

# AUTOMOTIVE COLLISION TECHNOLOGY

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## Overview

**Degrees Offered:** AAS, Diploma, Program Certificate

**Limited Enrollment:** Yes

**Program Begins:** Fall

**Delivery Method:** On Campus

**Phone:** 701-224-2429

**Email:** bsc.cet@bismarckstate.edu

## Description

The Automotive Collision Technology program provides training in all eight instructional areas certified by the National Automotive Technicians Education Foundation, an evaluation board of Automotive Service Excellence (ASE). Certification is based on compliance with standards developed by the automotive industry. All BSC instructors have achieved Master ASE certification expertise. Automotive Collision Technology is a limited enrollment, 11-month program that prepares graduates for entry-level jobs. A class of 18 students begins in the Fall. Students are trained in metal finishing, frame straightening, welding, painting and glass replacement using modern, specialized equipment (eclipse frame measuring system) in a spacious, well-lit, air-filtered shop. Besides shop work, students spend part of each day studying basic theories, materials and shop management. Classes meet 7 a.m. to 2 p.m. weekdays.

## Preparation

Technicians need good reading and basic mathematics and computer skills for studying technical manuals. Knowledge of automobile parts manuals and equipment is also necessary. High school courses in math and welding are helpful.

Awareness of these technical standards may help students determine suitability for this career.

- Must have the ability to perform close accurate work, communicate effectively with others, present information in a clear, concise manner and follow verbal and written instructions.
- Requires good finger dexterity, good color vision and hearing, and ability to speak.
- Requires continuous walking, frequent standing, bending, stooping, climbing stairs and ladders, kneeling, lifting and carrying up to 50 pounds.
- Reaching above and below shoulder level, and occasional sitting, crawling, lifting 50 pounds from knee to shoulder high, pushing and pulling up to 25 pounds.
- Requires continuous use of tools and occasional use of foot controls.
- Continuous use of respirators or fresh air systems is required.
- Continuously exposed to noise, frequently exposed to dirt, dust, fumes, chemicals, and extreme heat and cold, and occasionally exposed to vibration, poor ventilation, and confined areas.

## Requirements

Students who complete the curriculum requirements earn a Program Certificate. Additional coursework may lead to a Diploma or Associate in Applied Science degree.

## Special Costs

Students must have a specified tool set and toolbox, two pair of purchased coveralls, books, padlock, and sturdy leather shoes.

## Career Opportunities

There are countless opportunities in the automotive collision technology industry. Employment is available throughout the country with good wages and high demand for well-trained technicians. Career Possibilities: Automotive Collision Technician, Insurance Adjuster, Paint Representative, Automotive Supply Salesman, Glass Installer, Frame Technician, and Body Shop Owner.

## Degree Plans

- Automotive Collision Technology Associate in Applied Science
- Automotive Collision Technology Diploma
- Automotive Collision Technology Program Certificate

## Program Learning Outcomes

Upon graduation, Automotive Collision Technology students will be able to:

- Demonstrate technical knowledge in non-structural analysis and damage repair.
- Demonstrate technical knowledge in structural analysis and damage repair.
- Demonstrate technical knowledge in mechanical and electrical components.
- Demonstrate technical knowledge in plastic and adhesive applications.
- Demonstrate technical knowledge in automotive painting.
- Develop the personal characteristics for entry level employment.
- Develop the job seeking techniques for entry level employment.