



Automotive Technology Course Sequence Chart



	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
LEVEL I	AUT101 45 Automotive Safety	AUT151 45 Basic Automotive Electricity	AUT121 30 Lubrication Systems	AUT131 45 Fundamentals of Braking Systems
	AUT104 30 Information Systems	AUT141 45 Wheels, Tires, Bearings	AUT124 45 Engine Fundamentals	AUT142 45 Fundamentals of Suspension/Steering Systems
	AUT103 45 Tools and Equipment	AUT152 30 Specialized Electronics Training I	AUT153 45 Starting Systems	AUT111 15 Automotive Math I
	PFS109 7.5 Leadership Principles	PFS110 7.5 Leadership Principles		AUT102 15 Merchandising I
	TOTAL: 127.5	TOTAL: 127.5	TOTAL: 120	TOTAL: 120
LEVEL II	AUT231 45 Brake Systems Diagnosis & Repair	AUT271 30 Vehicle Drive Trains I	AUT254 30 Charging Systems	AUT256 30 Electrical Diagnostics II
	AUT232 30 A.B.S. and Traction Control Systems	AUT244 45 Drivability and Alignment	AUT224 45 Engine Diagnostics and Repair	AUT252 45 Specialized Electronic Training II
	AUT243 45 Suspension and Steering Diagnosis and Repair I	AUT272 15 Vehicle Drive Trains II	AUT255 30 Electrical Diagnostics I	AUT211 15 Automotive Technical Math II
		AUT245 30 Suspension and Steering Diagnosis and Repair II	AUT202 15 Transportation Career Readiness	AUT201 30 Merchandising II
			PFS209* 7.5 Business Principles	PFS211* 7.5 Business Principles
	TOTAL: 120	TOTAL: 120	TOTAL: 127.5	TOTAL: 127.5
LEVEL III	AUT304 15 Information Systems II	AUT352 30 Specialized Electronic Training III	AUT363 30 Engine Tune-Up and Drivability	AUT391 30 PA State Safety Inspection Cert. I
	AUT357 30 Hybrid and Electric Drive	AUT362 30 Fuel Injection Systems	AUT364 30 Emissions Systems Fundamentals	AUT392 30 PA State Safety Inspection Cert. II
	AUT361 30 Electronic Ignition Systems	AUT323 45 Cooling Systems II & HVAC	AUT365 30 Emissions Systems Diagnosis	AUT305 30 PA State Emissions Regulations
	AUT322 30 Cooling Systems I	BFM301 15 Business Finance or	AUT302 15 Transportation Career Readiness II	AUT311 15 Automotive Technical Math III
	BFM301 15 Business Finance or	SRS299 7.5 Skill Practice	PFS309* 7.5 Total Quality Principles	PFS310* 7.5 Total Quality Principles
	SRS299 15 Skill Practice		BFM301 15 Business Finance or	BFM301 15 Business Finance or
TOTAL: 120	TOTAL: 120	TOTAL: 127.5	TOTAL: 127.5	

Revision Date: June 2018. *Business Principles and Total Quality Principles may be provided in Level II or Level III.

Automotive Technology Program at a Glance

Considerations for Application to Automotive Technology

Worker Behaviors Identified by Local Industry Experts

- Accountable, accurate and efficient
- Able to lift 50 pounds, Arrives to work on time
- Communicates clearly
- Completes work in a timely manner, Customer care oriented
- Follows company policies and objectives
- Good work ethic and high quality worker
- Positive attitude
- Professional appearance (uniforms are clean, personal grooming standards)
- Reliable, Self-motivated (shows initiative)

Textbook Reading Level: 11.2

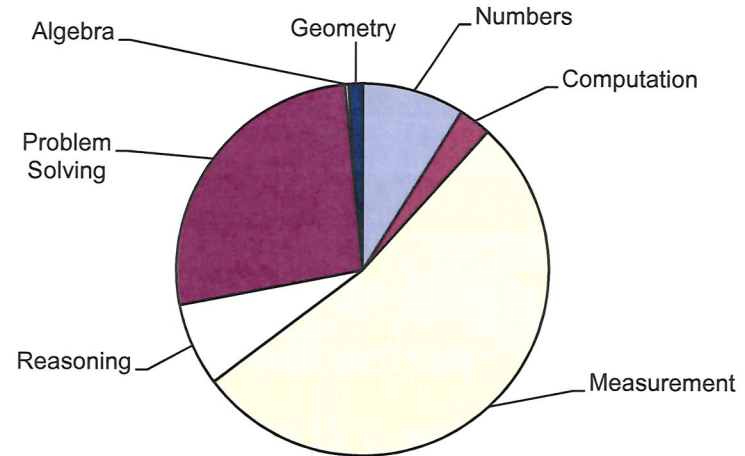
Potentially Hazardous Tools and Equipment:

Hand tools such as screwdrivers, pliers, hammers, utility knives. Power tools, both air and electric powered drills and wrenches, grinding wheels. Equipment such as tire machines, floor jacks, auto hoists, brake lathe, drill press, oxy/ac torches, hydraulic press, spring compressor. Solvent cleaning tank, bead blaster. Students will use vehicle lifting equipment that may present crushing and pinching hazards. Students will use hand and power tools that may cause cuts, punctures, abrasions, pinching and crushing hazards.

Typical Assignments/Projects: Workbook pages, homework questions, vocabulary words, lab projects, on-line certification tests.

Career Portfolio

Types of Math in Automotive Technology Program



Math Grade Levels in Automotive Technology Program

