

PROGRAM: **Automotive Collision Repair**

**PROGRAM
CIP CODE:** **47.0600.30**

DESCRIPTION: The **Automotive Collision Repair** program is designed to prepare individuals for jobs as technicians in the automotive fields. The program is comprised of a core curriculum and Automotive Collision Repair I and II. The occupational standards for each are aligned with National Automotive Technicians Education Foundation (NATEF) and Automotive Service Excellence (ASE) standards. The program is designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, experiential learning, work-based learning and leadership and personal development through the Career and Technical Student Organization, SkillsUSA. This program leads towards an ASE Student certification in Collision Repair and Refinishing.

RECOMMENDED PROGRAM SEQUENCE OF COURSES:

**Career
Preparation** The following describes the recommended courses developed from industry-validated skills necessary for initial employment or continued related education.

47.0600.10 **Transportation Technologies Core Curriculum:**
This program prepares the student to apply technical knowledge and skills in the safety, adjustment, maintenance, part replacement and use of tools, equipment and machines. The course includes developing career plans, preparing for employment, demonstrating oral and written communication skills, understanding financial operations of small businesses, identifying characteristics of successful leaders in the work place and participation in leadership development activities. (.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 47.0600 program, i.e. Automotive Technologies, Aircraft Mechanics, and/or Diesel Engine Repair.)

or

47.0600.12 **Transportation Technologies Core Curriculum:**
This program prepares the student to apply technical knowledge and skills in the safety, adjustment, maintenance, part replacement and use of tools, equipment and machines. The course includes developing career plans, preparing for employment, demonstrating oral and written communication skills, understanding financial operations of small businesses, identifying characteristics of successful leaders in the work place and participation in leadership development activities. (.12 CIP Code is used for the core curriculum course if the course is the core curriculum course for 47.0600.30 Automotive Collision Repair only.)

-and-

47.0600.30 **Automotive Collision Repair I:** This course prepares individuals to apply basic technical knowledge and skills in seven standards areas:

- 1) safety and maintenance;
- 2) damage analysis and preparing repair cost estimates;
- 3) disassemble and assemble parts,
- 4) non-structural repair;
- 5) metal, plastic and fiberglass repairs;
- 6) prepare and finish surfaces; and
- 7) paint and refinishing techniques

and participation in leadership development activities.

-and-

47.0600.35 **Automotive Collision Repair II:** This course prepares the individual to apply higher levels of technical knowledge and skills to repair, reconstruct and finish automobile and light truck bodies, fenders and external features. Includes instruction in seven competency areas:

- 1) safety and maintenance;
- 2) damage analysis and damage reports;
- 3) disassemble and assemble parts;
- 4) non-structural repairs;
- 5) structural and mechanical analysis;
- 6) metal, plastic and fiberglass repairs;
- 7) prepare and finish surfaces; and
- 8) paint and refinishing techniques

and participation in leadership development activities.

And program may elect to add:

47.0600.75 **Transportation Technologies - Internship:** This course provides CTE students an opportunity to engage in learning through participation in a structured work experience that can either be paid or unpaid and does not necessarily require classroom instruction that involves the application of previously developed Transportation Technologies knowledge and skills.

-or-

47.0600.80 **Transportation Technologies - Cooperative Education:** This course utilizes cooperative education methodology to combine school-based and supervised work-based learning experiences related to the standards identified for the Transportation Technologies program.

**TEACHER CERTIFICATION REQUIREMENTS FOR THE
AUTOMOTIVE COLLISION REPAIR PROGRAM**

CAREER PREPARATION: The instructor must be CTE certified according to the following table

Automotive Collision Repair	CERTIFICATES
	Types: PCTI, PCTIEP, SCTI, SCTIEP
Note:	
<ul style="list-style-type: none"> ▪ Transportation Technologies, 47.0600.70 may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN). ▪ Teacher/Coordinator 47.0600.75 is not required to have a Cooperative Education Endorsement (CEN). ▪ Teacher/Coordinator 47.0600.80 is required to have a Cooperative Education Endorsement (CEN). 	

**CERTIFICATE ABBREVIATIONS FOR THE
AUTOMOTIVE COLLISION REPAIR PROGRAM**

Certificate Types	
PCTI	Provisional Career and Technical Education Industrial Technology
PCTIEP	Provisional Career and Technical Education Industrial and Emerging Technologies
SCTI	Standard Career and Technical Education Industrial Technology
SCTIEP	Standard Career and Technical Education Industrial and Emerging Technologies