

Aim and Objectives of the Pathology Laboratory Techniques Program

Program Aim

The Pathology Laboratory Techniques Program was established within the Vocational School to train qualified technicians who can effectively use hand–eye coordination, understand and adhere to professional ethical principles, keep abreast of developments in their field, and perform all technical procedures required to prepare tissue and body-fluid specimens for microscopic examination in pathology laboratories.

Program Objectives

The program aims to enable students to:

1. Acquire theoretical knowledge in basic medical sciences, including anatomy, physiology, histology, and cytology, as well as in subjects related to pathology laboratory techniques.
2. Identify and appropriately use the equipment, instruments, chemicals, and devices employed in pathology laboratories.
3. Understand the organization, operation, and workflow of pathology laboratories.
4. Assist the pathologist during gross examination and dissection procedures.
5. Prepare tissue and body-fluid specimens for microscopic examination.
6. Ensure their own safety and the safety of their colleagues in practical working environments and work effectively as part of a team.
7. Anticipate problems that may arise in the laboratory and develop appropriate solutions.
8. Communicate their knowledge, skills, and opinions on field-related matters effectively through written and oral communication.
9. Adhere to social, scientific, cultural, and ethical values during the collection and application of field-related data and the processing and evaluation of results.