



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: General Automotive Technology					Entrance or Exit Point	Postsecondary:			
Course/Grade	9	10	11	12		TCC	Diploma or AAS	Entrance or Exit Point	Bachelor of Science
English 4 credits	9 <sup>th</sup> Grade Lit	10 <sup>th</sup> Grade Lit	American Lit	British Lit		<b>Auto Electrical/ Electronic Systems Tech TCC (AE41)</b> <ul style="list-style-type: none"><li>AUTT 1010 Automotive Technology Introduction</li><li>AUTT 1020 Automotive Electrical Systems</li></ul> <b>Auto Chassis Systems Tech TCC (ASG1)</b> <ul style="list-style-type: none"><li>AUTT 1030 Automotive Brake Systems</li><li>AUTT 1050 Automotive Suspension and Steering Systems</li></ul> <b>Auto Climate Controls Tech TCC (AH21)</b> <ul style="list-style-type: none"><li>AUTT 1060 Automotive Climate Control Systems</li></ul> <b>Auto Engine Performance Tech TCC (AE51)</b> <ul style="list-style-type: none"><li>AUTT 1040 Automotive Engine Performance</li></ul> <div>For more information on technical college programs, visit <a href="https://kms.tcsq.edu/POA">https://kms.tcsq.edu/POA</a></div>	<b>Automotive Fundamentals Diploma (AF12)</b> <ul style="list-style-type: none"><li>Complete Academic courses</li><li>AUTT 1010 Automotive Technology Introduction</li><li>AUTT 1020 Automotive Electrical Systems</li><li>AUTT 1030 Automotive Brake Systems</li><li>AUTT 1040 Automotive Engine Performance</li><li>AUTT 1050 Automotive Suspension and Steering Systems</li><li>AUTT 1060 Automotive Climate Control Systems</li></ul> <b>Automotive Technology Degree (AT23)</b> <ul style="list-style-type: none"><li>AUTT 2010 Automotive Engine Repair</li><li>AUTT 2020 - Automotive Manual Drive Train &amp; Axles</li><li>AUTT 2030 - Automotive Automatic Transmissions and Transaxles</li></ul>		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.
Math 4 credits	Algebra I	Geometry	Algebra II	Fourth Math Selection					
Science 4 credits	Environmental Science	Physical Science	Biology	Fourth Science Selection					
Social Studies 3 credits	World History	US History	Economics and Government						
PE 1 credit	Health and Personal Fitness		Consult your counselor for course progression. Course progression on this sheet is based on general guidelines.						
Pathway 3 credits	Automotive Technologies 1	Automotive Technologies 2	Automotive Technologies 3	See Related CTAE Electives Below					
Electives	World Language Sequence French or Spanish <i>2 Units Required for admission to Georgia University System Colleges</i>		Fine Arts Visual Arts Band Chorus Drama	Advanced Placement Courses  Dual Enrollment Courses					
	Related CTAE Electives Basic Agriculture Fundamentals of Occ Safety Intro to Digital Technology		Work-Based Learning Internship Cooperative Education Youth Apprenticeship						For more information on college and university programs, visit <a href="https://apps.ds.usg.edu">apps.ds.usg.edu</a>

**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.

**General Automotive Technology Career Pathway Completers - Industry Credentialing for High School Students**

Upon completion of sequenced courses in the General Automotive Technology Career Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the General Automotive Technology 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.

Sample High Demand Careers in Georgia				
Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings	2014-2024 Employment Outlook
Automobile Technicians & Mechanics	Diploma, Industry Credential	\$49,637	145	In Demand, High Skill
Automotive Master Mechanics	Postsecondary Credentials	\$40,430	1,980	In Demand, High Skill
Automotive Specialty Technicians	Postsecondary Credentials	\$40,340	2360	In Demand, High Skill

GDOL Labor Market Explorer

Go to GAfutures at <a href="http://www.gafutures.org">www.gafutures.org</a> 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).				<div>General Automotive Technology Pathway Description</div> <p>Automobile service technicians and mechanics, often called service technicians or service techs, inspect, maintain, and repair cars and light trucks.</p> <p>Most automobile service technicians and mechanics work in well-ventilated and well-lit repair shops. Although mechanical problems can often be fixed with computers, technicians perform many tasks with greasy parts and tools, while sometimes in uncomfortable positions. Service technicians work on traditional mechanical components, such as engines, transmissions, belts, and hoses. However, they must also be familiar with a growing number of electro systems. Braking, transmission, and steering systems, for example, are controlled primarily by computers and electronic components. Other integrated electronic systems, such as accident-avoidance sensors, are becoming common as well. In addition, a growing number of technicians are required to work on vehicles that run on alternative fuels, such as ethanol and electricity.</p> <p>Some employers prefer automobile service technicians and mechanics who have completed a formal training program in a postsecondary institution. Industry certification is usually required once the person is employed. Students may also consider state-registered apprenticeships for additional training after high school. <a href="http://www.doleta.gov/oa/">http://www.doleta.gov/oa/</a></p> <p>Employment of automobile service technicians and mechanics is expected to grow 17 percent from 2014 to 2024, about as fast as the average for all occupations. Job opportunities for qualified jobseekers should be very good.</p>
Career Enhancement Opportunities	Career-Related Education Activities <ul style="list-style-type: none"><li>Career Awareness</li><li>Career Exploration</li><li>Instructional Related</li><li>Connecting</li><li>Work-Based Learning</li></ul>	Postsecondary Options: <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>	Earning Postsecondary Credits While in High School <p>A vital way to get ahead and realize you can pass college courses is by earning postsecondary credits as a high school student. Georgia offers a dual credit program titled Dual Enrollment. You need to talk with your parents, school counselor, or advisor about the proper courses to take each year in high school and dual credit. Students completing the course work in this Plan, will have earned/completed an Industry Credential, Technical Certificate of Credit (TCC), Associates of Applied Science Degree, and/or Bachelor's Degree.</p>	
	Postsecondary Transition <ul style="list-style-type: none"><li>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. (<a href="https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf">https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf</a>)</li><li>Students who will continue their education in a Program of Study at one of the Technical College System of Georgia institutions should prepare to complete a placement exam.</li><li>Students who will continue their education and training in the US Military should take the ASVAB assessment.</li><li>Students should utilize electronic college and career databases to select the most appropriate postsecondary opportunities to match their selected career field, including registered apprenticeships.</li><li>Georgia's dual-credit programs have been combined into one program entitled Dual Enrollment, in which high school students may earn their high school course credits while taking college courses.</li></ul>			
	Related Pathway Occupations <ul style="list-style-type: none"><li>Automobile Glass Installers &amp; Repairers</li><li>Automobile Specialty Technicians</li><li>Electrical &amp; Electronics Installers &amp; Repairers</li><li>Electronic Equipment Installers &amp; Repairers</li><li>Engine and Other Machine Assemblers</li></ul>		Other Related Occupations <ul style="list-style-type: none"><li>Master Automobile Service Technicians</li><li>Collision Repairers</li><li>Small Engine Repairers</li></ul>	
			ONET Online	

<b>Student Organization:</b> SkillsUSA	<b>Programs of Study Developed in Partnership:</b> the Georgia Department of Education, the Technical College System of Georgia, and the University System of Georgia. #CTAEDelivers
--	--