



**South Central College
Program Design**

DIP 3414 Auto Body and Collision Technology

Program Information

Instructional Level Technical Diploma

Career Cluster Engineering, Manufacturing & Technology

Description

The Auto Body and Collision Technology diploma is designed to meet the needs of students who wish to concentrate on technical skills and 6 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	58
Liberal Arts & Sciences	6

Semester 1, Fall

Course #	Course Title	Credits	Function
ABCT 1805	Auto Body Collision Technology Fundamentals	2	Technical Course
ABCT 1801	Auto Body Lab 1	4	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 1850	Trim, Hardware And Glass	3	Technical Course
ABCT 1820	Priming and Refinish System Preparation	3	Technical Course
ABCT 1870	Refinishing	3	Technical Course
ABCT 1880	Sheet Metal II	3	Technical Course
LAS Credit	LAS Credits from 2 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 2830	Measuring And Pulling Systems	3	Technical Course
ABCT 2820	Composites	2	Technical Course

Semester 4, Spring

Course #	Course Title	Credits	Function
ABCT 2804	Auto Body Lab IV	4	Technical Course
ABCT 2805	Auto Body and Collision Air Conditioning	2	Technical Course
ABCT 2850	Structural Repair	3	Technical Course
ABCT 2870	Auto Collision Mechanical II	3	Technical Course
LAS Credit	LAS Credits from 2 of 10 MnTC Goal Areas	3	Liberal Arts & Sciences

Suggest Elective Courses (Beneficial - not required to graduate)

Course #	Course Title	Credits	Function
ABCT 2900	Auto Body Lab (1-4 credits)		Technical Course
ABCT 2910	Occupational Internship (1-9 credits)		Technical Course
ABCT 2920	Special Problems (1-6 credits)		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