

MEDICAL LAB TECHNICIAN

PROGRAM LEARNING OBJECTIVES

- Students will gain an understanding of hematology, hematopoiesis, blood cells, hemostasis, cell counts and both red blood cell and white blood cell disorders
- Introduces instruction in theory, practical application and pathogenesis of clinical microbiology. Covers the collection, setup, identification, susceptibility testing and reporting procedures.
- Laboratory exercises will include emphasis on the identification of clinically significant microorganisms. Students will participate in Standard Microbiology testing, including the culture, staining, and antibiotic testing of various organisms.
- Be able to identify how immunology as a science began, to observe and discuss the many systems and disorders within the immune system and to practice the technique and principles in laboratory testing and discover how to apply that knowledge in actual cases.
- Learn theory, practical application and pathogenesis of clinical microbiology. Learn to collect, setup, identify and practice susceptibility testing and reporting procedures. Emphasis on identification of clinically significant microorganisms.
- Participate in standard microbiology testing, including culture, staining and antibiotic testing of various organisms.
- The student will have a working knowledge of immunohematology including blood and blood components, principles of testing, blood group and HLA typing, transfusion practices, clinical conditions, quality assurance and regulatory issues and other management processes.