

ACADEMIC MAP**Medical Laboratory Science, Bachelor of Science****First Year**

Fall		Hours
UNIV 1101	University Seminar I	1
ENGL 1301	Writing and Rhetoric I	3
BIOL 1406	Biology I	4
CHEM 1411	General Chemistry I	4
Hours		12

Spring

UNIV 1102	University Seminar II	1
ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3
CHEM 1412	General Chemistry II	4
BIOL 1407	Biology II	4
Hours		12

Second Year

Fall		Hours
MATH 1442	Statistics for Life	4
CHEM 3411	Organic Chemistry I	4
BIOL 2421	Microbiology	4
Hours		12

Spring

POLS 2306	State and Local Government	3
HIST 1301	U.S. History to 1865	3
BIOL 2416	Genetics	4
CHEM 3412	Organic Chemistry II	4
Hours		14

Third Year

Fall		Hours
POLS 2305	U.S. Government and Politics	3
HIST 1302	U.S. History Since 1865	3
Social and Behavioral Sciences Core Requirement		3
Creative Arts Core Requirement		3
Hours		12

Spring

CHEM 4401	Biochemistry I	4
Language, Philosophy & Culture Core Requirement		3
CLSC 3300	Clinical Immunology and Serology	3
Elective		3
CLSC 4420	Hematology	4
Hours		17

Fourth Year

Fall		Hours
CLSC 3102	Essentials Laboratory for Clinical Laboratory Science	1
CLSC 3200	Essentials for Applied Laboratory Sciences	2
CLSC 4325	Clinical Chemistry I	3
CLSC 4430	Clinical Immunology	4
CLSC 4370	Clinical Microbiology I	3
CLSC 4220	Hematology II	2
Hours		15

Spring

CLSC 4297	Professional Practicum I	2
CLSC 4326	Clinical Chemistry II	3
CLSC 4371	Clinical Microbiology II	3
CLSC 4280	Introduction to the Clinical Laboratory Profession	2
CLSC 4382	Advanced Medical Laboratory Procedures	3
Hours		13

Summer

CLSC 4200	Professional Skills for Clinical Laboratory Scientists	2
CLSC 4598	Professional Practicum II	5
CLSC 4599	Professional Practicum III	5
CLSC 4182	Seminar – Clinical Correlations	1
Hours		13

Total Hours**120**

CAREER MAP

MEDICAL LABORATORY SCIENCE

Bachelor of Science



FINISH IN



The Bachelor of Science in MLS degree prepares students to function as medical laboratory scientists in a wide variety of settings including hospital laboratories, clinics, research labs, physician office laboratories, public health laboratories and reference labs. The requirements the first 3 years include courses in biology, chemistry, math, social sciences, and humanities. The senior year includes advanced study in the MLS disciplines along with clinical practice in the clinical facilities. The medical laboratory scientist holds a key position in life-and-death matters involving the diagnosis and treatment of patients. Therefore, the practice of medical laboratory science is regulated both from within the profession and, in some states, by law. In addition to the coursework for the baccalaureate degree, employment as a medical laboratory scientist requires professional certification. A student may obtain one of three certifications in medical laboratory science: generalist, clinical chemist, or medical microbiologist.

CONTACT INFORMATION

Career Counselor:

Career and Professional Development Center
UC 304 | 361.825.2628
career.center@tamucc.edu

Internship Coordinator:

Miguel Perez
IH 330 | 361.825.2712
miguel.perez@tamucc.edu

Department Contact:

College of Nursing and Health Sciences
IH 3rd Floor | 361.825.2799
conhs@tamucc.edu

INTERNSHIP INFORMATION

All of the following requirements must be completed and turned into the appropriate personnel before the practicum is begun. Students who do not have the following completed will not be able to participate in HLSC 4680 Practicum (6 sch):

- City Wide Orientation Completion Date and/or Hospital Orientation Date
- Immunization Record
- Background Investigation

SKILLS/ATTRIBUTES

- Critical thinking/Problem Solving
- Teamwork/Collaboration
- Professionalism/Work Ethic
- Oral/Written Communication
- Leadership
- Digital Technology
- Career Management
- Global/Multicultural Fluency

STUDENT ORGANIZATIONS

- Health Sciences Association
- Women in Healthcare
- Coastal Bend Health Professionals Initiative
- Upsilon Phi Delta National Honor Society

CAREER OPTIONS

- Registered Nurse
- Nursing Tracks (additional certifications): MEDSURG, ICU, Cardiac Vascular, Addictions, Neonatal Transport, Dialysis, Emergency, see Nurse.org for a complete listing (183)
- Master's Degree Tracks: Nurse Practitioner, Nurse Anesthetist
- Doctorate of Nursing

ADDITIONAL PROGRAM REQUIREMENTS

- Admission to the MLS program is one time per year. Students must complete an application to the MLS program and submit to the Program Director before May 30. An interview may be requested. Students should consult their Academic Advisor for additional information.
- To apply for certification, a student must earn a "C" or better in all CLSC courses; and an interview and reference letters also may be required.

ADDITIONAL SOURCES OF INFORMATION

Occupational Outlook Handbook - www.bls.gov/ooh/,
explorehealthcareers.org, HOSA.org, ACHE.org