The demand for collision repair professionals exceeds the number of experienced technicians, making auto body repair one of the service industry’s fastest growing sectors. This course offers students practical hands-on experience in auto body repair, including priming, patching and painting techniques. Cooperative work study, internships, industry-sponsored contests and post-secondary opportunities are some of the reasons to explore a career in auto body repair and refinishing. So polish up your skills now... it’s your chance to shine!
COURSE TITLE: **AUTO BODY REPAIR AND REFINISHING**

**COURSE DESCRIPTION**
Students will dismantle damaged automobile components, straighten metal parts and automotive frames, hammer out dents, use body filler, grind, sand, and prepare the car for the paint. In addition, students will learn skills in paint selection. Paint mixing and spray painting will be covered. Students will also learn how to select materials according to the latest EPA guidelines, as well as proper repair techniques currently being used in the industry. Students will be introduced to career and financial management topics. Selected students may be involved in a work experience program at an industry site.

**COURSE CONTENT**
- Shop Safety
- Basic Automotive Construction
- Metal Working Fundamentals
- MIG Welding
- Body Fillers
- Sanding/Grinding
- Masking
- Painting
- Electric/Hydraulic/Pneumatic Tool Usage
- Frame Straightening
- Fiberglass Repair
- Stereo Installation
- Headlight/Tail Light Restoration
- Fasteners
- Interior Trim/Upholstery
- Glass Removal/Installation
- Panel Replacement
- Fixed Panel Replacement
- Compound/Wax
- Mobile Electronics
- Estimating
- Airbag Safety
- Powder Coating
- Hand Tool Usage
- Detailing
- Metal Bumping

**CAREER OPPORTUNITIES**
- Auto Body Technician
- Assistant Estimator
- Assembly/Disassembly Technician
- Refinisher
- Plastic Person
- Material/Supply Person
- Painter’s Helper
- Automotive Detailer
- Auto Parts Person
- Metal Fabricator
- Frame Technician
- New Car Preparation Person

**LOCATION**
Islip Career Center

**RECOMMENDED ACADEMIC CREDIT**
½ credit for Math per year

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**Quote from program graduate –**
"Exciting and best hands-on experience."

**Transportation, Distribution and Logistics/SCE**
- Auto Body Repair and Refinishing (ICC)
- Auto Front End and Brakes (ICC)
- Modern Automotive Technology (ICC)
- Vehicle Maintenance and Light Repair (ICC)
- Transportation Service (WTC)