

**SAMPLE  
MASTER® LIMS  
INTERMEDIATE  
& ADVANCED  
BOOT CAMP  
COURSES**

**ACCELERATED TECHNOLOGY  
LABORATORIES, INC.**

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**ATLAB.COM**



**In** today's competitive environment, laboratories are searching for ways to leverage their technology investments, particularly their Laboratory Information Management Systems (LIMS) and reporting process. Once you've invested in ATL's Sample Master® solutions, one of your most prudent decisions is to provide in-depth, hands-on training for your database administrators and laboratory super-users.

For over 20 years, ATL has offered our customers **LIMS Boot Camp Training Courses** in an ongoing effort to actively support and fortify your investment. The objective of Boot Camp is to immerse students

in an environment where they will assimilate the knowledge and proficiency needed to successfully utilize ATL's Sample Master® product line — as well as ATL's other laboratory automation solutions — in order to meet or exceed the data management and reporting requirements in your laboratory.

**LIMS Boot Camp Training Course** is offered through either a 3-day intermediate session or a 2-day advanced session. Our instructors possess computer science and laboratory automation backgrounds, and are passionate about sharing their expertise with Boot Camp attendees. Sessions are lively and captivating, and students truly enjoy the experience.

## What attendees from all over the world are saying about Boot Camp...

*...I learned in five days what may have taken months!*

**LJ:** City of Clearwater  
Water Pollution Control  
Clearwater, Florida

*The trainers were extremely knowledgeable and made learning fun and easy. As a Chemist and not an IT person, the course provided me the fundamentals to configure Sample Master® and bridge that gap between Laboratory and IT functions.*

**ML:** Alcoa Intalco Works  
Ferndale, Washington

*The workbook exercises were very useful.*  
**BI:** Turnkey Solutions  
Cairo, Egypt

*The Advanced Course was awesome, especially on Customization of Reports in Sample Master®!*  
**AM:** Kenya Bureau of Standards  
Kenya, Africa

*The ATL trainers did an excellent job teaching the Sample Master® Pro LIMS fundamentals. The course provided an interactive, hands-on learning environment with real-world examples.*  
**BE:** Technology Laboratory, Inc.  
Fort Collins, Colorado



## SAMPLE MASTER® LIMS INTERMEDIATE BOOT CAMP

### COURSE DESCRIPTION

*This course will benefit everyday LIMS users, laboratory managers, chemists, microbiologists, IT workers, analysts — any team member whose job involves information technology, reporting, creation of QC charts, data processing, and management.*

*The focus of this intermediate course is to build upon existing knowledge and return users to the workplace equipped with the skill set to leverage the utmost functionality from LIMS and provide maximum benefit and return to your organization. **The Intermediate course is a prerequisite for the 2-day Advanced LIMS Boot Camp.***

### INCLUDED WITH INTERMEDIATE BOOT CAMP REGISTRATION

- A comprehensive LIMS workbook (PDF)
- Glossary of LIMS Terms
- A Certificate of Achievement

**Many Sample Master® LIMS users have successfully completed the initial on-site core training that provides an introduction to the fundamentals of the LIMS functionality. The Intermediate course is designed to provide a deeper understanding of the LIMS functionality of each feature-rich module, for the everyday user as well as the super-user.**

### COURSE CONTENT

- Overview of the features and functions of Sample Master® LIMS.
- Basic use of Sample Master® LIMS.
- Multiple methods of logging samples into Sample Master® LIMS.
- Configuration of the Sample Master® Maintenance Module and utilization of the task manager.
- Configuration of the Sample Master® Sample Tracking Module and population of the pull-down menus, form captions, and reports.
- Setting up the Sample Master® Data Entry Module.
- Capability of additional features, such as e-mail and scanner functionality.
- Setting up the Sample Master® Sample Scheduling Module for routine collection or studies.
- Configuration of the Sample Master® QA/QC Module.
- Configuration of the Sample Master® Electronic Data Transfer Module for instrument integration or electronic data.
- Setting up Sample Master® Chemical Inventory Module, including vendors, supplies, lot number, etc.
- Configuration of the Sample Master® Resource Management Module, to track instrument repairs, maintenance, calibration, and employee training records on courses completed to date.
- Setting up the Sample Master® Customer Relationship Module.
- Introduction to performing basic LIMS Administrative Tasks.
- Introduction to basic query concepts and minor modifications of included reports.
- Demonstration of integrating and automating customizations.
- Introductory Sample Master® LIMS Customization.



## SAMPLE MASTER® LIMS ADVANCED BOOT CAMP

The Advanced Course is designed to leverage the skills learned in the Intermediate Course and to introduce students to the numerous possibilities of the configuration and customization potential of the system. The course requires that students have a basic understanding of Visual Basic or Microsoft Access, which will be required to participate in the class exercises and lesson plans.

### COURSE CONTENT

#### BASIC LIMS CUSTOMIZATION REVIEW

- Modifying an Existing Sample Master® Report
- Creating a Sample Master® Custom Report
- Automating a Sample Master® Custom Report
- Adding Tables
- Adding Queries
- Creating Custom Screens
- Adding Functions to Sample Master® Main Menu
- Modifying Sample Master® Forms Menus

#### USING SORTING & GROUPING AND CALCULATING AVERAGES ON REPORTS

- Sorting & Grouping
- Built-in Mathematical Functions in Access Reports
- Creating a Report with Sorting & Grouping and Statistics

#### USING SUB REPORTS IN SAMPLE MASTER® LIMS

- Sub Reports Review
- Creating a Report with a Sub Report
- Multiple Sub Reports on a Single Report

#### INTRODUCTION TO CROSSTAB QUERIES AND REPORTS

- Crosstab Queries Review
- Dynamic Crosstab Query
- Crosstab Queries as Data Sources for Reports

#### CREATING STATIC CROSSTAB REPORTS IN SAMPLE MASTER® LIMS

- Crosstab Report Limitations in Action
- Creating a Crosstab Report using Static Column Headings

#### INTRODUCTION TO VB RECORDSETS

- Variables in Visual Basic
- Properties and Methods of Recordset Variables
- Types of Recordsets
- Using a Recordset in Code

#### USING RECORDSETS TO CREATE DYNAMIC CROSSTAB REPORTS

- Dynamic Crosstab Report Review
- Making the COABBySample\_Crosstab Report Dynamic

#### PUTTING AUTOMATION TO WORK FOR THE LABORATORY

- Create an "Exceptions" Report
- Create an export of this report
- Automate the report's exporting

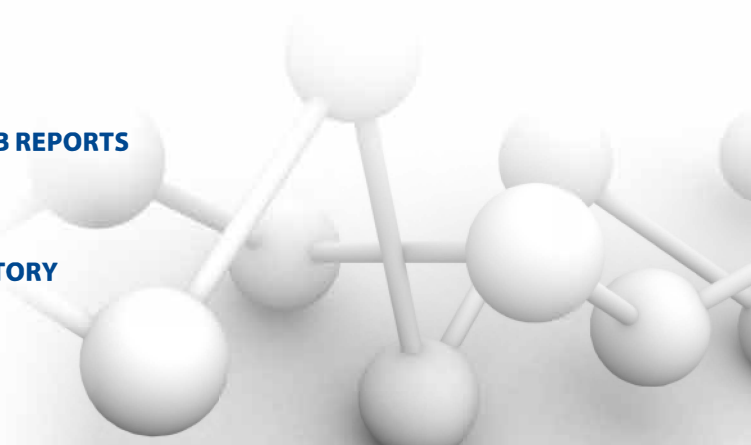
### COURSE DESCRIPTION

*This Advanced Course will benefit LIMS administrators, super-users, and laboratory IT professionals that support the laboratory via custom report creation, modifications, and overall database management.*

*Building upon the knowledge base established in the Intermediate Course, the focus is on sending users back to the workplace equipped with skillsets to automate routine system tasks via the task manager, plus build new reports and integrate new forms into the LIMS.*

### INCLUDED WITH ADVANCED BOOT CAMP REGISTRATION

- A comprehensive LIMS workbook (PDF)
- Certificate of Achievement





You may also register online: [atlab.com/services-training/boot-camp/](http://atlab.com/services-training/boot-camp/)

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Which Sample Master® product are you using:

Version: \_\_\_\_\_

How long have you used Sample Master®:

What is your role related to Sample Master®:

Once ATL receives your completed Boot Camp registration, we will be following up via email with an invoice and a weblink that will allow you to securely pay online with **Visa/MasterCard/American Express/EFT/Govt P-Card**. We can also accept payment by check. Payment is due prior to the start of the class. Upon registration, you will receive a packet with more information on your upcoming Boot Camp.

If you have any questions please contact ATL at 1.800.565.LIMS (5467) or ***info@atlab.com***

**Return completed registration to:  
Training Class Coordinator**

Accelerated Technology Laboratories, Inc.  
Fax: 910.673.8166  
Email: [info@atlab.com](mailto:info@atlab.com)  
496 Holly Grove School Road  
West End, NC 27376

**September 25-27, 2023**

Sample Master®  
Workstation 3-Day  
Intermediate Course  
\$3,500

**September 28-29, 2023**

Sample Master®  
Workstation 2-Day  
Advanced Course  
\$2,500

## ACCELERATED TECHNOLOGY LABORATORIES, INC. TRAINING CLASS TERMS AND CONDITIONS

These conditions apply to training courses offered by Accelerated Technology Laboratories, Inc. Any questions regarding these Terms and Conditions or the registration process should be addressed to the Training Class Coordinator at 910.673.8165.

**Registration:** Accelerated Technology Laboratories, Inc. handles course registrations on a first come, first-served basis. In order to confirm a course registration, Accelerated Technology Laboratories, Inc. must have the following items for each course registrant:

- A completed course registration form
- A purchase order, credit card, check, or original training tuition certificate for the full tuition amount.
- Completed registration forms and tuition payments should be sent to the training manager at Accelerated Technology Laboratories, Inc.

*\* Please note that we do not accept registrations by telephone. Written confirmation will be provided for each course registrant within two weeks of receipt of registration.*

**Cancellations:** Accelerated Technology Laboratories, Inc. must receive written course cancellations at least ten (10) working days prior to the published course commencement date in order to avoid charges. All cancellations received less than ten days in advance of the course commencement date will be subject to the full course tuition amount. Registrants who fail to attend are liable for the full tuition amount.

Accelerated Technology Laboratories, Inc. reserves the right to reschedule any course and to change instructors if necessary. In the event of such cancellation Accelerated Technology Laboratories, Inc. will credit 100% of all paid tuition but will not assume responsibility for any airfare penalties or other travel costs.

**Substitutions:** Substitution of registrants from the same company can be made up to 3 days prior to the first day of class without penalty.

**Payment Terms:** All course tuition fees are due in full prior to the start of the training class or the student(s) may not be admitted.