This course combines one day of essential pharmacy calculations followed by two days of lectures and hands-on laboratory training. The overall goal of the calculations portion is to provide the pharmacist and technician with a review of the calculations they will need to master in order to prepare the variety of medications their patients may need accurately. The lecture and hands-on portion is to provide the participant with a theoretical and practical basis on which to build a successful non-sterile compounding practice which complies with current requirements for good compounding practice. The instruction focuses on the proper preparation of fundamental dosage forms utilized by pharmacies which are compounding medications for their patients. The program is structured to demonstrate skills that can be immediately implemented by participants with minimal or no experience, as well as those wishing to update their compounding skills.

Upon completion of this program, the participant will be able to:

- Demonstrate how to perform needed calculations.
- Identify the most appropriate calculation method to use.
- Review and check calculations of other pharmacists/technicians.
- Perform basic pharmaceutical calculations required to accurately compound various non-sterile dosage forms.
- Know the importance of the Triad of Care essential to the proper delivery of extemporaneously compounded medications.
- Accurately and effectively use the various pieces of equipment available to compounding practices.
- Dispense compounded medication accurately and efficiently by choosing and properly using available molds and dispensing devices.
- Describe possible approaches to marketing.
- Identify and use drug and compounding specific references required for documentation of the Master Formulation Record.
- Demonstrate their ability to compound each of the following dosage forms using appropriate techniques:
  - Solutions & Suspensions, Creams, Ointments, Gels & Lotions, Solid Dosage Forms (including suppositories and troches), Capsules & Tablets, Lip balms, Lollipops and other Novel Dosage Forms.
Optional Class Dates:
- Wed-Fri, March 4-6, 2015

Class Schedule:

Day One
- 8:00 am – 8:30 am Introduction & Overview
- 8:30 am – 9:00 am Review: Ratio & Proportion Calculations
- 9:00 am – 9:15 am Break (No CE)
- 9:15 am – 11:00 pm Review: Fraction & Decimal Calculations
- 11:00 pm – 12:00 pm Review: Osmolarity and Isotonicity
- 12:00 pm – 1:00 pm Lunch (No CE)
- 1:00 pm – 1:30 pm Review: Osmolarity and Isotonicity
- 1:30 pm – 2:30 pm Review: Dilution and Concentration of components
- 2:30 pm – 2:45 pm Break (No CE)
- 2:45 pm – 4:00 pm Review: Aliquots & Milliequivalent Calculations

Day Two
- 8:00 am – 9:00 am Introduction, Overview and Discussion: What IS compounding anyway?
- 9:00 am – 9:15 am Break (No CE)
- 9:15 am – 12:00 pm Solutions and Suspensions
- 12:00 pm – 1:00 pm Lunch and discussion (No CE)
- 1:00 pm – 2:30 pm Capsules and Tablets
- 2:30 pm – 2:45 pm Break (No CE)
- 2:45 pm – 4:30 pm Solid dosage forms: Suppositories/Troches and Lozenges/Gummies
- 4:30 pm – 5:00 pm Preparation of “stock” solutions and vehicles

Day Three
- 8:00 am – 8:30 am Discussion: Topical vs. Transdermal
- 8:30 am – 9:30 am Gels
- 9:30 am – 10:30 am Creams, ointments and lotions
- 10:30 am – 10:45 am Break (No CE)
- 10:45 am – 11:30 pm Demonstration of Unguator, Ointment
- 11:30 pm – 12:15 pm Discussion on Marketing Compounding Services
- 12:15 pm – 1:15 pm Lunch (No CE)
- 1:15 pm – 2:15 pm Novel dosage forms: Lip Balms, Lollipops, etc.
- 2:15 pm – 2:30 pm Break (No CE)
- 2:30 pm – 3:30 pm SOPs for Use and Care of Equipment and Supplies
- 3:30 pm – 4:30 pm References and Regulations
- 4:30 pm – 5:00 pm Wrap-up Discussions and Questions

To Register for this class:
Visit www.letcomedical.com then click on Training and Education tab.

or contact Letco Medical at:
Meghan Stevenson
Letco Medical
Phone: 734.843.4696
Fax: 734.843.7696
Toll-free: 877.LETCORX (538-2679)
email: mstevenson@letcomedical.com

Training Location:
ACA National Training Laboratory
2830 Summer Oaks Drive
Bartlett, TN 38134

Cost: $1295.00
Max Class Capacity: 12 students

Cancellation Policy:
30+ days before event - Full Refund
29-14 days before event - 50% Refund
13-1 days before event - No Refund

Fundamental Compounding and Calculations, an application-based course, has been approved for 21 contact hours (2.1 CEUs) of continuing education credit being obtained in the live programming with ACPE Universal Activity Numbers 0201-0000-15-004-L01-P/T. These UAN have an initial release date of 1/1/2015 and an expiration date of 1/1/2018. Attendees will be required to complete an evaluation form at the completion of the program. Attendees requesting CE will be required to provide their NABP e-Profile ID and birthdate (MMDD) to receive credit for any ACPE-accredited CPE session. The American College of Apothecaries, Inc. is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.