2023-24 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.

Do you have another career in mind? Search for careers

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

<table>
<thead>
<tr>
<th>Class</th>
<th>Title</th>
<th>Minimum Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 210</td>
<td>Custom Auto Body Technician I</td>
<td>4</td>
</tr>
<tr>
<td>CCC 215</td>
<td>Custom Fabrication and Chassis Design I</td>
<td>4</td>
</tr>
<tr>
<td>CCC 250</td>
<td>Custom Auto Body Technician II</td>
<td>4</td>
</tr>
<tr>
<td>CCC 255</td>
<td>Custom Fabrication and Chassis Design II</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>16</td>
</tr>
</tbody>
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Total Credits Required: 16

Accurate as of 10/27/2023 Information is subject to change without notice.