

## Program Number 31-405-1 Technical Diploma • Two Terms

### ABOUT THE PROGRAM

This program provides students with the necessary skills for job entry into the metal finishing and painting areas of the auto body and light truck trade. Courses cover welding, panel replacement, metal forming, sheet metal alignment and finishing.

### PROGRAM OUTCOMES

- Straighten collision damaged sheet metal.
- Refinish automobile body parts.
- Replace non-structural panels and parts.
- Perform auto collision welding procedures.

### ADMISSIONS STEPS

- Work with Admissions Specialist to:
  - Submit application and \$30 fee.
  - Complete an assessment for placement (Accuplacer or ACT).
  - Submit official transcripts (high school and other colleges).
  - Complete the OSHA Medical Evaluation questionnaire.
- Meet with program advisor/counselor to discuss program details.

### APPROXIMATE COSTS

- \$132 per credit (resident)
- \$198 per credit (out-of-state resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.) Visit [gotoltc.edu/financial-aid/tuition-and-fees](http://gotoltc.edu/financial-aid/tuition-and-fees) for details.

### PLACEMENT SCORES

Accuplacer/ACT scores will be used to develop your educational plan. Contact your program advisor/counselor for details.

### SPECIAL NOTE

- The program is certified by NATEF (National Automotive Technicians Education Foundation). Students are eligible for I-CAR Welding Certification Testing. Students are well prepared to take the ASE (Automotive Service Excellence) Exam.
- Students are required to purchase Snap-On tools. Tool cost averages \$3,200 as you progress through the program.

### CAREER & EDUCATION ADVANCEMENT OPPORTUNITIES

LTC credits transfer to over 30 universities. For more information visit [gotoltc.edu/future-students/transfer](http://gotoltc.edu/future-students/transfer).

### CONTACT

Chou Yang, Admissions Specialist  
920.693.1851 • [chou.yang@gotoltc.edu](mailto:chou.yang@gotoltc.edu)

Catalog No.	Class Title	Credit(s)
<b>Term 1</b>		
31405304	Auto Collision Electrical Mechanical	3
31405320	Auto Collision Orientation and Safety	1
31405322	Auto Collision Panel Repair	3
31405324	Auto Collision Plastic and Composite Panel Repair	2
31405342	Auto Refinishing Masking/Preparation	2
31801359	Communication Skills for the Workplace	2
		<b>13</b>
<b>Term 2</b>		
31405340	Auto Refinishing Orientation/Safety	1
31405346	Auto Refinishing Color Matching/Blending	4
31405348	Auto Refinishing Water Borne Systems	3
31405326	Auto Collision Panel Replacement and Alignment	3
31405344	Auto Refinishing Multiple Panel	3
31405328	Auto Collision Structural Analysis	3
31405332	Auto Collision Wire Welding	2
31809363	Challenging Issues	1
		<b>20</b>
		<b>TOTAL 33</b>

Please note that Spring semester classes end mid-June.

*Curriculum and Program Acceptance requirements are subject to change. Program start dates vary; check with your advisor/counselor for details.*



**AUTO COLLISION ELECTRICAL MECHANICAL**...prepares the learner to troubleshoot auto collision electrical circuits; examine basic electrical circuits; interpret electrical circuit diagrams; service an automotive battery, lighting system, and passive restraint systems; and perform soldering and splicing of electrical components. Students will learn how to diagnose and service air conditioning systems and become EPA certified. This course is designed to save time and effort in auto collision repair. COREQUISITE: 31405324 Auto Collision Plastic Composite Panel Repair

**AUTO COLLISION ORIENTATION AND SAFETY**...introduces the learner to the auto collision course procedures, practices, and grading policy and develops safe work habits and attitudes. Many of the hand and power tools are identified. CONDITION: 324051 Auto Collision Repair & Refinish Technician or 314051 Auto Collision Repair Admission Requirements Met

**AUTO COLLISION PANEL REPAIR**...provides the learner with hands-on activities to gain the skills necessary for metal finishing, panel straightening, application of body fillers, and use of hydraulics to straighten panels and make body panel adjustments. COREQUISITE: 31405320 Auto Collision Orientation & Safety; and CONDITION: 324051 Auto Collision Repair & Finish Technician or 314051 Auto Collision Repair Admission Requirements Met

**AUTO COLLISION PANEL REPLACEMENT AND ALIGNMENT**...prepares the student to apply straightening, welding, restoring, corrosion protection, alignment, and panel replacement skills. COREQUISITE: 31405346 Auto Refinishing Color Matching/Blending

**AUTO COLLISION PLASTIC AND COMPOSITE PANEL REPAIR**...prepares the learner to work on repairing damaged plastic panels using adhesives and airless welding techniques. The repair of SMC, FRP, ABS, TPO, and other popular plastics are taught. COREQUISITE: 31405342 Auto Refinishing Masking/Preparation

**AUTO COLLISION STRUCTURAL ANALYSIS**...provides the learner with knowledge and hands-on experiences in measuring and analyzing frames, body panels, and alignments using tape measures, tram and self-centering gauges, and computerized measuring system. Some structurally damaged panels may be replaced if time and vehicle damage exist. COREQUISITE: 31405332 Auto Collision Wire Welding

**AUTO COLLISION WIRE WELDING**...introduces the learner to information and skills necessary to safely operate gas metal arc welding, aluminum welding, and oxyacetylene cutting as it applies to auto collision. Upon completion, the student is prepared to take the I-CAR steel weld qualification test. COREQUISITE: 31405344 Auto Refinishing Multiple Panel

**AUTO REFINISHING COLOR MATCHING/BLENDING**...prepares the student with an understanding of color movement using the color wheel and the differences in spray gun technique as it applies to blending and how to solve paint color matching problems, finish defects, causes, and cures. COREQUISITE: 31405348 Auto Refinishing Water Borne Systems

**AUTO REFINISHING MASKING/PREPARATION**...enhances the learner's ability to understand automotive finishes and the equipment, paint area, and refinish area and to develop a thorough understanding of surface preparation as it relates to vehicle refinishing. COREQUISITE: 31405322 Auto Collision Panel Repair

**AUTO REFINISHING MULTIPLE PANEL**...provides the learner with the skills to spray complete panels and vehicles using the latest spray technology and equipment, troubleshoot paint problems, and detail the finish to a preaccident condition. COREQUISITE: 31405326 Auto Collision Panel Replacement & Alignment

**AUTO REFINISHING ORIENTATION/SAFETY**...introduces the learner to auto collision and refinishing course procedures, practices, and grading policy and develops safer work habits and attitudes. CONDITION: 324051 Auto Collision Repair & Refinish Technician or 314051 Auto Collision Repair Admission Requirements Met

**AUTO REFINISHING WATER BORNE SYSTEMS**...provides the learner with specific knowledge and skills necessary to work with water borne products. Learners will be introduced to application methods, mixing and other considerations unique to water borne refinishing systems. COREQUISITES: 31405340 Auto Refinishing Orientation/Safety and CONDITION: 324051 Auto Collision Repair & Refinish Technician or 314051 Auto Collision Repair Admission Requirements Met

**CHALLENGING ISSUES**...prepares the learner to understand the challenging occupational and social issues and problems that shape the direction of today's work world and become aware of what those contemporary issues are, how the issues impact the student, and how the student can make changes when necessary.

**COMMUNICATION SKILLS FOR THE WORKPLACE**...prepares the student to develop paper job-search tools and job-related writing skills to increase job stability; introduces the students to team-building skills to resolve organizational problems; introduces the student to the skills of effective listening; prepares the student to respond to workplace criticism and praise; and introduces the student to interpersonal relationship skills, including effective interviewing skills, customer relations, and management/employee relations.