

# PROGRAM OF STUDY: Collision Repair - NADR



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:					POSTSECONDARY:		
COURSE/ GRADE	NINTH	TENTH	ELEVENTH	TWELFTH	TCC	DIPLOMA OR AAS	BACHELOR OF SCIENCE
ENGLISH	9 <sup>th</sup> grade Lit/ Composition	10 <sup>th</sup> grade Lit/ Composition	American Lit/ Composition	World Lit/ Composition / British Lit	<b>Entrance/Exit Point</b> <b>AB51 Automotive Collision Repair Assistant I Certificate</b>  <i>ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum.</i>  <a href="#">Find the campus for the TCC options</a>	<b>Entrance/Exit Point</b> <b>ACR2 Auto Collision Repair Diploma</b>  <i>ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum.</i>  <a href="#">Find the campus for the Diploma, Degree options</a>	<b>Entrance/Exit Point</b>  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. <a href="https://apps.ds.usg.edu/ords/f?p=118:1:0:">https://apps.ds.usg.edu/ords/f?p=118:1:0:</a>
MATHEMATICS	Coordinate Algebra / Algebra I	Analytic Geometry / Geometry	Advanced Algebra / Algebra II	Pre-calculus			
SCIENCE	Physical Science	Biology	Chemistry	Physics			
SOCIAL STUDIES	World History	Psychology	US History	Government (½ unit) Economics (½ unit)			
PATHWAY COMPLETER	<b>Introduction to Collision Repair</b>	<b>Non-Structural Analysis and Damage Repair I</b>	<b>Non-Structural Analysis and Damage Repair II</b>	Another course in focus area, Work-Based Learning, or Youth Apprenticeship			
<b>Industry Recognized Credential (Pathway Completer)</b>		<a href="#">Visit the End of Pathway Assessment Page</a> (see note below)					
<b>Required/ Selective Electives</b>	Health & Personal Fitness (can be taken in grades 9-12)	Introduction to Business and Technology	Entrepreneurship	Financial Literacy			
	<b>Modern Language/Latin</b> 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.		<b>Other Electives</b> 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 -- Non-Structural Analysis & Damage Repair Career Pathway Completers - Industry Credentialing for High School Students**  
 Upon completion of sequenced courses in the Collision Repair -- Non-Structural Analysis & Damage Repair 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 -- Non-Structural Analysis & 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 In 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	In Demand, High Skill
Automotive Master Mechanics	Postsecondary Credentials	\$40,340	1,980	In Demand, High Skill
Automotive Specialty Technicians	Postsecondary Credentials	\$40,340	2,360	In Demand, High Skill
Automotive Body and Related Repairers	High School Diploma	\$44,937	553	In Demand, High Skill

[Data link here.](#)

Go to [GAfutures at www.gafutures.org](http://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	Career-Related Education Activities	Postsecondary Options:	Earning Postsecondary Credits While in High School
	<ul style="list-style-type: none"> <li>Career Awareness</li> <li>Career Exploration</li> <li>Instructional Related</li> <li>Connecting                             <ul style="list-style-type: none"> <li>Work-Based Learning</li> <li>Employability Skill Dev.</li> <li>Cooperative Education</li> <li>Internship</li> <li>Youth Apprenticeship</li> <li>Clinicals</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>4-Year Universities/ Colleges</li> <li>2-Year Colleges</li> <li>Technical Colleges</li> <li>State Registered Apprenticeships</li> <li>Special Purpose Schools</li> <li>On-the-Job Training</li> <li>Military</li> </ul>	<ul style="list-style-type: none"> <li>Dual Enrollment Program</li> <li>Earn postsecondary credit while in high school</li> <li>You can complete                             <ul style="list-style-type: none"> <li>Industry Credential</li> <li>Technical Certificate of Credit (TCC)</li> <li>Associates of Applied Science Degree</li> <li>Bachelor's Degree</li> </ul> </li> <li>Who can help?                             <ul style="list-style-type: none"> <li>Parents</li> <li>School Counselor</li> <li>Advisor</li> </ul> </li> </ul>
<b>Postsecondary Transition</b> <ul style="list-style-type: none"> <li>University System of Georgia Institutions: Admissions Testing                             <ul style="list-style-type: none"> <li>ACT or SAT</li> <li>For More Information:                                     <ul style="list-style-type: none"> <li>Contact the institution of your choice OR</li> </ul> </li> </ul> </li> <li>Technical College System of Georgia                             <ul style="list-style-type: none"> <li>Placement Exam</li> </ul> </li> <li>United States Military                             <ul style="list-style-type: none"> <li>ASVAB Assessment</li> </ul> </li> <li>Use BRIDGE Law platform to inform decisions on postsecondary opportunities</li> <li>Dual Enrollment                             <ul style="list-style-type: none"> <li>Earning high school course credits while taking college courses</li> </ul> </li> </ul>			
<b>Related Pathway Occupations</b>		<b>Other Related Occupations</b>	
<ul style="list-style-type: none"> <li>Automotive Body &amp; Related Repairers</li> <li>Automotive Glass Installers &amp; Repairers</li> <li>Automotive Specialty Technicians</li> </ul>		<ul style="list-style-type: none"> <li>Automotive Master Mechanics</li> <li>Automotive Technician</li> </ul>	
*ONET Online			

### Collision Repair – Non-Structural 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 2014 to 2024, 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.