

## Scope and Sequence Auto Body Repair

Academic Subjects – Career success and postsecondary education success require the same level of college prep coursework. The Pennsylvania Department of Education’s (PDE) focus is to ensure that every student is prepared for college and a career. Academic courses such as applied math or general science cannot be listed on the program’s scope and sequence. PDE’s goal is to have all students perform at the competent or advanced level on the PSSA, and earn the Pennsylvania Skills Certificate on the end-of- program assessment.

	SECONDARY				POSTSECONDARY based on PENN COLLEGE OF TECHNOLOGY			
	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade	Semester One	Semester Two	Semester Three	Semester Four
<b>Technical Units</b>		Fundamentals of the Automotive Field-Safety  Tools and Equipment  Frames Inspection, Measurement and Repair  Fixed Glass Procedures Skills  Basic Surface Preparation  Plastics and Adhesives  Measuring and Mixing  Write a damage report	Metal finishing and body filling  Welding, and Cutting  Paint mixing, matching, and applying  Paint defects  Spray Gun operations  Detailing and Inspection  Outer body panel repairs, and adjustments  Restraint Systems	Suspension and Steering  Electrical Systems  Brake Systems  Heating and Air-conditioning  Cooling Systems  Fuel, intake and exhaust systems  Job seeking/keeping  Estimating	WEL 105: Collision Repair Welding  ABC 100: Introduction to Non-Structural Collision  ABC 101: Introduction to Non-Structural Collision R  ABC 110: Collision Estimating	ABC 120: Intro to Repair Procedures  ABC 125: Basic Refinishing  ABC 126: Basic Refinishing Laboratory	ABC 119: Electrical/Electronic and Air Conditioning  ABC 124: Chassis Alignment, Steering and Suspension  ABC 207: Structural Repair Procedures  ABC 208: Structural Repair Procedures Laboratory	ABC 226: Advanced Refinishing  ABC 227: Advanced Refinishing Laboratory  ABC 206: Collision Related Mechanics  ABC 334: Collision Repair Operations
<b>English</b>	College Prep English I	College Prep English II	College Prep English III	College Prep English IV		ENL 111: English Comp I	ENL 121: English Comp II  ENL 201: Technical &	

							Professional Communication	
<b>Math</b>	Algebra I	Algebra II	Geometry	College Prep Math (recommended)	MTH 124: Technical Algebra & Trig I  MTH 180: College Algebra and Trig			
<b>Science</b>	Biology	Chemistry	Physics					SCI: Science Elective
<b>Humanities</b>	Civics	American History	World Studies					_HUM: Elective: HUM/SSE/ART/FOR/AE
<b>Other Required Courses/ Electives</b>	Foreign Language I (recommended)	Foreign Language II (recommended)				FIT: Elective: Fitness	MGT 249: Small Business Management	