

Program Planning Guide
Automotive Restoration Technology Certificate, C60140

Program Length: 2

Career Pathway Options: Automotive Restoration Technology Diploma

Program Site/s:

Suggested Course Schedule:		Hours				Notes:
		Class	Lab	Clinical	Credit	
1st Semester (Fall)						
TRN 110	Intro to Transport Tech	1	2	0	2	
TRN 120	Basic Transp Electricity	4	3	0	5	
		5	5	0	7	
2nd Semester (Spring)						
AUB 111	Painting & Refinishing I	2	6	0	4	
AUB 112	Painting & Refinishing II	2	6	0	4	
		4	12	0	8	

Total Semester Hours Required to Graduate: 15

Course Descriptions:

AUB 111 Painting & Refinishing I **2-6-0-4**

This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. Topics include federal, state, and local regulations, personal safety, refinishing equipment and materials, surface preparation, masking, application techniques, and other related topics. Upon completion, students should be able to identify and use proper equipment and materials in refinishing following accepted industry standards.

AUB 112 Painting & Refinishing II **2-6-0-4**

Prerequisite: Take AUB 111

This course covers advanced painting techniques and technologies with an emphasis on identifying problems encountered by the refinishing technician. Topics include materials application, color matching, correction of refinishing problems, and other related topics. Upon completion, students should be able to perform spot, panel, and overall refinishing repairs and identify and correct refinish problems.

TRN 110 Intro to Transport Tech **1-2-0-2**

This course covers workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology. Topics include familiarization with major vehicle systems, proper use of various hand and power tools, material safety data sheets, and personal protective equipment. Upon completion, students should be able to demonstrate appropriate safety procedures, identify and use basic shop tools, and describe government regulations regarding transportation repair facilities.

TRN 120 Basic Transp Electricity **4-3-0-5**

This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns.