**Student Plan of Study – Collision Repair/Non- Structural Analysis & Damage Repair**

**Name________________________ Date________________ School________________________**

**Parent/Guardian Signature________________________ Date________________ Advisor/Counselor Signature________________________**

**Current Area of Interest:** Transportation, Distribution & Logistics/Non-Structural Analysis & Damage Repair - This PLAN OF STUDY should serve as a guide for the next four years. **Courses listed in this plan are only recommended coursework and should be individualized to meet each student’s educational and career goals. All plans will meet minimum high school graduation requirements.** Applicants to the University System of Georgia and the Technical College System of Georgia institutions should be advised that meeting minimum requirements will not guarantee admission. Postsecondary institutions may set additional requirements.

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>I. English/Language Arts</th>
<th>II. Math</th>
<th>III. Science</th>
<th>IV. Social Studies</th>
<th>V. Health/Personal Fitness</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives)</th>
</tr>
</thead>
</table>
| 9           | 1 CCGPS Cord Algebra     | 1 credit * | Biology or Approved Dual Enrollment Course | American Government/Civics or AP Government/Politics US or Approved Dual Enrollment Course | 1 credit | **Advanced Academic Pathways**

English/Language Arts, Math, Science, Social Studies

An advanced academic pathway may be followed in any one of the content subjects listed above. Upon graduation, students earn an advanced academic pathway when they complete the required coursework to include at least one AP or one IB or one Dual Enrollment course. An advanced academic pathway should also include at least two credits in one world language. AP, Dual Enrollment and Georgia Virtual School courses may be available.

| 10          | 1 CCGPS Analytic Geom    | 1 credit * | Physical Science or Physics or AP Physics or Approved Dual Enrollment Course | World History or AP World History or Approved Dual Enrollment Course | 1 credit | **World Language Pathways**

**Two credits are required for admissions to University System Institutions.** For a listing of world language courses offered at your high school, please check with your advisor, counselor, or local course description catalog. A world language pathway may be followed in any one of the world language areas included in the state list of approved courses. Upon graduation, students earn a world language pathway when they complete three credits in one language. The third course may reflect an AP, IB or Dual Enrollment designation. Georgia Virtual School and ACCEL courses may be available.

| 11          | 1 CCGPS Adv. Algebra     | 1 credit * | Chemistry or Environmental Science or Earth Systems or AP/IB or Approved Dual Enrollment Course | United States History or AP US History or IB History of the Americas or Approved Dual Enrollment Course | 1 credit | **Fine Arts/Performing Arts Pathways**

Visual, Dance, Music, Journalism, Theatre

A fine arts pathway may be followed in any one of the five areas listed above. Upon graduation, students complete a fine arts/performing arts pathway when three courses have been successfully completed in any one of the five areas. A student should consult a counselor or advisor for related coursework. AP, Dual Enrollment and Georgia Virtual School courses may be available.

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**Legend:**

*Science: Approved 4th Science may be used to meet both the required science and required elective in a Career, Technical and Agricultural Education (CTAE) sequence of courses; see Fourth Science Requirements for more information. Student may take science courses in any sequence.*

*Math: Select Math sequence 1, 2, 3, 4, based on 9th grade entry course.*

**Students should complete a CTAE pathway and take the related end of pathway assessment.**

**Note:** Local systems may offer core courses in a different sequence; not all local systems offer every pathway. Students should explore all credit possibilities including Georgia’s Virtual School Program, Dual Enrollment, Advanced Placement (AP), International Baccalaureate (IB) and Work-Based Learning (WBL) to reach their educational and career goals.
SAMPLE Pathway OCCUPATIONS
See *Georgia’s HOT Careers to 2020* for more information on high-skilled, high-wage and high-demand occupations.

<table>
<thead>
<tr>
<th>Occupation Specialties</th>
<th>Entry Level of Education Needed</th>
<th>2012 Annual Wage</th>
<th>Annual Openings 2012-2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive Body &amp; Related Repairers</td>
<td>High School</td>
<td>$40,600</td>
<td>100</td>
</tr>
<tr>
<td>Automotive Glass Installers &amp; Repairers</td>
<td>High School</td>
<td>$40,300</td>
<td>40</td>
</tr>
<tr>
<td>Painters, Transportation Equipment Repairers</td>
<td>High School</td>
<td>$40,300</td>
<td>40</td>
</tr>
</tbody>
</table>

Source: Georgia Department of Labor/ONET

*Related Pathway Occupations:*
- Automotive Body & Related Repairers
- Automotive Glass Installers & Repairers
- Automotive Specialty Technicians

Other Related Transportation, Distribution & Logistics Occupations:
- Automotive Master Mechanics
- Automotive Technician

### Current Georgia Graduation Rule

<table>
<thead>
<tr>
<th>Coursework</th>
<th>Credits</th>
<th>Coursework</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. English/Language Arts</td>
<td>4</td>
<td>V. Health &amp; Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>II. Math</td>
<td>4</td>
<td>VI. **Career, Technical &amp; Agricultural Education and/or ***World Languages, and/or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>III. *Science</td>
<td>4</td>
<td>VII. Electives</td>
<td>4</td>
</tr>
<tr>
<td>IV. Social Studies</td>
<td>3</td>
<td>TOTAL</td>
<td>23</td>
</tr>
</tbody>
</table>

*Selected 4th Science courses may be used to meet both the required science and required elective in a CTAE sequence of courses.

**Students must complete three credits to complete a CTAE pathway and take the end of pathway assessment.

***Students must complete two credits of the same world language for admission to Georgia Board of Regents colleges/universities.

**** Current graduation requirements should be met in all content areas.

NOTE: This plan represents minimum graduation requirements. Local systems may require additional coursework.

### 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](http://www.usg.edu/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 take the COMPASS test for admissions.
- 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 Move on When Ready, in which high school students may earn their high school course credits while taking college courses.

### Possible Student Pathway Credentialing Opportunities:

Students completing a pathway are eligible to take a Credentialing/End of Pathway Assessment (EOPA) upon successful completion of the three required courses in the pathway. For specific assessment information, refer to [http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/CTAE-Georgia-Assessments.aspx](http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/CTAE-Georgia-Assessments.aspx)

### Non-Structural Analysis & Damage Repair

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.