

Student Plan of Study – Master Automobile Service Technology



Name _____ Date _____ School _____

Parent/Guardian Signature _____ Date _____ Advisor/Counselor Signature _____ Date _____

Current Area of Interest: *Transportation, Distribution & Logistics/Master Automobile Service Technology*- 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.**

Grade Level	I. English/Language Arts Total 4 credits	II. Math Total 4 credits	III. Science Total 4 credits	IV. Social Studies Total 3 credits	V. Health/Personal Fitness Total 1 credit	VII. Possible electives in additional pathways (students should check the local course description catalog for these and other electives) Total 4 credits
9	9 th Literature & Composition or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	1 CCGPS Cord Alg 2 CCGPS Analytic Geom 3 CCGPS Accel Cord Algebra/Analytic Geometry 4 CCGPS Accel Analytic Geometry B/Adv. Algebra 1 credit * Credit Earned <input type="checkbox"/>	Biology or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/>	American Government/Civics or AP Government/ Politics US or Approved Dual Enrollment Course ½ credit Credit Earned <input type="checkbox"/>	Health ½ credit Credit Earned <input type="checkbox"/> Personal Fitness ½ credit Credit Earned <input type="checkbox"/> *** VI. CTAE Pathway Total 3 credits	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 th Literature & Composition or World Literature & Composition or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	1 CCGPS Analytic Geometry 2 CCGPS Adv. Algebra 3 CCGPS Accel Analytic Geometry/Adv. Algebra 4 CCGPS Pre-Calculus 1 credit * Credit Earned <input type="checkbox"/>	Physical Science or Physics or AP Physics or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/>	World History or AP World History or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	47.43700 Master Automobile Service Technology 7 or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	
11	American Literature/ Composition or AP English Language & Composition/American Lit or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	1 CCGPS Adv Alg 2 CCGPS Pre-Calculus 3 CCGPS Accel Pre-Cal 4 CCGPS Cal or AP Cal 1 credit * Credit Earned <input type="checkbox"/>	Chemistry or Environmental Science or Earth Systems or AP/IB or Approved Dual Enrollment Course t 1 credit * Credit Earned <input type="checkbox"/>	United States History or AP US History or IB History of the Americas or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	47.43800 Master Automobile Service Technology 8 or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	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.
	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).					
Sample Elective Courses	Advanced Composition or British Literature or AP/IB English Literature & Composition or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	CCGPS Pre-Cal or Adv Math Decision Making or Math of Ind & Govern or AP Stats or IB Math or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/>	Any other of the previous courses or Ecology or Geology or Approved Dual Enrollment Course 1 credit * Credit Earned <input type="checkbox"/>	Econ/Business/Free Enterprise or AP Macro Econ or AP Micro Econ or IB Econ or Approved Dual Enrollment Course ½ credit Credit Earned <input type="checkbox"/>	47.439 Automobile Service Technology Internship or Approved Dual Enrollment Course 1 credit Credit Earned <input type="checkbox"/>	Legend: *Science: Approved 4th Sciences 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 9 th grade entry course. ***Students must complete two credits of the same world language for admission to University System of Georgia institutions. **** Students should complete a CTAE pathway and take the related end of pathway assessment.
	Other English Elective Courses: Literary Types/Composition Journalism Oral/Written Communication Speech	Other Math Elective Courses: Calculus AP Calculus Math of Finance	Other Science Elective Courses: Astronomy or AP/IB Science or Meteorology	Other Social Studies Elective Courses: Humanities or AP/IB Soc Studies or Sociology or World Geography	Other CTAE Elective Courses: Other CTAE electives are available to complete a related pathway	

Transportation, Distribution & Logistics

SAMPLE Pathway OCCUPATIONS			
See * Georgia's HOT Careers to 2020 for more information on high-skilled, high-wage and high-demand occupations.			
Occupation Specialties	Entry Level of Education Needed	2012 Annual Wage	Annual Openings 2012-2020
Automobile Technician & Mechanics	High School	\$33,400	570
Mechanical Engineering Technicians	Some College No Degree Required	\$47,600	10
Automotive Body & Related Repairers	High School	\$40,600	100

Source: Georgia Department of Labor/ONET

<p>*Related Pathway Occupations: Master Automobile Service Technicians Automobile Glass Installers & Repairers Automobile Specialty Technicians Electrical & Electronics Installers & Repairers Electronic Equipment Installers & Repairers</p>	<p>Other Related Transportation, Distribution & Logistics Occupations: Automobile Engineers Collision Repairers Engine and Other Machine Assemblers</p>
*ONET Online	

For more information about your education and career planning, including valuable financial aid information that includes grants and scholarships, see your school counselor.			
**** Current Georgia Graduation Rule			
Coursework	Credits	Coursework	Credits
I. English/Language Arts	4	V. Health & Physical Education	1
II. Math	4	VI. **Career, Technical & Agricultural Education and/or ***World Languages, and/or Fine Arts	3
III. *Science	4	VII. Electives	4
IV. Social Studies	3	TOTAL	23
<p>*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 Modern Language/Latin 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.</p>			

Postsecondary Transition:
<ul style="list-style-type: none"> 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. (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:
<p>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</p>

Transportation, Distribution & Logistics/Master Auto Service Tech
<p>Automobile service technicians and mechanics, often called service technicians or service techs, inspect, maintain, and repair cars and light trucks. To become a master automobile mechanic, students can complete the Basic Maintenance and Light Repair pathway, and may take the end of pathway assessment in Maintenance and Light Repair offered by the National Institute for Automobile Service Excellence (ASE) in collaboration with NATEF/AYES/SkillsUSA. Students completing the Automobile Service Technician pathway may take the end of pathway assessment in Automobile Service Technology offered by the National Institute for Automobile Service Excellence (ASE) in collaboration with NATEF/AYES/SkillsUSA. Students completing the Master Automobile Service Technician pathway may take the end of pathway assessment in Master Automobile Service Technician offered by the National Institute for Automobile Service Excellence (ASE) in collaboration with NATEF/AYES/SkillsUSA.</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 electrosystems. 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. http://www.doleta.gov/oa/</p> <p>Employment of automobile service technicians and mechanics is expected to grow 17 percent from 2010 to 2020, about as fast as the average for all occupations. Job opportunities for qualified job seekers should be very good.</p>