

School of Gas Chromatography

Chromatography skills are essential because accurate sampling and analysis enable product valuation and quality control. This one-week training gives attendees a thorough grounding in the basics of gas chromatography and covers GPA Midstream analysis standards.

COURSE OVERVIEW

Organized and led by members of GPA Midstream's Analysis, Test Methods, and Product Specifications Committee, this hands-on curriculum is for chromatograph operators, measurement technicians and engineers. The lectures, demonstrations and chromatograph operation sessions emphasize machine demonstration and operation, including analysis of natural gas and natural gas liquid samples.

LECTURE TOPICS

- Characteristics and Calibration
- Column Technology and Types
- Computing Integrators and Gas Analysis
- Fundamentals of Natural Gas Chemistry
- Gas Calculation Procedures
- Liquid Calculation Procedures
- Condensate Analysis
- Obtaining NG Samples & Lab Handling
- Physical Constants of Paraffin Hydrocarbons
- Quality Control and Assurance
- Reference Standard Blends
- Resolving BTU Differences
- Safety Practices for Hydrocarbons in Cylinders
- Portable Chromatographs
- Sulfurs, Olefins and Other Contaminants

DEMONSTRATIONS

- Equipment
- Known Gas & Liquid
- Unknown Gas & Liquid
- Linearity

DATES & LOCATION

July 20-24, 2026
University of Texas-Arlington

EARLY REGISTRATION

ENDS JUNE 19

Members: \$1,025

Non-Members: \$1,500

REGULAR REGISTRATION

Members: \$1,500

Non-Members: \$2,050



More information: [GPA Midstream.org/education/chromatography-school/](https://GPAMidstream.org/education/chromatography-school/)

Email with questions support@gpamidstream.org.