

## CURRICULUM MAP OF THE AUTOMOTIVE COLLISION REPAIR TECHNOLOGY PROGRAM EDUCATIONAL GOALS

The Automotive Collision Repair Technology student will be able to:	ACRT 111	ACRT 112	ACRT 113	ACRT 114	ACRT 115	ACRT 121	ACRT 123	ACRT 124	ACRT 125	ACRT 126	ACRT 131	ACRT 132	ACRT 133	ACRT 134	ACRT 141	ACRT 142	ACRT 143	ACRT 144	ACRT 201	ACRT 122
Identify and interpret procedures for assessing and measuring vehicular collision damage to plan a repair sequence.						I	E												R	
Select and properly use metal shrinking and straightening principles and demonstrate respective techniques to manufacturers' specifications.		I					R												R	
Interpret Low-voc regulations and the principles of refinishing technology including vehicle preparation and the painting environment.											I	E	R	R					R	
Choose proper protective equipment and clothing as required by EPA and OSHA with respect to refinish work and materials; welding and/or cutting procedures.											I	R	R	R					R	I
Select and properly demonstrate how to safely use shop equipment associated with body preparation and filler application.	I	E	R	R	R														R	
Demonstrate the proper setup and adjustment of a MIG welder and how to prevent vehicle damage when welding or cutting.							E	E	R	R									R	I
Diagnose and service adjustable suspension, rear suspension, strut type suspension, and short/long arm suspension systems.															I	E			R	
Identify and describe the principles of various steering systems; i.e. power steering, parallelogram steering, rack and pinion steering.															I	E			R	
Demonstrate removal and replacement of both structural and body parts.				I				E	R	R									R	
Determine and describe tire construction, tire wear conditions and causes, and proper procedures for wheel alignments and diagnosing problems in respect to braking systems.															I	E			R	
Diagnose problems with air conditioning systems and drive trains and apply the required procedures to safely inspect, remove, replace, repair, and/or adjust defective components and/or systems.																	I	E	R	

Submitted by: Claude Heimburger

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Status: Approved