1417	Repair Planning and Estimating	3
ABCT1485	Collision Lab	2
Semester total		16
Total Required Credits		67

Auto Body Sheet Metal Repair and Replacement Certificate

Course No.	Course Name	Credits
First Semester (Fall)		
ABCT1115	Introduction to Transportation	1
ABCT1125	Auto Body Welding I	2
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1165	Sheet Metal Repair and Replacement	5
Semester total		12
Second Semester (Spring)		
ABCT1245	Plastic and Composites	2
ABCT1275	Production Lab I	4
Semester total		6
Third Semester (Fall)		
ABCT Technical Electives (see advisor)		4
ABCT1325	Auto Body Welding 2	2
ABCT1345	Structural Repair	3
Semester total		9
Total Required Credits		27

Auto Body Collision Technology - Diploma

Course No.	Course Name	Credits
First Semester (Fall)		
ABCT1115	Introduction to Transportation	1
ABCT1125	Auto Body Welding 1	2
ABCT1135	Auto Body Mechanical 1	2
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1165	Sheet Metal Repair and Replacement	5
Semester total		14
Second Semester (Spring)		
ABCT1245	Plastic and Composites Repair	2
ABCT1255	Refinishing 2	5
ABCT1265	Refinishing Lab	2
ABCT1275	Production Lab 1	4
Semester total		13
Third Semester (Fall)		
ABCT1316	Auto Body Basic Electrical	3
ABCT1325	Auto Body Welding 2	2
ABCT1335	Auto Body Mechanical 2	3
ABCT1345	Structural Repairs	3
ABCT1355	Refinishing 3	2
ABCT1375	Production Lab 2	2
Semester total		15
Fourth Semester (Spring)		
ABCT Technical Electives (see advisor)		4
ABCT1417	Repair Planning and Estimating	2
ABCT1485	Collision Lab	4
Semester total		10
Total Required Credits		52

Auto Body Refinishing - Certificate

Course No.	Course Name	Credits
First Semester (Fall)		
ABCT1115	Introduction to Transportation Careers	1
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
Semester total		5
Second Semester (Spring)		
ABCT	Technical Electives (see advisor)	4
ABCT1245	Plastic and Composites Repair	2
ABCT1255	Refinishing 2	5
ABCT1265	Refinishing Lab	2
Semester total		13
Third Semester (Fall)		
ABCT Technical Electives (see advisor)		4
ABCT1355	Refinishing 3	2
Semester total		6
Total Required Credits		24
Total Required Credits		17

Auto Body Collision Technology - Spring Start

Sample Program Plan Revised 6.1.26

Auto Body Collision Technology - AAS

Course No.	Course Name	Credits
First Semester (Spring)		
Goal 4	Mathematics	3
ABCT1245	Plastic and Composites Repair	2
ABCT1255	Refinishing 2	5
ABCT1265	Refinishing Lab	2
Semester total		12
Second Semester (Fall)		
Goal 1	Written and Oral Communication	3
ABCT1115	Introduction to Transportation Careers	1
ABCT1125	Auto Body Welding I	2
ABCT1135	Auto Body Mechanical I	2
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1165	Sheet Metal Repair and Replacement	5
Semester total		17
Third Semester (Spring)		
Goal 6	Humanities and Fine Arts	3
GEN ED	MnTC Goals 1-10 Electives	3
ABCT	Technical Electives (see advisor)	4
ABCT1275	Production Lab 1	4
ABCT1417	Repair Planning and Estimating	2
ABCT1485	Collision Lab	4
Semester total		20
Fourth Semester (Fall)		
Goal 5	History, Social and Behavioral Sciences	3
ABCT1316	Auto Body Basic Electrical	3
ABCT1325	Auto Body Welding 2	2
ABCT1335	Auto Body Mechanical 2	3
ABCT1345	Structural Repairs	3
ABCT1355	Refinishing 3	2
ABCT1375	Production Lab 2	2
Semester total		18
Total Required Credits		67

Auto Body Sheet Metal Repair and Replacement Certificate

Course No.	Course Name	Credits
First Semester (Spring)		
ABCT1115	Introduction to Transportation Careers	1
ABCT1245	Plastic and Composites Repair	2
Semester total		3
Second Semester (Fall)		
ABCT1125	Auto Body Welding I	2
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1165	Sheet Metal Repair and Replacement	5
Semester total		11
Third Semester (Spring)		
ABCT	Technical Electives (see advisor)	4
Semester total		4
Fourth Semester (Fall)		
ABCT1275	Production Lab I	4
ABCT1325	Auto Body Welding 2	2
ABCT1345	Structural Repair	3
Semester total		9
Total Required Credits		27

Auto Body Collision Technology - Diploma

Course No.	Course Name	Credits
First Semester (Spring)		
ABCT1115	Introduction to Transportation Careers	1
ABCT1245	Plastic and Composites Repair	2
ABCT1255	Refinishing 2	5
ABCT1265	Refinishing Lab	2
Semester total		10
Second Semester (Fall)		
ABCT1125	Auto Body Welding 1	2
ABCT1135	Auto Body Mechanical 1	2
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1165	Sheet Metal Repair and Replacement	5
Semester total		13
Third Semester (Spring)		
ABCT1275	Production Lab 1	4
ABCT1417	Repair Planning and Estimating	2
ABCT1485	Collision Lab	4
Semester total		10
Fourth Semester (Fall)		
ABCT	Technical Electives (see advisor)	4
ABCT1316	Auto Body Basic Electrical	3
ABCT1325	Auto Body Welding 2	2
ABCT1335	Auto Body Mechanical 2	3
ABCT1345	Structural Repairs	3
ABCT1355	Refinishing 3	2
ABCT1375	Production Lab 2	2
Semester total		19
Total Required Credits		52

Auto Body Refinishing - Certificate

Course No.	Course Name	Credits
First Semester (Spring)		
ABCT	Technical Electives (see advisor)	4
ABCT1245	Plastic and Composites Repair	2
ABCT1255	Refinishing 2	5
ABCT1265	Refinishing Lab	2
Semester total		13
Second Semester (Fall)		
ABCT	Technical Electives (see advisor)	4
ABCT1115	Introduction to Transportation Careers	1
ABCT1145	Vehicle Disassembly/Reassembly	2
ABCT1155	Refinishing 1	2
ABCT1355	Refinishing 3	2
Semester total		11
Total Required Credits		24