OBJECTIVES OF THE COURSE

1. Understand Liquid Chromatography
2. Identify samples suitable for liquid chromatography
3. Select HPLC column
4. Identify parts of HPLC system and their functions
5. Learn Sample preparation
6. Create methods and sequences
7. Run samples and process results
8. Troubleshoot instruments
9. Learn general maintenance

CONNECT WITH US!

LinkedIn:
https://www.linkedin.com/pub/quincy-college-biotechnology-compliance/86/114/69

Facebook:
https://www.facebook.com/QCBiotechProgram

YouTube:
https://www.youtube.com/user/Quincycollege

HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) TRAINING COURSE

http://www.quincycollege.edu/btc
WHAT IS HPLC?
High-Performance Liquid Chromatography (HPLC) is a powerful analytical technique widely used to separate, quantify, purify, and identify molecules from compound mixtures. Most HPLC applications are found in testing food and biopharmaceutical products, identifying narcotics, and analyzing environmental pollutants.

WHO SHOULD ATTEND THE TRAINING?
- Researchers
- Laboratory Technicians
- Manufacturing Technicians
- Chromatography Instructors
- QC and QA Personnel
- Chemistry & Biology Students

TRAINING COURSE AGENDA

**DAY 1**
1. Short theory on liquid chromatography
2. Introduction to HPLC systems (hardware and software)
3. HPLC column types and selection
4. Mobile phase preparation
5. Hands on: Setting up system

**DAY 2**
1. Quick review of day one
2. Create methods and sequences
3. Run samples
4. Process results
5. Troubleshooting (peaks resolution & separation)
6. General maintenance

**DAY 3**
1. Review of day two
2. Participants repeat tasks from day two with assistance
3. Participants repeat tasks from day two without assistance
4. Troubleshooting instrument
5. General maintenance

FOR MORE INFORMATION
Kristin Cutaia
kcutaia@quincycollege.edu
Phone: 617-984-1756
Fax: 617-984-1793

NOW AT QUINCY COLLEGE
24 SAVILLE AVENUE
QUINCY, MA 02169

Quincy College
Plymouth, Quincy & Online