

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

ABOUT THE PROGRAM

Whether you own an old car in need of restoration or have the misfortune of owning a new car crumpled in an accident, having a highly skilled auto collision technician work on your car is your top priority. This program prepares learners to enter the competitive collision repair industry. The Auto Collision Repair & Refinish Technician program is for driven, highly motivated individuals who like hands-on type work and who enjoy seeing the results of their labors.

PROGRAM OUTCOMES

- Examine vehicles to determine type and extent of damage to be repaired, using 3D electronic measuring equipment.
- Replace damaged auto body parts.
- Repair tears in auto body steel and aluminum panels using GMAW welding equipment.
- Weld light gauge steel (can become I-CAR GMAW Steel Certified).
- Straighten and align unibody structural panels.
- Repair plastic vehicle parts using adhesives and airless welding equipment.
- Develop skills in the fundamentals of collision repair.
- Apply paint, including skills in applying color theory, tinting, and blending.
- Diagnose electrical circuits using a digital volt/ohm meter.
- Troubleshoot and repair automotive air conditioning systems (can become EPA and Wisconsin State certified (ATCP 136) for air conditioning).
- Complete customer work according to industry standards.
- Maintain a clean and safe working environment.
- Apply corrosion protection.
- Detail automotive finishes.

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/payingforcollege 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 average \$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/transfer.

CONTACT

Jenny Beltran, Admissions Specialist
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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
31809363	Challenging Issues	1
		12
Term 2		
31405308	Damage Appraisal/Estimating	1
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
31801359	Communication Skills for the Workplace	2
		22
		TOTAL 34

Please note that this program will 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 state and EPA certified. This course is designed to save time and effort in auto collision repair. COREQUISITE: 31405348 Auto Refinishing Water Borne Systems

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: 314051 Auto Collision Repair & Refinish Technician 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: 314051 Auto Collision Repair & Finish Technician 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: 314051 Auto Collision Repair & Refinish Technician 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: 314051 Auto Collision Repair & Refinish Technician program 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.

DAMAGE APPRAISAL/ESTIMATING...introduces the learner to various damage appraisal methods and provides the skills necessary to create computerized estimates and work orders with an emphasis on customer service. COREQUISITE: 31405328 Auto Collision Structural Analysis