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

<table>
<thead>
<tr>
<th>Course/Grade</th>
<th>Ninth</th>
<th>Tenth</th>
<th>Eleventh</th>
<th>Twelfth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></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><strong>Mathematics</strong></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><strong>Science</strong></td>
<td>Physical Science</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>Psychology</td>
<td>World History</td>
<td>US History</td>
<td>Government (½ unit) Economics (½ unit)</td>
</tr>
<tr>
<td><strong>Pathway Completer</strong></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>Work-Based Learning, Youth Apprenticeship, or Capstone Project</td>
</tr>
<tr>
<td><strong>Industry Recognized Credential (Pathway Completer)</strong></td>
<td>Visit the End of Pathway Assessment Page</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Required/Selective Electives

- **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.

### Entrance or Exit Point

**Entrance or Exit 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 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 the workforce using technical skills learned in high school.

### Postsecondary

#### TCC

- 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
  - ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum

#### Diploma or AAS

- ACR2 Diploma Auto Collision Repair
  - Complete Academic courses
  - 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
  - ACRP 2007 - Damage Analysis and Estimating
  - ACRP 2010 – Major Collision Repair
  - ACRP 2015 – Major Collision Replacements
  - ACRP 2019 – Major Collision Repair Internship
  - ICAR Certification and ASE Tech Certification options with completion of the courses if program is using the appropriate curriculum

#### Bachelor of Science

- 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.orsd.gov/?p=118:1:0](https://apps.usg.orsd.gov/?p=118:1:0)

### Collission 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 eligible to sit for the National Industry Credentialing 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 High 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>High Demand, High Skill</td>
</tr>
<tr>
<td>Automotive Master Mechanics</td>
<td>Postsecondary Credentials</td>
<td>$38,189</td>
<td>894</td>
<td>High Demand, High Skill</td>
</tr>
<tr>
<td>Automotive Specialty Technicians</td>
<td>Postsecondary Credentials</td>
<td>$38,139</td>
<td>894</td>
<td>High 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).

### 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.