Beaumont Health

Beaumont Laboratory

SCHOOL OF MEDICAL LABORATORY SCIENCE
Department of Clinical Pathology, Beaumont Hospital, Royal Oak

Program Mission, Goals and Student Learning Outcomes

PROGRAM MISSION:

The primary mission of the School of Medical Laboratory Science is to provide a clinical educational program of merit and thoroughness which reflects the high standards of patient care established at Beaumont Health.

More specifically, the Beaumont School of Medical Laboratory Science will:
1. Provide instruction in the application of theory and ethical practice of clinical laboratory science.
2. Prepare baccalaureate level graduates in accordance with the career entry description in the Standards of Accredited Educational Programs for the Medical Laboratory Scientist, provided by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), as well as the current certification content of the American Society for Clinical Pathology Board of Certification (ASCP BOC).
3. Provide clinical laboratory experiences for students to become competent members of the health care team and to recognize their responsibility and importance in that role.
4. Provide educational activities that allow students to enhance their skills and knowledge in planning, delivering, and evaluating effective instruction to other healthcare personnel.
5. Provide educational activities that allow students to enhance their skills and knowledge of quality assurance, performance improvement, laboratory operations, and information technology.
6. Promote professional continuing education in medical laboratory science by encouraging graduates to seek opportunities that will enable them to contribute and develop into proficient professionals.

PROGRAM GOALS:

The program’s goals are to graduate individuals who:
- are competent, entry-level laboratory professionals;
- own and energize the Beaumont Standards of Service, Ownership, Attitude and Respect;
- recognize the role of the medical laboratory scientist in the assurance of high quality, efficient, and accessible health care services to patients;
- possess a commitment to continuing medical laboratory education; and
- contribute to the improvement of laboratory services and processes to meet the challenges of the changing health care environment.
PROGRAM STUDENT LEARNING OUTCOMES (GRADUATE COMPETENCIES):

Upon program completion, students will be expected to demonstrate:

1. entry-level competency to perform laboratory testing in a state-of-the art clinical laboratory. This includes pre-analytical, analytical and post-analytical components of laboratory services in the disciplines of chemistry, hematology/hemostasis, immunohematology, immunology, microbiology, molecular pathology, urinalysis & body fluid analysis and point-of-care testing.

2. entry-level competency to interpret and problem-solve laboratory test results and utilize statistical methods to evaluate data, when necessary.

3. the application of safety and government regulations and standards as applied to medical laboratory practice, including competency assessment and proficiency testing.

4. professional conduct that includes respecting the confidentiality, privacy, and diversity among patients and the healthcare team as well as displaying appropriate composure under stressful conditions.

5. appropriate skills to communicate laboratory test information to the healthcare team, patients and the public.

6. basic knowledge of laboratory operations including the practice of administration, personnel management, quality assurance, patient safety, and financial resource management.

7. ability in education methodology principles to appropriately instruct consumers and providers of laboratory services and to appreciate the importance of continuing professional development.

8. LEAN and Kaizen principles in regards to quality assurance, performance improvement and patient safety activities within the clinical setting.

Sources:

- Beaumont MLS Program Faculty Expectations, February, 2016
- MLS competencies from the NAACLS Standards for Accredited and Approved Programs – MLS Standard VIII Matrix, October, 2015