



**SAMPLE
MASTER® LIMS
INTERMEDIATE
& ADVANCED
2012 BOOT CAMP
COURSES**

**WINTER PROGRAM
MARCH 5-9, 2012
ABERDEEN, NC**

**SUMMER PROGRAM
SEPTEMBER 17-21, 2012
ABERDEEN, NC**

**ACCELERATED TECHNOLOGY
LABORATORIES, INC.**

**496 HOLLY GROVE SCHOOL ROAD
WEST END, NC 27376**

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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 a decade, 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

Dr. Joanne Dussourd completed her undergraduate education in Biological Sciences, and received her PhD in Physiology at Cornell University in New York. Dr. Dussourd also holds a BS degree in Computer science from the University of Central Arkansas, with a 4.0 GPA. She is currently a Sr. Software Engineer and instructor at ATL, Inc. Following her doctoral work, she served as a visiting Professor at Duke University in North Carolina, a Research Associate and Laboratory Manager at the University of Maryland at College Park, MD and an Instructor at the University of Central Arkansas for 6 years. While at the University of Maryland she taught various lecture and laboratory courses and managed a research laboratory. At the University of Central Arkansas she taught laboratory courses in both physiology and computer science. Joanne brings a unique combination of over 22 years of laboratory and computer science expertise to effectively train on laboratory information management.



Dr. Joanne Dussourd

Chuck Hindbaugh has over 17 years of laboratory/LIMS experience and he is the Implementation Services Team Leader at ATL, Inc. Chuck received his Bachelors of Science Degree from Eastern Michigan University in Biochemistry and Toxicology. Chuck worked as a Chemist, starting in wet chemistry and then moving to more sophisticated analysis where responsibilities included measuring environmental contaminants from a variety of sample matrices including water, wastewater, soil, sludge, and air. He was responsible for managing and maintaining several analytical instruments, including a FLAA, GFAA, ICP, Cold Vapor Mercury, as well as a GC, and GC/MS. Before joining ATL, Inc., Mr. Hindbaugh served as Quality Manager and Laboratory Manager for several years, where he was responsible for managing all aspects of the laboratory from field sampling, analytical testing, project management, regulatory compliance, resource management and workplace safety. Mr. Hindbaugh has expertise in the following areas: NELAP/NELAC, and A2LA using ISO/IEC 17025. He has been invited to speak on LIMS and laboratory automation and presented numerous talks and papers at key environmental conferences, such as Pittcon, NEALC and AWWA WQTC. He is an ATL Certified Trainer with over 12 years of experience teaching users to operate, manage and maintain LIMS.



Chuck Hindbaugh

Howard Rhyne is Director of Support and Customer Fulfillment and a Sample Master® LIMS Certified Trainer with over 25 years of industry experience in software design and development. In addition to his years of experience at ATL, Howard has worked for fortune 500 firms in the healthcare data management and information technology services industry. He held senior IT positions working for HBOC, McKesson – empowering healthcare and American Express. During this time Howard managed and worked with development teams responsible for all aspects of Healthcare Information Systems including Patient Financial, Patient Care, and Laboratory Data Management modules. The combination of Howard's industry expertise, computer programming expertise, patience and desire to assist clients in better managing their laboratory data makes him an excellent instructor.



Howard Rhyne





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 400+ page LIMS workbook
- Supplemental text: Introductory Microsoft Access Textbook
- Three networking luncheons
- Glossary of LIMS Terms
- A Certificate of Achievement

3-DAY COURSE DATES AND FEES

- **March 5-7, 2012**
- **September 17-19, 2012**
- First registration from your organization: \$2,995.00
- Each additional registration from your organization: \$2,595.00

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

- How to leverage the features and functions 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 Sample Master® Data Entry Module.
- Capability of additional functionalities, such as e-mail and scanner functionality.
- Setting up 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.
- Sample Master® Database Administration and introduction to basic configuration and customization.
- Introduction to performing basic LIMS Database Administrative Tasks.
- Introduction to basic query concepts and minor modifications of included reports.
- Introduction to new Screens (Form) Design and Programming in Sample Master® LIMS.
- Beginning Reports Design and Programming.
- Introductory Sample Master® LIMS Customization.

SAMPLE MASTER® LIMS ADVANCED BOOT CAMP

The advanced class is designed to leverage the skills learned in the intermediate class 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 and 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 CROSTAB QUERIES AND REPORTS

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

CREATING STATIC CROSTAB 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 CROSTAB REPORTS

- Dynamic Crosstab Report Review
- Making the COABySample_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. This course is a prerequisite for the 2-day Intermediate Report Writing Course.

INCLUDED WITH ADVANCED BOOT CAMP REGISTRATION

- A comprehensive 150+ page LIMS workbook
- Supplemental text: Advanced Microsoft Access Textbook
- Two networking luncheons
- Supplemental CD
- A Certificate of Achievement

2-DAY COURSE DATES AND FEES

- **March 8-9, 2012**
- **September 20-21, 2012**
- First registration from your organization: \$1,995.00
- Each additional registration from your organization: \$1,595.00

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®:

Credit Card Type: Visa Mastercard American Express

Credit Card Number: _____

Expiration Date: _____ CID: _____

Purchase Order Number: _____

Total Amount Charged: _____

Date: _____

Signature: _____

Return registration and payment information to:

Training Class Coordinator

Accelerated Technology Laboratories, Inc.

Fax: 910.673.8166

Email: info@atlab.com

496 Holly Grove School Road

West End, NC 27376



WINTER

March 5-9, 2012

3-Day Sample Master® LIMS
Intermediate Course (3/5-3/7)

■ **\$2,995.00**

2-Day Sample Master® LIMS
Advanced Course (3/8-3/9)

■ **\$1,995.00**

SUMMER

September 17-21, 2012

3-Day Sample Master® LIMS
Intermediate Course (9/17-9/19)

■ **\$2,995.00**

2-Day Sample Master® LIMS
Advanced Course (9/20-9/21)

■ **\$1,995.00**



TRAVEL INFORMATION

HAMPTON INN & SUITES

200 Columbus Drive
Aberdeen, North Carolina
Phone: (910) 693-4330
Fax: (910) 693-4329

Reservations must be made directly with the hotel. Training class reservation fees do not include room charges. ATL has negotiated a reduced room rate for all LIMS training class attendees, be sure to mention the class.

LOCAL AIRPORTS

Raleigh International
Airport (RDU)

Greensboro (GSO)

Fayetteville (FAY)

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 directly 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 cancel or 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.

Accommodations: Accelerated Technology Laboratories, Inc. is conducting Sample Master® LIMS Training Classes at the Hampton Inn & Suites in Aberdeen, North Carolina. Accommodations are the responsibility of the Registrant, Accelerated Technology Laboratories, Inc. will not be involved in or have any control over securing such accommodations, and will not accept any responsibility whatsoever in connection with the provision of such accommodations. However, Hampton Inn & Suites has offered ATL Sample Master® Training class attendees a substantial discount for rooms at the Hampton Inn & Suites. Ask for the "ATL Training Course" rate.

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.