EMPLOYABILITY PROFILE
Clinical Laboratory Technology

Industry Based Skill Standards

Proficiency Definitions

NA = Not Applicable **1 = Introduced** **2 = Trained** **3 = Trained/Skllled** **4 =Industry Level Certification/ Mastery**

	9th	10th	11th	12th
Introduction to Clinical Laboratory Technology				
Describes organizational structure of the clincal laboratory. Defines responsibilities, educational and creditialing requirements for laboratory personnel. Identifies areas of employment for laboratory technicians				
The Clinical Laboratory				
Identifies departments within the clinical laboratory and pathology and commonly performed tests in the various departments				
Legal/Ethical Responsibilities				
Defines informed consent. Explains patient confidentiality/HIPAA and how it protect patient's rights and privacy. Defines standard of care. Demonstrates characteristics of professional behavior.				
Infection Control Practices				
Demonstrates proper handwashing and glove removal techniques. Identifies steps to avoid transmission of Bloodborne Pathogen. Demonstrates use of proper PPE. Disposes of sharps and biohazard waste appropriately. Prepares a 10% bleach solution. Explains the chain of infection and				
Maintaining/Promoting a Safe Laboratory Enviroment				
Identifies key aspects of biological, chemical, and fire safety as it pertains to the clinical laboratory. Interprets SDS, GHS chemical labeling and NFPA hazard rating labels				
Venipuncture				
Identifies components of vacuum tube system, various types of vacuum tubes and anticoagulants. Demonstrates the correct "order of draw". Describes patient identifcation process. Identifies appropriate & alternative sites for venipuncture. Demonstrates how to apply a tourniquet and decontamination process. Performs three methods of venipunctures. Performs a capillary puncture				
Specimen Collection				
Describes the difference between whole blood, serum, & plasma. Demmonstrate knowledge of urinary & other body fluids necessary to perform specimen collection tasks. Explains various types of urine collections. Explains information to patients for specimen				
Customer Service Skills				
Demonstrates effective communication skills verbally, non-verbally and written. Demostrates problem solving techniques with workplace conflicts. Demonstrates active listening skills ,empathy and compassion with patients.				
Data entry				
Completes a patient requisition. Accurately enters patient demographics and insurance. Accurately enters test and diagnosis information.				

	9th	10th	11th	12th
Compound Microscope				
Demonstrates correct use and focusing techniques. Demonstrates proper care and storage of microscope.				
Specimen Processing				
Demonstrates proper maintenance, usage and safe operation of centrifuge. Understands time contraints of specimens. Demonstrates proper specimen processing, labeling and aliquoting of				
Urinalysis				
Performs a physical and chemical exam of urine. Intreprets results of chemical exam. Prepares specimen for microscopic exam of urine. Performs a urine HCG.				
Circulatory System				
Applies medical terminology appropriately. Describes structures and functions of heart. Identify and describe cellular and non-cellular components of blood. Describe structures and functions of blood vessels. Locate and name veins most commonly used for venipuncture.				
Hematology				
Identifies proper specimen for hematological testing. Performs and intrepret results of Hct and Hgb specimens. List reference values for Hgb and Hct specimens. Properly prepares and stains a blood smear. Identifies five normal leukocytes. Demonstrates				
Immunohematology				
Performs a slide ABO/Rh blood typing procedure.				
Microbiology				
Demonstrates proper streaking techniques of culture media. Prepares and gram stains specimens. Identifies gram postive and gram negative organisms. Performs a rapid tests for Group A Streptococcus and Mononucleosis.				
Chemistry				
Performs basic chemistry panels using Piccolo analyzer. Performs glucose testing using a hand-held analyzer. Understanding of chemistry reference values. Demonstrates knowledge of quality control measures on instrumentation.				

Industry Certifications Attained	**Yes**
ASCP Certification	

College Credits Attained		Yes
SUNY Broome CLT 110	1 CH	
SUNY Broome CLT 120	1 CH	
SUNY Broome CLT 204	3 CH	
Total		