

# AUTOMOTIVE FABRICATION CERTIFICATE

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Division: Career Technical Education

PROGRAM CODE: 2C40679

The **Automotive Fabrication Certificate** is designed to provide the student with entry level skills needed to gain employment in the automotive custom and fabrication area. Students will learn techniques of design, manufacturing, fabrication, and repair of automotive related components. A student can seek employment in new car dealerships, specialty repair shops, custom repair or fabrication shops, automotive restoration shops, and franchise automotive repair facilities. This certificate requires a total of 34.5 units. A grade of C or better is required in each course taken.

Code	Title	Units
<b>Required courses (34.5 units):</b>		
AUTO 100 F	Automotive Fundamentals (formerly AUTO 131 F)	4.5
AUTO 140 F	Automotive Suspension and Wheel Alignment (formerly AUTO 083 F)	8
AUTO 150 F	Automotive Brake Systems (formerly AUTO 073 F)	7
AUTO 160 F	Automotive Electrical and Electronic Systems (formerly AUTO 065 F)	5
DRAF 171 F	Fundamentals of Drafting	2
MACH 116 F	Machine Tools	2
WELD 100 F	Introduction to Welding (formerly WELD 121AF)	3
WELD 120 F	Gas Shielded Arc Welding	3
<b>Total Units</b>		<b>34.5</b>

## Program Level Student Learning Outcomes

**OUTCOME 1:** Identify and practice safe work habits when using tools and equipment in an automotive repair shop.

**OUTCOME 2:** Plan, design, and fabricate various components related to the automotive industry

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