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.

### PROGRAM OF STUDY:

#### Collision Repair - NADR

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<table>
<thead>
<tr>
<th>COURSE/GRADE</th>
<th>NINTH</th>
<th>TENTH</th>
<th>ELEVENTH</th>
<th>TWELFTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td>9th grade Lit/Composition</td>
<td>10th grade Lit/Composition</td>
<td>American Lit/Composition</td>
<td>World Lit/Composition / British Lit</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>Coordinate Algebra / Algebra I</td>
<td>Analytic Geometry / Geometry</td>
<td>Advanced Algebra / Algebra II</td>
<td>Pre-calculus</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>Physical Science</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>SOCIAL STUDIES</td>
<td>World History</td>
<td>Psychology</td>
<td>US History</td>
<td>Government (½ unit) Economics (½ unit)</td>
</tr>
<tr>
<td>PATHWAY COMPLETER</td>
<td>Introduction to Collision Repair</td>
<td>Non-Structural Analysis and Damage Repair I</td>
<td>Non-Structural Analysis and Damage Repair II</td>
<td>Another course in focus area, Work-Based Learning, or Youth Apprenticeship</td>
</tr>
</tbody>
</table>

#### SECONDARY:

Industry Recognized Credential (Pathway Completer)

Visit the End of Pathway Assessment Page

(see note below)

<table>
<thead>
<tr>
<th>Required/Selective Electives</th>
<th>Health &amp; Personal Fitness (can be taken in grades 9-12)</th>
<th>Introduction to Business and Technology</th>
<th>Entrepreneurship</th>
<th>Financial Literacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Language/Latin</td>
<td>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.</td>
<td>For a listing of other elective courses offered at your high school, please check with your advisor, counselor, or curriculum handbook.</td>
<td>Other Electives</td>
<td></td>
</tr>
</tbody>
</table>

#### POSTSECONDARY:

<table>
<thead>
<tr>
<th>TCC</th>
<th>DIPLOMA OR AAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB51 Automotive Collision Repair Assistant I Certificate</td>
<td>ACR2 Auto Collision Repair Diploma</td>
</tr>
<tr>
<td>ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum.</td>
<td>ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum.</td>
</tr>
</tbody>
</table>

Find the campus for the TCC options

Find the campus for the Diploma, Degree options

<table>
<thead>
<tr>
<th>BACHELOR OF SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>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/?p=118:1:0">https://apps.ds.usg.edu/ords/?p=118:1:0</a></td>
</tr>
</tbody>
</table>

### 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](http://bit.ly/GATDL).
### Sample In Demand Careers in Georgia

<table>
<thead>
<tr>
<th>Occupation Specialties</th>
<th>Level of Education Needed</th>
<th>Georgia Average Salary</th>
<th>Annual Average Openings in Georgia</th>
<th>2014 – 2024 Employment Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive Body and Related Repairers</td>
<td>Diploma, Industry Credential</td>
<td>$49,637</td>
<td>145</td>
<td>In Demand, High Skill</td>
</tr>
<tr>
<td>Automotive Master Mechanics</td>
<td>Postsecondary Credentials</td>
<td>$40,340</td>
<td>1,980</td>
<td>In Demand, High Skill</td>
</tr>
<tr>
<td>Automotive Specialty Technicians</td>
<td>Postsecondary Credentials</td>
<td>$40,340</td>
<td>2,360</td>
<td>In Demand, High Skill</td>
</tr>
<tr>
<td>Automotive Body and Related Repairers</td>
<td>High School Diploma</td>
<td>$44,937</td>
<td>553</td>
<td>In Demand, High Skill</td>
</tr>
</tbody>
</table>

**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).**

**Postsecondary Transition**
- University System of Georgia Institutions: Admissions Testing
  - ACT or SAT
  - For More Information:
    - Contact the institution of your choice OR
  - Technical College System of Georgia
    - Placement Exam
  - United States Military
    - ASVAB Assessment
  - Use BRIDGE Law platform to inform decisions on postsecondary opportunities
  - Dual Enrollment
    - Earning high school course credits while taking college courses

**Related Pathway Occupations**
- Automotive Body & Related Repairers
- Automotive Glass Installers & Repairers
- Automotive Master Mechanics
- Automotive Specialty Technicians
- Automotive Technician

**Other Related Occupations**
- *ONET Online

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**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.