



HPLC Technical Training

Module Name: Columns and Hardware

Time Allocated: 1.5 - 2 hours

Intended Audience: This module assumes no previous liquid chromatography knowledge

Content Covers:

- Various degassing mechanisms available
- Filtering the sample and mobile phase
- How a HPLC degasser works
- How the dual piston HPLC works
- How an HPLC Autosampler works
- System connections
- Leak testing the system
- How a UV-VIS and Diode Array Detector works
- Data system setup

At the completion of this seminar, attendees should be able to:

- How to degas the sample and why this is a necessary procedure
- The importance of sample filtering on system performance and back pressure
- Inject manually into the LC using the proper technique
- Understand system connections and how to use these
- Prime the HPLC pump
- Understand the environment the HPLC is located and the relationship to system performance
- Optimize detector sensitivity