GTA Liquids Training Curriculum Map

This map is intended to provide guidance on how GTA courses can be implemented. It is only a suggestion to get you started, so you may implement them in any order or combination that suites your needs. They are grouped in 3 levels: Basic, Intermediate, and Advanced. The first column in each level provides a grouping order to suggest an order that curses might be taken. The second column identifies the WBT (web-based training) Certificate Program name for WBTs or a Topic name for ILTs (instructor-led training) or SBs (skill builders, or on-the-job training). The final column is a list of the content in the order they are suggested to be taken.

Basic

Courses Highlighted Green are New Courses Highlighted Red have been Retired

Order 0= Any Order a, b, c= Order within group	WBT Certificate Program	WBT Content ILT = Instructor Led Training SB = Skill Builders (On-the-Job Training) All others are WBTs
1a	Basic Liquid Measurement Technician WBT Certificate	 Drawing Sets and Print Reading History of Liquid Flow Measurement Units of Liquid Measurement – Pressure and Temperature Units in Liquid Measurement – Volume, Density and Mass Chemical Properties of Hydrocarbon Liquids Introduction to Liquid Flow Measurement replaced Introduction to Liquid Measurement in 2023 Introduction to Liquid Measurement Components Introduction to Liquid Flow Meters Meter Station Drawings Introduction to Instrumentation Introduction to SCADA
2a	Basic Liquid Meters WBT Certificate	 Coriolis Flowmeter Definitions and Components for Liquids Coriolis Flowmeter Theory of Operation for Liquids
3a	Basic Liquid Meters WBT Certificate	 Introduction to Ultrasonic Meters Ultrasonic Meters Maintenance and Troubleshooting
0	Basic Electronics WBT Certificate	Basic Electronics: Power Supplies, Rectifier Circuits, and Power Supply Filters

		 Basic Electronics: Power Supplies, Voltage Regulators and Integrated Circuits Basic Electronics: Switching Power Supplies Basic Electronics: Bipolar Transistor Fundamentals Basic Electronics: Diodes Basic Electronics: Operational Amplifiers Basic Electronics: Special Semiconductor Devices
0	Electric Power Fundamentals WBT Certificate	 Electric Power Fundamentals: Electrical Safety Electric Power Fundamentals: Basic Electrical Theory Electric Power Fundamentals: Test Equipment Electric Power Fundamentals: AC Generation Electric Power Fundamentals: Grounding Practices Electric Power Fundamentals: AC and DC Motors Electric Power Fundamentals: Controlling Motor Starting Electric Power Fundamentals: Motor Control Fundamentals Electric Power Fundamentals: RLC Circuits and Transformers
0	Applied Physics WBT Certificate	 Applied Physics: An Introduction Applied Physics: Dynamics Applied Physics: Nature of Matter Applied Physics: Energy, work and Power Applied Physics: Heat and Heat Transfer Applied Physics: Mechanics
0	Math WBT Certificate	 Industrial Math: Whole Numbers and Fractions Industrial Math: Decimals, Percentages, and Square Roots Industrial Math: Algebraic Operations, and Equations Industrial Math: Exponents, Radicals, and Scientific Notation Industrial Math: Geometry 1 Industrial Math: Geometry 2 and Trigonometry Industrial Math: Statistics and Uncertainty Principles

Intermediate

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Order 0= Any Order a, b, c= Order within group	WBT Certificate Program	WBT Content ILT = Instructor Led Training SB = Skill Builders (On-the-Job Training) All others are WBTs
4a	Introduction to Electrical and Instrumentation WBT Certificate	 Introduction to Electrical Concepts for Measurement Signal Types Instrumentation - Field Devices, Flow Computers and PLCs Wiring, Loops, Diagrams and Local Power Distribution Multimeters, Process Calibrators & HART Communicators
4a	Intermediate Liquid Measurement Technician WBT Certificate	 Coriolis Flowmeter Design for Liquids Coriolis Flowmeter Installation/Setup for Liquids Basics of Gas Chromatography Part 1 Basics of Gas Chromatography Part 2
5a	Intermediate Liquid Measurement Technician WBT Certificate	Gas Quality Instrumentation

Advanced

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Order 0= Any Order a, b, c= Order within group	WBT Certificate Program	WBT Content ILT = Instructor Led Training SB = Skill Builders (On-the-Job Training) All others are WBTs
6a	Advanced Liquid Measurement	Communication and Protocols 1
	Technician WBT Certificate	Communication and Protocols 2
		Instrumentation Systems
7a	Advanced Liquid Measurement	Basics of Control Valves
	Technician WBT Certificate	
9a	Advanced Liquid Measurement	Fluid Mechanics Fundamentals
	Technician WBT Certificate	
11	Advanced Liquid Measurement	Coriolis Liquid Flowmeter Proving and
	Technician WBT Certificate	Troubleshooting
		Basic Troubleshooting 1
		Basic Troubleshooting 2