

In the *Clinical Laboratory Science CPU*, students perform classroom laboratory activities and apply knowledge and skills in a health care diagnostic setting. Collection, labeling, and processing of artificial samples of body fluids and tissues for laboratory assessment are performed by the students. All activities guide students through safe and appropriate use of equipment and supplies, as outlined by the standards of the health care profession.



Areas Covered

- ◆ Anatomy and physiology
- ◆ Laboratory safety concepts
 - Mathematical principles
 - Conversions
 - Averaging
 - Statistics
- ◆ Determine proper phlebotomy procedures
- ◆ Blood typing using simulated blood samples
- ◆ Genetic engineering principles and procedures
- ◆ Genetics
- ◆ Biology
- ◆ Record keeping
- ◆ Legal and ethical scenarios
- ◆ Biology
- ◆ Skills and knowledge to aid students in various HOSA competitions



Career Pathway Unit Includes:

Clinical Lab CD with a Digital Instructor's Overview Booklet, Beaker, Blood Typing Kit, Skills Cart™, Clinical Laboratory Assistant/Phlebotomist Textbook, Comprehensive Microscope, DNA Replication and Transcription Set, Genetics CD, IV Trainer, Medical Dictionary, Medical Laboratory Procedures Text, Viruses CD