

Ever wonder what happens to your  
blood tubes after you've had your  
blood drawn?



# What is the Clinical Laboratory?

- ▶ Department of the hospital where blood and other body specimens are processed for testing
- ▶ Routine wellness testing
  - ▶ Urinalysis
- ▶ Screening for diseases
  - ▶ Cardiac Risk Profile
- ▶ Diagnosing diseases
  - ▶ Glucose Tolerance Test

## Specific Departments

- ▶ Chemistry
- ▶ Hematology
- ▶ Coagulation
- ▶ Microbiology
- ▶ Immunology/  
Serology
- ▶ Urinalysis
- ▶ Blood bank

# Medical Laboratory Technician

- ▶ Also known as clinical laboratory technician
- ▶ 2 year associates degree
- ▶ Performs wide range of laboratory tests
- ▶ Nationally certified

# Job Outlook – US Bureau of Labor Statistics

- ▶ **Phlebotomists** – expected to grow by 25% from 2014-2024
  - ▶ Median annual salary \$31,000 (\$15/hr)
- ▶ **Medical Laboratory Technician** – expected to grow 16% from 2014-2024
  - ▶ Median annual salary \$50,550 (\$24.30/hr)
- ▶ **Clinical Laboratory Scientists** – expected to grow by 16%
  - ▶ Median annual salary \$65,000 (\$31/hr)



# Curriculum

## General Education Courses/Pre-requisites

- ▶ English Composition
- ▶ Intermediate Algebra or higher
- ▶ Medical Terminology
- ▶ Chemistry
- ▶ Human Biology
- ▶ Medical Law & Ethics
- ▶ Humanities elective
- ▶ Social Science elective

# Curriculum

## Core Courses

- ▶ Intro to Clinical Lab
- ▶ Techniques of Phlebotomy
- ▶ Urinalysis and Body Fluids
- ▶ Clinical Hematology & Coagulation
- ▶ Clinical Chemistry
- ▶ Clinical Immunohematology & Serology
- ▶ Clinical Microbiology
- ▶ Internships – 400 hours

# Students

- ▶ Interested in health care but not necessarily a lot of patient care/interaction
- ▶ An affinity for science/biology
- ▶ A pre-nursing student who has not been accepted to nursing school
- ▶ Phlebotomists - may earn credit for experience as a phlebotomist
- ▶ Medical assistants
- ▶ Biology or Chemistry majors