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

<table>
<thead>
<tr>
<th>Clinical Lab Scientist in:</th>
<th>Section Supervisor/Specialist</th>
<th>Clinical Laboratory Manager</th>
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<tbody>
<tr>
<td>Clinical Chemistry</td>
<td>Public Health Lab Scientist</td>
<td>Lab Education Coordinator</td>
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<tr>
<td>Hematology/Hemostasis</td>
<td>Crime Lab Scientist</td>
<td>Bloodbank Administrator</td>
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<tr>
<td>Diagnostic Microbiology</td>
<td>Lab Technical Supervisor</td>
<td>Lab Services Marketing Sp</td>
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<tr>
<td>Immunohematology</td>
<td>Biotech Industry-Sales Rep</td>
<td>Quality Assurance Officer</td>
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<tr>
<td>Clinical Immunology</td>
<td>Biotech Industry-Training Rep</td>
<td>Lab Information Specialist</td>
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<tr>
<td>Molecular Diagnostics</td>
<td>CLS Program Faculty</td>
<td>Clinical Lab Consultant</td>
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<tr>
<td>Toxicology</td>
<td>Pharmaceutical Lab Scientist</td>
<td>Regulatory Compliance Officer</td>
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Find Out More about Clinical Laboratory Sciences Program at UWF:

http://uwf.edu/cse/departments/public-health-clinical-health-sciences/