Learning objectives
Upon completion of this course, the participants will be able to:
• Hardware installation
• Install and leak check sample tubing
• Identify hardware components
• Disassemble and reassemble primary GC components
• Set up PCCU32 software
• Use PCCU32 software for start up, maintenance, and calibration
• Set up various methods of local communication
• Chromatography: Basic Chromatography in the NGC/PGC1000
• Perform historical collection
• Set up Modbus® communication
• Sending Live Analysis to flow computer using the Therms application
• Portable GC Operation

Course description
This course will instruct the student in the basics of installation and operation of the NGC8200/PGC1000 gas chromatograph.

Topics
• Equipment installation and setup
• Analysis set up and manual peak find
• Collecting and saving data
• Save and Restore
• Flash using the 32-Bit Loader
• Reporting
• Calibration
• Validation
• Ethernet connectivity
• Local communication
• Modbus® communication
• Therms

Course type and methods
This is an instructor-led course with interactive classroom discussions, presentations, and practical exercises. At least 50% of this course is hands-on operation and lab activities.

Duration
The duration is 3 days – 8:30 a.m. to 4:30 p.m. each day. Doors open at 8:00 a.m local time. Laptops will be provided.

Prerequisites
Students attending this course should have basic knowledge of gas analysis and proficient computer skills.