



# Collision Repair

2 YEAR PROGRAM

HARKNESS

## PRE-APPRENTICE PARTNERSHIP

- WNY needs more qualified collision repair technicians!
- Collision Repair students will participate in a 4-week job shadowing experience at a partnering location during their Junior and Senior years.
- Paid internships are available throughout the summer.
- Upon graduation, students are guaranteed a job interview for applicable openings.
- Apprenticeship opportunities are available to successful graduates.

## COLLEGE CREDIT CONNECTIONS

- Alfred State College
- Lincoln Technical Institute
- Morrisville State College
- Ohio Technical College
- SUNY Erie
- Universal Technical Institute

## SPECIAL NOTES

- This program aligns with iCar curriculum and standards. Students will work towards iCar industry certifications in "Non-Structural Technician" and "Refinish Technician."
- Students are responsible for purchasing work pants, coveralls, and work boots.

## PROGRAM ELIGIBILITY

- Technical Endorsement
- 3.75 Credits per Year
- Pathways to Graduation (CTE and CDOS)

## Career Paths

### PROFESSIONAL CAREERS

Shop Owner / Manager  
Teacher

### TECHNICAL CAREERS

"A" or "B" Level Technician  
Estimator  
Frame Repair Technician  
Painter

### ENTRY LEVEL CAREERS

"C" Level Technician  
Detailer  
Tear Down / Dismantler  
Vehicle Preparation

### AUTO TECHNOLOGY CORE

- Orientation
- Introduction to Technology
- Introduction to Hardware
- Safety
- Hand Tools
- Power Tools
- Lifts and Jacks
- Lubrication
- Introduction to Cooling Systems
- Introduction to Detailing
- Welding and Cutting
- Introduction to Electrical Systems
- Leadership
- Wheels and Tires

### NON-STRUCTURAL REPAIR

- Damage Repair
- Sheet Metal Repair and Roughout
- Plastic Body Filler
- Panel Replacement
- Bumpers and Plastic Repair
- Corrosion Protection

### METAL INERT GAS WELDING (MIG)

- Introduction to Mig Welding
- Mig Welding Equipment and Techniques
- Constructing Mig Welds
- Welding Aluminum
- Resistance Spot Welding

### PAINTING AND REFINISHING

- Introduction to Painting and Refinishing
- Equipment and Safety
- Spraying Techniques
- Surface Preparation and Undercoats

### DETAILING

- Tools and Equipment
- Safety
- Detailing Before Collision Repair
- Detailing After Collision Repair
- Independent Detailer
- Auto Dealership Detailer
- Internships

### STRUCTURAL REPAIR

- Structural Analysis / Damage Repair
- Damage Identification and Estimating
- Measure System and Damage Analysis
- Frame Repair Techniques and Equipment
- Sectioning and Replacement of Structural Parts

### ADVANCED PAINTING AND REFINISHING

- Equipment and Safety
- Spraying Techniques
- Surface Preparation and Undercoats
- Introduction to Top Coats
- Introduction to Base Coats and Clear Coats

### SPECIALTY PAINTING

- Top Coats
- Tri-coats and Refinishing
- Typical Paint Problems
- Custom Paint
- Airbrushing

**NOW OFFERING A  
PRE-APPRENTICE EXPERIENCE!**

✓ Job Shadowing

✓ Paid Summer Internships

✓ Guaranteed Job Interviews

