

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.

CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

LTC credits transfer to over 30 universities. For more information visit gotoltc.edu/future-students/transfer.

PROGRAM ADMISSIONS STEPS

- Work with Career Coach to:
 - Submit application and \$30 fee.
 - Submit official transcripts (high school and other colleges).

ENROLLMENT PROCESS

- Work with program Academic Advisor to:
 - Complete the OSHA Medical Evaluation questionnaire.
 - Complete Functional Abilities Statement of Understanding form.
 - Meet to plan your first semester schedule, review your entire plan of study, and complete any additional enrollment requirements.

APPROXIMATE COSTS

- \$142 per credit (resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health related exams, etc.) Visit gotoltc.edu/financial-aid/tuition-and-fees for details.

FINANCIAL AID

This program is eligible for financial aid. Visit gotoltc.edu/Financial-Aid or talk with your Career Coach about how to apply for aid.

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.

CONTACT

LTC Career Coach
920.693.1162 • CareerCoach@gotoltc.edu

Catalog No.	Class Title	Credit(s)
Term 1		
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
		13
Term 2		
31405340	Auto Refinishing Orientation/Safety	1
31405346	Auto Refinishing Color Matching/Blending	3
31405348	Auto Refinishing Water Borne Systems	3
31405326	Auto Collision Panel Replacement and Alignment	3
31405344	Auto Refinishing Multiple Panel	3
31405332	Auto Collision Wire Welding	2
31809362	Psychology for Life	1
		16
		TOTAL 29

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 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 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. COREQUISITE: 31405348 Auto Refinishing WaterBorne 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

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.

PSYCHOLOGY FOR LIFE...prepares the learner to select behavior modification techniques, demonstrate techniques for enhancing memory, analyze expressions of emotion, use conflict for common good, employ techniques to reduce conflict/frustration, use several methods to reduce stress, interpret personality types, ascertain contributors to perception, and apply methods of problem-solving.