International Clinical Laboratory Scientist Certification Training Program

Program Director
Dr. Hassan Azzazy

Program Committee
Dr. Magdy El Ekiaby, Dr. Hend El Sherbini, Dr. Moamena Kamel and Dr. Gabriel Defang

20.2.2615.4333
ess@aucegypt.edu
www.aucegypt.edu/sse/ess
Program Description
This program involves four training modules in clinical chemistry, hematology, microbiology and transfusion medicine. Each module runs for ten weeks with one 3-hour lecture per weekend and two laboratory training sessions (4 hours each). It also includes two weeks of phlebotomy training and concludes with two weeks of capstone sessions using clinical case studies to prepare candidates for the ASCPi certification exam.

Admission Criteria
• A baccalaureate degree from a nationally or regionally accredited college or university that included courses in biological sciences, chemistry and mathematics.
• English competency: All candidates are expected to pass a technical English admission test.
• Previous practical experience in clinical laboratories is preferred.

Fellowships
A number of full or partial fellowships are available for highly qualified candidates.

Routes for Certification as an International Clinical Laboratory Scientist:

Route 1: A baccalaureate degree in medical technology*, biological science, or chemistry from an accredited/approved** educational institution and complete a Medical Laboratory training program**

Route 2: A baccalaureate degree in medical technology* from an accredited/approved** educational institution and three years of experience including all aspects of the clinical laboratory in an accredited/approved*** laboratory facility

Route 3: Baccalaureate degree from an accredited/approved** educational institution and successful completion of a minimum two-year Medical Laboratory program

Route 4: A baccalaureate degree in any biological science or chemistry from an accredited/approved** educational institution and five years of experience including all aspects of the clinical laboratory in an accredited/approved*** laboratory facility

Route 5: Baccalaureate degree from an accredited/approved** educational institution and minimum two-year diploma or equivalent in any biological science or chemistry from an accredited/approved** educational institution and five years experience including all aspects of the clinical laboratory in an accredited/approved*** laboratory facility.

* Degrees/diplomas in medical technology include medical technology, medical laboratory science, clinical laboratory science, and biomedical laboratory science.
** Accredited/approved by a governing regulatory association or Ministry. Countries without a prevalent system of accreditation/approval must have programs/educational institutions approved by an International Advisory Board appointed by the ASCP Board of Certification, or eligibility will be determined by transcript evaluation. The baccalaureate degree must be equivalent to a U.S. baccalaureate degree.
*** Laboratory accredited by JCI, CAP, under ISO 15189 or authorized by a governing regulatory association or Ministry. Countries without a prevalent system of accreditation must have laboratories approved by an International Advisory Board appointed by the ASCP Board of Certification.

Career Outlook for Certified Clinical Laboratory Scientists
The U.S. Bureau of Labor Statistics estimates a 14 percent growth rate in the employment of clinical laboratory works from 2006 to 2016. This is faster than average for all other occupations. The increased demand for laboratory works is driven by population growth and the development of new laboratory tests. In 2009, the ASCP Wage and Vacancy Report showed that the laboratory workforce shortage has reached crisis levels and the average salary of a full-time medical technologist is estimated at $47,000 in the US.

Certified clinical laboratory scientists are hired in medical and diagnostic laboratories and physician offices. Hospitals are also projected to be the major employers. Experienced lab technologists have opportunities to advance into supervisory positions.

They also may become chief clinical laboratory technologists and laboratory managers in hospitals. A graduate degree in medical technology, chemistry, biological sciences, education or management along with professional certification typically speeds up career advancement.

Laboratory Training Sites
• Clinical chemistry and hematology: Al-Mokhtabar Laboratories
• Microbiology: U.S. Naval Medical Research Unit No. 3 (NAMRU)
• Transfusion Medicine: Shabrawishi Hospital

Program Committee
Dr. Hassan M. E. Azzazy
Program Director and Professor Leader of the Novel Diagnostics and Therapeutics Group at the AUC
Dr. Hend El Sherbini
CEO, Al-Mokhtabar Laboratories
Dr. Magdy El Ekiaby
Head of Blood Bank Unit, Shabrawishi Hospital, Dokki, Cairo
Dr. Moamena Kamel
Chairman, Al-Mokhtabar Laboratories
Dr. Gabriel Defang, PhD, M(ASCPi)
Head, Viral and Zoonotic Diseases Research Program
U.S. Naval Medical Research Unit No. 3, Cairo, Egypt

Registration and Contact Information
Total cost per student is LE 11,000 for Egyptians/$3,000 for non-Egyptians. The fee should be paid in cash at the ESS New Cairo office or by check payable to AUC. For more information, call 20.2.2615.2559 or email ess@aucegypt.edu.