

## Bachelor of Science in Clinical Laboratory Sciences

UWF's Clinical Laboratory Sciences Program is designed to prepare graduates as generalists who will be proficient in performing the full range of clinical laboratory tests in areas such as hematology, clinical chemistry, diagnostic microbiology, clinical immunology, serology and immunohematology.

The curriculum is designed to build strong foundations in professional knowledge and skills, enabling the graduates to assume diverse responsibilities in areas of analysis, quality control, clinical decision making, regulatory compliance, education, research and product development.

UWF's program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and licensed by the Board of Clinical Laboratory Personnel (BCLP) of the state of Florida .

For additional information  
contact: UWF Program  
in Clinical Laboratory  
Sciences, (850)474-2882 or  
[uwf.edu/clinicallabsciences](http://uwf.edu/clinicallabsciences)



Coagulation



Microbiology



Microbiology

Selection into the clinical year is on a competitive basis, but usually all of the applicants who meet the minimum qualifications gain entry into the clinical year.

The BS degree program may be completed in four years, provided the student follows the sample degree plan given at the end of this brochure. The degree may be completed as a 2+2 program from a Florida public community college, provided the student seeks and follows the academic advisement from UWF program faculty.

The clinical (final) year of the program is a limited access program with a cap in enrollment at 40 students. To be considered for admission into the clinical year, the student must meet the following requirements:

- Admitted to the University of West Florida
- Completed UWF's General Studies Program and CLAST; or have an AA degree from a Florida public community college\*
- Completed the foreign language requirement
- Completed the lower and upper level pre-requisite courses in biology, chemistry and mathematics
- Have a cumulative minimum GPA of 2.5
- Submitted an application for selection into clinical year

The clinical year always begins in January. After three semesters at the university each student is placed at an affiliate hospital laboratory for 29 weeks (40 hours/week) of clinical laboratory rotations.

The program is affiliated with over ten hospitals in Florida, Alabama and the Gulf Coast Veterans Health Care System (VA). Students do their clinicals in the greater Pensacola area, Ft. Walton Beach, Panama City, Gainesville, Tallahassee, or Biloxi. CLS students will rotate through the Florida Department of Health Labs, and are eligible to work in Public Health.

\*For information on the General Studies Program, see the current UWF Catalog.

Each year one class  
of students graduates  
at the end of July  
and are ready for  
employment by the  
second week of  
August.

## State-Wide Common Prerequisites

Lower division courses that may be taken at a Florida public community college and are accepted into UWF's degree program

SEMESTER HOURS	SEMESTER HOURS
General Biology/Lab ..... 4	General Chemistry I/Lab ..... 4
Anatomy and Physiology I/Lab ..... 4	General Chemistry II/Lab ..... 4
Anatomy and Physiology II/Lab ..... 4	Organic Chemistry I/Lab ..... 4
General Microbiology/Lab ..... 4	Organic Chemistry II/Lab ..... 4
Elements of Statistics ..... 3	

For a list of equivalent courses which are acceptable as alternatives for the common prerequisites listed above see Common Prerequisite Manual, Florida Center for Advising and Academic Support; or call the UWF program director.

### MAJOR RELATED UPPER LEVEL COURSES

SH	SH
Pathophysiology ..... 3	Biochemistry I/Lab ..... 4
Genetics/Lab ..... 4	Immunology/Lab ..... 4
Microbiology/Lab ..... 4	

Major Courses.....SH (on campus)	Major Courses.....SH (at hospital)
Hematology I/Lab ..... 4	Hematology II ..... 4
Diagnostic Microbiology I/Lab ..... 4	Diagnostic Microbiology II ..... 4
Clinical Chemistry I/Lab ..... 3	Clinical Chemistry III ..... 4
Clinical Chemistry II/Lab ..... 3	Immunohematology II ..... 4
Urinalysis & Body Fluids I/Lab ..... 2	Urinalysis & Body Fluids II ..... 2
Molecular Diagnostics/Lab ..... 2	Special Clinical Methods ..... 2
Hemostasis & Thrombosis/Lab ..... 2	
Medical Microbiology/Lab ..... 4	
Immunohematology I/Lab ..... 4	
Serology/Lab ..... 2	
Special Clinical Topics ..... 1	



DEGREE PLAN  
Recommended for  
Clinical Laboratory Sciences

Freshman Year

FALL	SH
ENC 1101 English Composition I.....3	
ZOO 1010 General Zoology/Lab.....4	
MAC 1104 College Algebra .....3	
XXX xxxx Humanities/Fine Arts.....3	
	13
SPRING	
ENC 1102 English Composition II .....3	
EUH xxxx Social Sciences/History.....3	
CHM 2045 Chemistry I/Lab.....4	
XXX xxxx Humanities/Values .....3	
	13
SUMMER	
CHM 2046 Chemistry II/Lab.....3	

Sophomore Year

FALL	SH
XXX xxxx Social Sciences/Behavioral .....3	
PCB 4703 Human Physiology.....3	
XXX xxxx Humanities/Literature .....3	
CHM 2210 Organic Chemistry I/Lab.....4	
	13
SPRING	
STA 2023 Statistics .....3	
PCB 2131 Cell Biology/Lab.....4	
MLS 3031 Intro to CLS (Optional) .....2	
CHM 3120 Analytical Chemistry/Lab or 2211 Organic Chemistry II/Lab .....4	
	13
SUMMER	
HSC 3550 Pathophysiology .....3	
	3

Students who have not completed two years of the same foreign language in high school, OR two semesters at a previous college, must meet that requirement prior to graduation. In case of a deficiency, the two foreign language courses must be added to this degree plan. See your advisor for details.

Junior Year

FALL	SH
BCH 3033 Biochemistry I/Lab .....4	
MCB 3020 Microbiology/Lab.....4	
PCB 3063 Genetics/Lab .....4	
	12
SPRING	
MLS 4305 Hematology I/Lab .....4	
MLS 4460 Diagnostic Microbiology/Lab .....4	
PCB 4233 Immunology/Lab .....4	
	12

Clinical (Senior) Year

UNIVERSITY-BASED COURSES

SUMMER	SH
MLS 4220 Urinalysis/Body Fluids I/Lab .....2	
MLS 4625 Clinical Chemistry I/Lab .....3	
MLS 4334 Hemostasis & Thrombosis/Lab .....2	
MLS 4462 Medical Microbiology/Lab .....4	
	11
FALL	
MLS 4630 Clinical Chemistry II/Lab.....3	
MLS 4550 Immunochemistry I/Lab .....4	
MLS 4505 Serology/Lab.....2	
MLS 4191 Molecular Diagnostics .....2	
MLS 4705 Special Clinical Topics .....1	
	12

HOSPITAL-BASED COURSES

SPRING	SH
MLS 4820L Clinical Chemistry III.....4	
MLS 4822L Hematology II .....4	
MLS 4821L Diagnostic Microbiology II .....4	
	12
SUMMER	
MLS 4823L Immunochemistry II .....4	
MLS 4824L Special Clinical Methods .....2	
MLS 4825L Urinalysis/Body Fluids II .....2	
	8



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University of West Florida  
Program in Clinical Laboratory Sciences

Clinical Lab Scientists

