

2022-23 ACADEMIC PROGRAMS

CUSTOM AUTO BODY FABRICATION AND CHASSIS DESIGN (CVABFC)

Advanced Certificate

The Custom Auto Body Fabrication and Chassis Design certificate focuses on advanced body and paint techniques used to customize automobiles and turn them into "rolling showpieces". Working in teams, you will build, complete and show a project vehicle.

Skills you will acquire are:

- chassis design
- metal fabrication
- custom painting – tri-state paint jobs, candies, pearls
- MIG and TIG welding
- Light weighting and composite materials
- working with the latest in automotive aftermarket parts

This is a **high demand** and **high skill** program as defined by the [Michigan Community College Network](#).

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Description

The Custom Auto Body Fabrication and Chassis Design certificate focuses on advanced body and paint techniques used to customize automobiles and turn them into "rolling showpieces." Students will expand on knowledge acquired in the Auto Body Repair program. Working in teams, students will build, complete and show a project vehicle. Students will learn advanced sheet metal fabrication and construction of a custom automobile chassis. Areas of study will include various types of building materials and their uses, measurement, pattern development, mechanical drawing, fastener selection, MIG and TIG welding and frame design and suspension types. Other topics such as candies, pearls, tri-stage paint jobs and the application of custom graphics will be discussed. Upon acquiring this advanced certificate, employment possibilities may include specialty shop technician, custom paint technician and metal fabricator/welder.

Course Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CCC 210	Custom Auto Body Technician I	4
CCC 215	Custom Fabrication and Chassis Design I	4
CCC 250	Custom Auto Body Technician II	4
CCC 255	Custom Fabrication and Chassis Design II	4
Total		16

Total Credits Required: 16

Accurate as of 07/01/2022. Information is subject to change without notice.