

COLLISION REPAIR TECHNOLOGY

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COURSE OBJECTIVE

Students will obtain the education and skills for employment in collision repair. Current technology and Automotive Service Excellence (A.S.E.) standards and I-Car curriculum are implemented in this demanding trade.

COURSE DESCRIPTION

Through theory and related hands-on classroom instruction, students in this program will learn the latest techniques in five major topics. Instruction utilizes the I-Car curriculum, and numerous techniques and technologies are used to keep abreast of current industry trends and standards. PPG Envirobase systems are used throughout with an emphasis on waterborne systems.

COURSE TOPICS

Mechanical and Electrical Components | Non-Structural Analysis and Damage Repair
Painting and Refinishing | Plastics and Adhesives | S/P 2 Safety & Pollution Prevention Training
Structural Analysis and Damage Repair

REQUIRED SUPPLIES

Leather Work Boots (Steel-Toed Preferred) | Notebook | Safety Glasses
Shop Shirt (Gray Button-Down) | Workwear Pants (Black)

TEXTBOOK

Collision Repair & Refinishing—A Foundation Course for Technicians; Alfred Thomas: Michael Lund; 2009

COOPERATING COMPANIES

Bobby Rahal Automotive Group	Green's Collision	PPG Envirobase
Budd Baer, Inc.	Grillo's Automotive	Sun Chevrolet
Custom Auto & Performance	Hamlin's Auto Body	Wagner's Auto Body & Collision
Fyda Freightliner	Nadalin Auto Body	Washington Chevrolet

SPECIALIZED SHOP EQUIPMENT

Chief EZ Liner S21M with Chief Velocity Computerized Laser Measuring System
Devilbiss System 2000 Downdraft Heated Bake Spray Booth with Waterborne Drying System
PPG Envirobase system with Waterborne Base Coats and Primers
ProSpot i5 Smart Welder | SATA Fresh Air Respirators with SATA Spray Guns and Equipment

CERTIFICATIONS

I-CAR: Several Subject Areas

National Automotive Technicians Education Foundation: ASE Certification

National Institute for Automotive Service Excellence: Section 609 Certification for Refrigerant Recycling and Recovery

S/P2: Automotive

S/P2: Collision Repair & Refinish Safety

S/P2: Safety & Pollution Prevention

ARTICULATION AGREEMENTS

Pennsylvania College of Technology–Automotive Technology Program/Automotive Service Technician
Rosedale Technical College

POST-SECONDARY TRAINING OPTIONS

Baran Institute of Technology

Ohio Technical College

Pennsylvania State University

Rosedale Technical Institute

POTENTIAL CAREERS

Collision Technician | Detailer | Frame Straightener | Gas and MIG Welder | Insurance Adjuster
Owner-Operator | Paint Representative | Parts Supplier | Refinisher/Painter | Windshield Glass Installer

WAGES AND EMPLOYMENT TRENDS FOR AUTOMOTIVE BODY REPAIRERS

Median Wages (2020)	\$21.24 Hourly, \$44,190 Annually
Number of Jobs (2019)	179,700 Employees
Job Outlook (2019-2029)	2% (Slower Than Average)
Employment Change (2019-2029)	4,300

Source: *Occupational Outlook Handbook*

Entry-Level Technician Task Expectations (U.S. Bureau of Labor Statistics)

