



Course Description

MLT2810L | Hospital Practicum: Chemistry | 3.00 credits

A supervised laboratory rotation in a clinical chemistry facility. The development of interpersonal skills the transition from student to professional are emphasized. This provides the student an opportunity for the practice of skills previously learned and for the acquisition of new procedural skills. Prerequisites: MLT2620, 2620L, 2624L; corequisite: MLT2930.

Course Competencies:

Competency 1: The student will demonstrate the ability to apply the guidelines read in the clinical chemistry procedure manuals of the laboratory by:

1. Processing specimens for clinical analysis
2. Performing chemistry testing in chemistry analyzers
3. Performing accurate calibration of chemistry analyzers
4. Performing accurate and precise quality control analysis
5. Performing preventive maintenance of the chemistry analyzers
6. Performing and reporting STAT's in a timely manner
7. Calling panic values

Competency 2: The student will demonstrate knowledge, comprehension and application of safety by:

1. Wearing gloves while performing lab testing
2. Handling biohazard material and samples according to OSHA guidelines
3. Disposing of biohazard waste in the appropriate containers

Competency 3: The student will demonstrate the ability to apply the guidelines read in the Urinalysis procedure manuals of the laboratory by:

1. Processing specimens for clinical analysis
2. Performing urinalysis in analyzers and manually
3. Performing accurate calibration of urinalysis instruments
4. Performing accurate and precise quality controls analysis
5. Performing preventive maintenance of the urinalysis instruments
6. Performing and reporting STAT's in a timely manner
7. Calling panic values

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Formulate strategies to locate, evaluate, and apply information
- Create strategies that can be used to fulfill personal, civic, and social responsibilities
- Describe how natural systems function and recognize the impact of humans on the environment