



**South Central College  
Program Design**

# **AAS 3415 Auto Body and Collision Technology**

## **Program Information**

**Instructional Level** Associate Degree

**Career Cluster** Engineering, Manufacturing & Technology

## **Description**

The A.A.S. Degree in Auto Body and Collision Technology provides students with the opportunity to develop technical skills and to broaden personal horizons through the requirement of 15 Liberal Arts and Sciences credits. Each student is required to have tools relative to the trade area.

## **Program Admission Dates (Fall and/or Spring)**

Fall Semester

## **Program Location (North Mankato and/or Faribault)**

North Mankato

## **Program Student Learning Outcomes**

- 1 Practice and demonstrate safety and environmental awareness.
- 2 Perform non-structural (sheet metal) repair and damage analysis.
- 3 Perform structural repair (frame and unibody) and damage analysis.
- 4 Perform refinishing operations.
- 5 Perform auto body welding.
- 6 Perform auto collision related mechanical and electrical repairs.
- 7 Create and understand estimates, repair orders and shop management practices.
- 8 Demonstrate professionalism.

## **Program Configurations**

### **Fall Start**

### **Credits**

Technical Course	57
Liberal Arts & Sciences	15

**Semester 1, Fall**

Course #	Course Title	Credits	Function
ABCT 1801	Auto Body Lab 1	4	Technical Course
ABCT 1805	Auto Body Collision Technology Fundamentals	2	Technical Course
ABCT 1810	Sheet Metal I	3	Technical Course
ABCT 1820	Priming and Refinish System Preparation	3	Technical Course
ABCT 1860	Auto Body Welding	3	Technical Course

**Semester 2, Spring**

Course #	Course Title	Credits	Function
ABCT 1802	Auto Body Lab II	4	Technical Course
ABCT 1820	Priming and Refinish System Preparation	3	Technical Course
ABCT 1850	Trim, Hardware And Glass	3	Technical Course
ABCT 1870	Refinishing	3	Technical Course
ABCT 1880	Sheet Metal II	3	Technical Course
LAS Credit	LAS Credits from 3 of 10 MnTC Goal Areas	3	Liberal Arts & Sciences

**Semester 3, Fall**

Course #	Course Title	Credits	Function
ABCT 1840	Auto Collision Mechanical I	3	Technical Course
ABCT 2803	Auto Body Lab III	4	Technical Course
ABCT 2810	Appearance Matching	3	Technical Course
ABCT 2820	Composites	2	Technical Course
ABCT 2830	Measuring And Pulling Systems	3	Technical Course
LAS Credits	LAS Credits from 3 of 10 MnTC Goal Areas	4	Liberal Arts & Sciences

**Semester 4, Spring**

Course #	Course Title	Credits	Function
ABCT 2804	Auto Body Lab IV	4	Technical Course
ABCT 2850	Structural Repair	3	Technical Course
ABCT 2870	Auto Collision Mechanical II	3	Technical Course
LAS Credits	LAS Credits from 3 of 10 MnTC Goal Areas	4	Liberal Arts & Sciences
LAS Credits	LAS Credits from 3 of 10 MnTC Goal Areas	4	Liberal Arts &

			Sciences
	<b>Technical Elective Credit (1 credit - see Advisor) Choose from:</b>	1	Technical Course
ABCT 2805	<b>Auto Body &amp; Collision Air Conditioning</b>		Technical Course
ABCT 2910	<b>Occupational Internship</b>		Technical Course
ABCT 2920	<b>Special Problems</b>		Technical Course

### Program Course List

Number	Title	Credits	Pre/Corequisites
ABCT 1801	Auto Body Lab 1	4	None
ABCT 1802	Auto Body Lab II	4	None
ABCT 1805	Auto Body Collision Technology Fundamentals	2	None
ABCT 1810	Sheet Metal I	3	None
ABCT 1820	Priming and Refinish System Preparation	3	None
ABCT 1840	Auto Collision Mechanical I	3	None
ABCT 1850	Trim, Hardware And Glass	3	None
ABCT 1860	Auto Body Welding	3	None
ABCT 1870	Refinishing	3	None
ABCT 1880	Sheet Metal II	3	None
ABCT 2800	Damage Appraisal and Shop Management		None
ABCT 2803	Auto Body Lab III	4	None
ABCT 2804	Auto Body Lab IV	4	None
ABCT 2805	Auto Body and Collision Air Conditioning	2	None
ABCT 2810	Appearance Matching	3	None
ABCT 2820	Composites	2	None
ABCT 2830	Measuring And Pulling Systems	3	None
ABCT 2850	Structural Repair	3	None
ABCT 2870	Auto Collision Mechanical II	3	None
ABCT 2900	Auto Body Lab	4	None
ABCT 2910	Occupational Internship	9	None
ABCT 2920	Special Problems	1	None