<table>
<thead>
<tr>
<th>Grade Level</th>
<th>I. English/Language Arts Total 4 credits</th>
<th>II. Math Total 4 credits</th>
<th>III. Science Total 4 credits</th>
<th>IV. Social Studies Total 3 credits</th>
<th>V. Health/Personal Fitness Total 1 credit</th>
<th>VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives) Total 4 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>1 CCGPS Core Algebra 1 CCGPS Analytic Geometry 2 CCGPS Accel Core Algebra/Analytic Geometry 4 CCGPS Accel Analytic Geometry/Bi/Adv. Algebra 1 credit *</td>
<td>1 credit *</td>
<td>1 credit *</td>
<td>American Government/Civics or AP Government/Political US or Approved Dual Enrollment Course 1 credit *</td>
<td>½ credit</td>
<td>Health ½ credit Credit Earned □ Personal Fitness ½ credit Credit Earned □</td>
</tr>
<tr>
<td>10</td>
<td>1 CCGPS Analytic Geometry 2 CCGPS Adv Algebra 3 CCGPS Accel Analytic Geometry/Adv Alg 4 CCGPS Pre-Calculus 1 credit *</td>
<td>1 credit *</td>
<td>1 credit *</td>
<td>Physical Science or Physics or AP Physics or Approved Dual Enrollment Course 1 credit *</td>
<td>1 credit</td>
<td>World History or AP World History or Approved Dual Enrollment Course 1 credit</td>
</tr>
<tr>
<td>11</td>
<td>1 CCGPS Adv Alg 2 CCGPS Pre-Calculus 3 CCGPS Accel Pre-Cal 4 CCGPS Calc or AP Calc 1 credit *</td>
<td>1 credit *</td>
<td>1 credit *</td>
<td>Chemistry or Environmental Science or Earth Systems or AP/Biology or Approved Dual Enrollment Course 1 credit *</td>
<td>1 credit</td>
<td>United States History or AP US History or IB History of the Americas or Approved Dual Enrollment Course 1 credit</td>
</tr>
</tbody>
</table>

At the end of the 11th grade, students planning to enter a University System of Georgia Institution or Technical College System of Georgia Institution should take the appropriate admissions test (SAT, ACT, Compass).

**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. Students may take science courses in any sequence.
- Math: Select Math sequence 1, 2, 3, 4, based on 9th grade entry course.
- **Students must complete two credits of the same world language for admission to University System of Georgia institutions.***

**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.

**World Language Pathways**

- **Two credits are required for admissions to University System Institutions.**

A world language pathway may be followed in any of the five 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.

**Fine Arts/Performing Arts Pathways**

- Visual Arts, 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.

**Career, Technical and Agricultural Education (CTAE) Pathways**

- Visual Arts, Dance, Music, Journalism, Theatre

Available options may vary by local system. For a listing of world language courses offered at your high school, please consult your school counselor or local course description catalog. AP, Dual Enrollment and Georgia Virtual School courses may be available.

**Advanced Placement (AP)**, International Baccalaureate (IB) and Work-Based Learning (WBL) to reach their educational and career goals.

Richard Woods, Georgia’s School Superintendent

"Educating Georgia’s Future"
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</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

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**Painting & Refinishing**

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. Those without formal training or experience will face fierce competition in the industry. Successful repairers must continue to focus on gaining competitive advantages and improving their technical ability to repair an ever more complex modern vehicles that are using different forms of energy. Workers can 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. They can remove and install windscreens 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.

Those without formal training or experience will face fierce competition in the industry. Successful repairers must continue to focus on gaining competitive advantages and improving their technical ability to repair in ever more complex modern vehicles that are using different forms of energy.

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*For more information about your education and career planning, including valuable financial aid information that includes grants and scholarships, see your school counselor.*

<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</td>
<td>3</td>
</tr>
<tr>
<td>III. <em>Science</em></td>
<td>4</td>
<td>and/or ***World Languages, and/or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>IV. Social Studies</td>
<td>3</td>
<td>VII. Electives</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>23</td>
<td></td>
<td></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.

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**Postsecondary Transition:**

- Students who will continue their education in a Program of Study at one of 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 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.

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**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)