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!

It pays to keep up appearances.
COURSE TITLE: AUTO BODY REPAIR AND REFINISHING

COURSE DESCRIPTION
Students will dismantle damaged automobile components, straighten metal parts and car frames, hammer out dents, use filler compounds, grind, sand and prepare the car for the paint shop. In addition, skills in selection of paints, paint mixing and spray painting will be covered. Students will also learn how to select and mix paint according to the latest EPA guidelines as well as the proper techniques in spray painting. 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
- Fasteners
- Basic Automotive Construction
- Trim/Upholstery
- Metal Working Fundamentals
- Glass Removal
- Oxyacetylene Welding/Brazing
- Panel Replacement
- Arc and Spot Welding
- Metal Patchwork
- Plastic Welding/Repair
- Compound/Wax
- MIG and TIG Welding
- Doll-Up for Delivery
- Body Fillers
- Computerized Estimating
- Sanding/Grinding
- Priming/Putty
- Feather Edging
- Repair and Replace Bolt on Sheet Metal
- Masking
- Fiberglass Repairs
- Painting
- Hand Tool Usage
- Electric/Air Hydraulic Tool Usage
- Cutting Tools

CAREER OPPORTUNITIES
- Auto Body Helper
- Piece Worker
- Painter’s Helper
- Heavy Collision Person
- Plastic Person
- Body Person
- Metal Person
- Refinisher
- Assembler
- Parts Counter Person
- Combination Person
- Auto Detailer

LOCATION
Islip Career Center

RELATED COURSES (Special Career Education)
- Auto Engine Overhaul
- Auto Front End and Brakes
- Auto Service

RELATED COURSES AT THE TECHNICAL CENTERS (Secondary Career Education)
- Auto Body Repair and After-Market Accessories
- Automotive Technology

RECOMMENDED ACADEMIC CREDIT
½ credit for Math per year