

CLINICAL LABORATORY SCIENCES

Degrees: Bachelor of Science
 Department: Biology
 Building 58, Room 79
 (850) 474-2882
<http://uwf.edu/clinicalabsciences/>
clinicalabsciences@uwf.edu
 College: Arts and Sciences
 Semester Hours Required for Degree: 126-127

Faculty: S. Krothapalli (Program Director), K. Behan, S. Bonomelli, S. Smith; Faculty Associates: S. Adams, R. Cunningham, M. Dumas, E. Scott, V. Tomlinson

UWF's Clinical Laboratory Sciences Program (formerly Medical Technology) is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 8410 West Bryn Mawr Ave., Suite 670, Chicago, IL 60631.

Building upon a foundation of biology and chemistry courses, the Clinical Laboratory Sciences (CLS) Program prepares students to enter the CLS profession through advanced hands-on training in the clinical laboratory sciences.

Upon completion of the prerequisite courses listed below and other graduation requirements, the student is eligible to apply for selection into the clinical year. It should be noted that admission into the Clinical Laboratory Sciences Program's clinical year (senior year) is on a competitive basis, is limited to 20 students per class, and begins in May of each year. The selection into the clinical year is based on (a) completion of all the prerequisite course work, (b) a minimum GPA of 2.5 in the completed course work, (c) personal interview with the selection committee, and (d) recommendation letters. Note that meeting minimum standards does not guarantee admission into the program. Students who completed the prerequisite course work at another university may apply and be admitted to UWF-based clinical training provided they meet the selection criteria given above.

The accelerated nature of this program makes it desirable that students entering UWF as juniors have completed the prerequisites or equivalents listed below. Students with deficiencies may need two years to complete the lower division and junior year prerequisites and be eligible for selection into the clinical year.

Upon completion of the program and the achievement of certification and license, clinical laboratory scientists are employed in a variety of health-care settings as laboratory technologists, progressing to supervisory and management positions. A majority work in clinical laboratories. Others work in research labs, reference labs, public-health labs, blood banks, crime labs, and physicians' office labs and so on.

PROGRAM REQUIREMENTS

In addition to general studies and other University requirements, students seeking the B.S. degree in Clinical Laboratory Sciences must meet the requirements listed below.

Students who are selected for clinical training will spend summer and fall semesters at UWF's main campus, followed by seven months of advanced clinical laboratory training at one of the affiliate hospitals. UWF's Clinical Laboratory Sciences Program is currently affiliated with Baptist Hospital, Sacred Heart Hospital, and West Florida Hospital in Pensacola; Fort Walton Beach Medical Center in Fort Walton Beach; Bay Medical Center in Panama City and Shands Teaching Hospitals & Clinics, Inc; in Gainesville and Jacksonville, Florida.

Students may also choose to complete the clinical training on a 4+1 basis; that is, after completion of a B.S. degree in biology or a related field (life sciences).

Course descriptions are listed alphabetically by prefix in the back of this *Catalog*.

General Studies (36 sh)

For additional information see the General Studies section of this *Catalog*.

Common Prerequisites (35 sh)

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. Course in brackets indicate substitutes from Florida public community/junior colleges and universities.

+ BSC	1085/L	Anatomy & Physiology I/Lab4 [BSCx085C, BSCx085/L, BSC1093, BSC2093C, BSC1011C, BSC2011, PCB3702, PCB3703, PCB3704, PCB4703 (student's choice of one of these three labs), BSC2023C, PCB2085C, PCB3703C, PCB 4703] UWF native students should take PCB 4703 instead of BSC 1085/L
+ CHM	2045/L	General Chemistry I/Lab4 [CHMx045/L, CHM1045C]
+ CHM	2046/L	General Chemistry II/Lab4 [CHMx046/L, CHM1046C, CHM1040/L, CHM1041/L, CHM1046E/1046L]
+ CHM	2210/L	Organic Chemistry I/Lab4 [CHMx210/L, CHM2010/L, CHM2210C]
+ CHM	2211/L	Organic Chemistry II/Lab4 [CHMx211/L, CHM2011/L, CHM2211C, CHMx120/L, CHMx120C]
+ MCB	3020/L	Microbiology/Lab4 [MCB2013/L, MCB2013C, MCB3023/L, MCB3020C, MCB2010/L]
+ PCB	2131/L	Cell Biology4 [BSCx086/L, BSCx086C, BSC2094C, ZOO3733C, ZOO3731, PCB3134C, BSC1094, BSC2096, BSC2011, PCB2510/L, BSC2086C]
+ STA	2023	Elements of Statistics3 [STAx023, STA2014, STA2122, STA2037, STA2040, STA2024, STA2321]
+ ZOO	1010/L	General Zoology/Lab4 [BSCx010C, BSCx010/L, BSC1011C, BSCx011/L, PCB2011C, PCB2131/L, ZOOx010]

+ Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives (0 sh)**Major (51 sh)**

MLS 4220/L	Urinalysis/Body Fluids I/Lab.....	2
MLS 4305/L	Hematology I/Lab.....	4
MLS 4334/L	Hemostasis and Thrombosis/Lab.....	2
MLS 4460/L	Diagnostic Microbiology I/Lab.....	4
MLS 4462/L	Medical Microbiology/Lab.....	4
MLS 4505/L	Serology/Lab.....	2
MLS 4550/L	Immunohematology I/Lab.....	4
MLS 4625/L	Clinical Chemistry I/Lab.....	3
MLS 4630/L	Clinical Chemistry II/Lab.....	3
MLS 4705	Special Clinical Topics.....	1
MLS 4820L	Clinical Chemistry III.....	4
MLS 4821L	Diagnostic Microbiology II.....	4
MLS 4822L	Hematology II.....	4
MLS 4823L	Immunohematology II.....	4
MLS 4824L	Special Clinical Methods.....	2
MLS 4825L	Urinalysis/Body Fluids II.....	2
MLS 4xxx/L	Molecular Diagnostics/Lab.....	2

Major-Related (15 sh)

BCH 3033/L	Biochemistry I/Lab.....	4
HSC 3550	Pathophysiology.....	3
PCB 3063/L	Genetics/Lab.....	4
PCB 4233/L	Immunology/Lab.....	4

Upper Division Electives (0 sh)

Note: Changes to this program have been proposed by the department and are pending Faculty Senate and University approval. Approval is expected before the beginning of the academic year.