

## CLINICAL LABORATORY SCIENCES

### Mission Statement

*The Clinical Laboratory Sciences Program offers a baccalaureate degree of highest quality in clinical laboratory sciences, enabling the graduates to develop successful careers in bio-medical technology fields and to pursue advanced degrees in related fields. The faculty of the program strive to advance the knowledge, technology, and education methods in clinical laboratory sciences; to maintain clinical affiliations with local and regional health care facilities and serve as a source of well qualified personnel to staff their clinical laboratories; and to promote and enhance the public's knowledge regarding the profession of clinical laboratory sciences and the UWF's Program.*

### Student Learning Outcomes

UWF Clinical Laboratory Sciences Program graduates should be able to do the following:

#### Content

- Recognize and apply concepts, principles, and theories from the sciences that underlie clinical lab skills (e.g., biochemistry, pathophysiology)
- Apply methodological principles from clinical courses
- Recognize and apply principles of quality assurance
- Use medical technology terminology accurately
- Describe career opportunities available in clinical laboratory science, including opportunities in independent practice
- Articulate frontiers of knowledge in chosen profession

#### Critical Thinking

- Distinguish abnormal from normal results
- Interpret and evaluate clinical procedures and results
- Make and confirm sound diagnostic conclusions
- Predict clinical course following diagnosis
- Conduct research using appropriate literature
- Select and apply appropriate statistical procedures to evaluate data

#### Communication

- Select, operate, and maintain appropriate strategies for recording/reporting results
- Communicate effectively with related medical professionals and service providers
- Interact effectively with patients using calm and reasoned judgment and sensitivity to patient characteristics.
- Make professional oral presentations of findings

## Integrity/Values

- Articulate appropriate professional responsibility for patient's welfare
- Recognize and adhere to applicable professional regulations, ethical standards, and program's code of conduct
- Advocate for effective, timely, accurate, and cost effective service to demonstrate commitment to patient's welfare
- Maintain confidentiality of patient information

## Project Management

- Correlate results from various procedures with management of patient's condition
- Research, develop, and perform new laboratory procedures and evaluate effectiveness
- Enact principles of best practice for lab management
- Enact principles of best practice for human resource management

## Hazard and Risk Management

- Recognize and describe principles and regulations regarding lab safety
- Practice lab safety procedures and protocols
- Identify and prevent medical error or minimize consequences of medical error

## Assessment of Student Learning Outcomes

The Clinical Laboratory Sciences program uses the following measures to assess the student learning outcome achievements of our graduates and for on-going continuous program improvements. **A. Direct measures:** Mid Term Comprehensive exam to test the student learning in content areas of clinical laboratory sciences; Practical exams and unknown specimen evaluations; Seminar presentations; Journal Club Presentations; Final Comprehensive Examinations and external (National) Board Certification Exams. **B. Indirect Measures:** Exit survey completed by graduates; Survey of recent graduates; Employer Survey and Evaluation by an Advisory Committee.

## Job Prospects for Clinical Laboratory Sciences Graduates

<b>Clinical Lab Scientist in:</b>	Section Supervisor/Specialist	Clinical Laboratory Manager
Clinical Chemistry	Public Health Lab Scientist	Lab Education Coordinator
Hematology/Hemostasis	Crime Lab Scientist	Bloodbank Administrator
Diagnostic Microbiology	Lab Technical Supervisor	Lab Services Marketing Sp
Immunoematology	Biotech Industry-Sales Rep	Quality Assurance Officer
Clinical Immunology	Biotech Industry-Training Rep	Lab Information Specialist
Molecular Diagnostics	CLS Program Faculty	Clinical Lab Consultant
Toxicology	Pharmaceutical Lab Scientist	Regulatory Compliance Officer

*Find Out More about Clinical Laboratory Sciences Program at UWF: <http://uwf.edu/ClinicalLabSciences/>*