

Program of Study: Collision Repair - Nonstructural Analysis and Damage Repair



This Program of Study may serve as a graduation guide for the next four plus years, along with other career planning and educational materials. Courses listed in this model may include recommended coursework and should be individualized to students' educational and career goals. Each graduation plan needs to meet minimum high school graduation requirements. Dual Enrollment courses can be high school academic and/or career technical education courses.

Secondary: Collision Repair – Nonstructural Analysis & Damage Repair					Postsecondary			
Course/Grade	Ninth	Tenth	Eleventh	Twelfth	TCC	Diploma or AAS	Bachelor of Science	
English	9 th grade Lit/ Composition	10 th grade Lit/ Composition	American Lit/ Composition	World Lit/Composition / British Lit	Entrance or Exit Point	AB51 Automotive Collision Repair Assistant I - ACRP 1000 Intro to Auto Collision Repair - ACRP 1005 Automobile Component Repair and Replacement - ACRP 1010 Foundations of Collision Repair - ACRP 1015 Fundamentals of Automotive Welding <i>ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum</i>	Entrance or Exit Point	The University System of Georgia offers students' higher education options at 30 institutions throughout the state, providing a wide range of academic programming including certificates and associate, baccalaureate, masters, doctoral and professional degrees. https://apps.usg.edu/ords/f?p=118:1:0:::~
Mathematics	Coordinate Algebra / Algebra I	Analytic Geometry / Geometry	Advanced Algebra / Algebra II	Pre-calculus				
Science	Physical Science	Biology	Chemistry	Physics				
Social Studies	Psychology	World History	US History	Government (½ unit) Economics (½ unit)				
Pathway Completer	Introduction to Collision Repair	Non Structural Analysis and Damage Repair I	Non Structural Analysis and Damage Repair II	Work-Based Learning, Youth Apprenticeship, or Capstone Project				
Industry Recognized Credential (Pathway Completer)		Visit the End of Pathway Assessment Page (see note below)						
Required/ Selective Electives	Health & Personal Fitness (can be taken in grades 9-12)	Spanish I	Introduction to Business and Technology	Business and Technology				
	Modern Language/Latin 2 units required for admissions to Georgia University System Colleges/Universities For a listing of Modern Language/Latin courses offered at your high school, please contact your advisor, counselor, or curriculum handbook.		Other Electives For a listing of other elective courses offered at your high school, please check with your advisor, counselor, or curriculum handbook.					

NOTE: Students have many options to **ENTER** and **EXIT** from their academic studies into the workforce. When a student graduates from high school, they are eligible to choose one of many **ENTRANCE POINT** options: **1.** Enroll in either a 2 or 4 year post-secondary program; **2.** Enroll in an apprenticeship program or the military; or **3.** Enter the workforce using technical skills learned in high school. When a student finishes a 2- or 4-year degree program, they may choose to **EXIT** and **1.** Enroll in an apprenticeship program or the military; **2.** Enroll in a professional university degree program; or **3.** Enter the workforce using technical skills learned.

Collision Repair – Nonstructural Analysis & Damage Repair Career Pathway Completers - Industry Credentialing for High School Students
 Upon completion of sequenced courses in the Collision Repair – Nonstructural Analysis & Damage Repair Career Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Collision Repair – Nonstructural Analysis and Damage Repair pathway will be able to sit for the National Industry Credentialed assessment offered on-line from ASE. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training. For specific assessment information, refer to: <http://bit.ly/GATDL>

Sample High Demand Careers in Georgia

Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings in Georgia	2014 – 2024 Employment Outlook
Automotive Body and Related Repairers	Diploma, Industry Credential	\$49,637	145	High Demand, High Skill
Automotive Master Mechanics	Postsecondary Credentials	\$38,189	894	High Demand, High Skill
Automotive Specialty Technicians	Postsecondary Credentials	\$38,139	894	High Demand, High Skill

GDOL Labor Market Explorer

Go to GAfutures at www.gafutures.org for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, grants and loans, FAFSA, and CSS forms).

Career Enhancement Opportunities	<p>Career-Related Education Activities</p> <ul style="list-style-type: none"> <input type="checkbox"/> Career Awareness <input type="checkbox"/> Career Exploration <input type="checkbox"/> Instructional Related <input type="checkbox"/> Connecting <input type="checkbox"/> Work-Based Learning <ul style="list-style-type: none"> • Employability Skill Dev. • Cooperative Education • Internship • Youth Apprenticeship • Clinicals 	<p>Postsecondary Options:</p> <ul style="list-style-type: none"> • 4-Year Universities/Colleges • 2-Year Colleges • Technical Colleges • State Registered Apprenticeships • Special Purpose Schools • On-the-Job Training • Military 	<p>Earning Postsecondary Credits While in High School</p> <p>A vital way to get ahead and realize you can pass college courses is by earning postsecondary credits as a high school student. Georgia offers a dual credit program titled Dual Enrollment. You need to talk with your parents, school counselor, or advisor about the proper courses to take each year in high school and dual credit.</p> <p>Students completing the course work in this Plan, will have earned/completed an Industry Credential, Technical Certificate of Credit (TCC), Associates of Applied Science Degree, and/or Bachelor's Degree.</p>
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Postsecondary Transition

- Students who will continue their education in a Program of Study at one of the University System of Georgia institutions should prepare to take the ACT or SAT for admissions. Tests for admissions may vary from institution to institution. Contact the selected institution for specific testing information. Additional admissions information can be found at Staying On Course. (www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf)
- Students who will continue their education in a Program of Study at one of the Technical College System of Georgia institutions should prepare to complete a placement exam.
- Students who will continue their education and training in the US Military should take the ASVAB assessment.
- Students should utilize electronic college and career databases to select the most appropriate postsecondary opportunities to match their selected career field, including registered apprenticeships.
- Georgia's dual-credit programs have been combined into one program entitled Dual Enrollment, in which high school students may earn their high school course credits while taking college courses.

Related Pathway Occupations	Other Related Occupations
<ul style="list-style-type: none"> • Automotive Body & Related Repairers • Automotive Glass Installers & Repairers • Automotive Specialty Technicians 	<ul style="list-style-type: none"> • Automotive Master Mechanics • Automotive Technician <p style="text-align: right;">*ONET Online</p>

Collision Repair – Nonstructural Analysis & Damage Repair Pathway Description

Collision repair technicians, also called automotive body repairers, apply their technical knowledge and skills to repair, reconstruct, and finish all types of vehicles, including cars, small trucks, large trucks, buses, and tractor trailers. Workers may be self-employed or work as specialists on a repair team in automobile dealerships, body repair shops, and other businesses specializing in collision repair. Some repair specialists focus on installing and repairing glass in automobiles and other types of vehicles. Repairers can remove and install windshields and window glass.

A high school diploma or GED is often all that is required to enter this occupation, but more specialized education and training will enhance job prospects and prepare workers for more sophisticated types of automobiles and other vehicles. Important knowledge offered by technical colleges includes structure analysis, damage repair, non-structural analysis, mechanical and electrical components, painting and refinishing techniques, and adhesive technology. Courses in electronics, physics, chemistry, English, computers, and mathematics provide an excellent foundation for a career as a collision repair specialist.

Many repairers, particularly those working in urban areas, need national Automotive Service Excellence (ASE) certification to advance beyond entry-level work. To become a licensed auto body repairer in Georgia, applicants must have two years of relevant work experience and pass a written exam. Certification is available in five collision repair areas: painting/refinishing, non-structural analysis and damage repair, structural analysis and damage repair, mechanical and electrical components, and collision damage analysis and estimating. Employment of automotive body and glass repairers is expected to grow 19 percent from 2010 to 2020, about as fast as the average for all occupations in Georgia. Those with formal training and industry certification should have very good job opportunities. The number of vehicles on the road is expected to continue increasing over the next decade. This will lead to overall growth in the demand for collision repair services.

Successful repairers must continue to focus on gaining competitive advantages and improving their technical ability to repair more complex modern vehicles that are using different forms of energy.