

FIRST YEAR

Choose 1 Communication
 Choose 1 Creative Arts
 Choose 1 Mathematics
 BIOL 2401 Anatomy & Physiology I
 Choose 1 American History
 UNIV 1301 Learning Framework

MATH 1342 Elementary Statistical Methods

www.utrgv.edu/degreeplans.

Courses in red are part of the General Education Core Curriculum (GEC). "Choose 1" indicates course options. If options are not listed, please review the General Education Core or the degree plan for this major.

SECOND YEAR

CHEM 1312 General Chemistry II
 CHEM 1112 General Chemistry II Lab
 Choose 1 Government/Political Science
 CLSC 2429 Clinical Microbiology in Health Care
 Choose 1 Language, Philosophy & Culture
 Choose 1 Integrative and Experiential Learning
 CHEM 2323 Organic Chemistry I
 CHEM 2123 Organic Chemistry I Lab
 BIOL 1406 General Biology I
 Choose 1 Government/Political Science
 Choose 1 Social and Behavioral Sciences

THIRD YEAR

CLSC 3630 Clinical Microbiology I
 CLSC 3310 Hematology I
 CLSC 3513 Clinical Immunology and Immunohematology
 CLSC 3420 Clinical Chemistry I
 CLSC 4411 Clinical Hematology II
 CLSC 4521 Clinical Chemistry II
 CLSC 4314 Advanced Immunohematology
 CLSC 4631 Clinical Microbiology II
 CLSC 4303 Medical Laboratory Leadership
 CLSC 4340 Clinical Practicum I
 CLSC 4341 Clinical Practicum II

FOURTH YEAR

CLSC 4342 Clinical Practicum III
 CLSC 4343 Clinical Practicum IV
 CLSC 4144 Clinical Practicum V
 CLSC 4200 Seminar
 CLSC 4315 Molecular Genetics and Molecular Diagnostics
 CLSC 4122 Method Development & Research
 CLSC 4116 Advanced Immunology

Degree Info

This degree will prepare students for certification and employment as Medical Laboratory Scientists. Graduates from this professional program are part of the health care team and play a vital role in the prevention, diagnosis, and treatment of disease through the performance of laboratory tests in hospital laboratories, physician office labs, and reference labs. It is also serves as an excellent undergraduate option for those students planning on applying to the graduate physician assistant program and medical and dental school. Students who plan to apply to the physician assistant program or medical or dental school should check for additional course requirements.

UTRio Grande Valley

BLUE
PRINT

**CLINICAL LABORATORY
SCIENCE (BS)**
 Catalog: 2019-20
**COLLEGE OF HEALTH
PROFESSIONS**

Contact Info

Department Chair
 Dr. Saraswathy Nair
 Saraswathy.nair@utrgv.edu

Assoc. Department Chair
 Ms. Kim Garcia
 kim.garcia@utrgv.edu

Undergraduate Program Director
 Sandra Tijerina
 Sandra.tijerina@utrgv.edu

Departmental Office
 Location: EHABW 2.206
 Phone Number: 956-665-5253
 Email: sabine.castillo01@utrgv.edu

Additional Info

- The professional program begins each fall semester and lasts for 15 months.
- Students must apply for admission to the CLS program and must complete all core and support courses prior to entering the program..
- All CLSC courses in the program must be passed with a "C" or better.
- A limited number of students who have completed all prerequisite coursework may apply to the program with a request to pursue coursework on a part-time basis. These students will be admitted on a space available basis.
- No clinical laboratory courses older than five years may be used to meet graduation requirements.

BLUEPRINT EXPERIENCES

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR AND BEYOND

CAREERS

MILESTONES

- UTRGV has a Writing Center and a Learning Center. Make it a point to visit them!
- Complete your core English classes (section 010) during your first year.
- Complete 30 credit hours every year in order to graduate in 4 years.
- Shoot for a GPA of 3.5.
- Take MATH 1314 in your first year.

ADVICE & SUPPORT

- Meet with your academic advisor and bring your orientation folder with you to every session!
- Choose a major with confidence- Visit my.UTRGV.edu and check out MyMajors.
- Visit a faculty member during their office hours and ask a question about class.
- Classes fill up fast. When registration opens, be sure to register on the first day for your group.
- Cold or flu getting you down? We have Student Health Services on campus with free office visits.

APPLY WHAT YOU LEARN

- Look for a service-learning course! For guidance, visit Engaged Scholarship & Learning Office.
- Participate in a campus-sponsored community service project.
- Ask a student in class to study with you.

GLOBAL, CAMPUS & COMMUNITY ENGAGEMENT

- Set up your profile on the Engagement Zone through My.UTRGV.edu.
- Attend a diversity based campus or community event (e.g. MLK Day of Service).
- Attend a departmental program for Clinical Laboratory Science.
- Join a student organization! Consider looking into Clinical Lab Science Student Organization (CLSSO) or visit VLink (utrgv.edu/vlink) for options.

LIFE AFTER GRADUATION

- Create a résumé and set up your profile on the Handshake icon: (My.UTRGV.edu).
- Got summer plans? Visit Career Center and ask about places to do some job shadowing.
- Research shows that students who work on campus perform better than those who work off campus. Look for a job on Handshake!
- Check your UTRGV email for the daily Messenger- locate and attend one student workshop.

- Shoot for a GPA of 3.5.
- Complete major foundation classes, such as BIOL 1406, CLSC 2429, BIOL 2401 and 2402, statistics and CHEM 2323/2123.
- Complete 30 credit hours.
- Apply to the CLS program. The deadline is March 31 of each spring semester.

- Want to explore different careers? Check out MyMajors!
- Come ready with course suggestions and questions when you visit your academic advisor.
- Visit the Communication Hauser Lab for help with your speeches.
- Trouble making your tuition payment? The Financial Aid Office can help. Payment plans and emergency loans are also available

- To find undergraduate research opportunities, visit the Engaged Scholarship & Learning Office.
- Consider attending the LeaderShape Institute or attend the Engaged Scholar Symposium.

- Look at study abroad opportunities! Consider going to Europe!
- Check out a cultural campus or community event such as HESTEC or FESTIBA.
- Join another student organization. Perhaps the American Red Cross or Biomedical Sciences Association or visit VLink for options.
- Check out a campus event that offers free lunch- bring a friend!

- Update your resume in Handshake and have it reviewed.
- Visit the Career Center site to find a job fair to attend. At the event, approach a recruiter and discuss internships.
- Will a minor expand your career options? We recommend biology or chemistry.
- Explain to someone how your academic program aligns with your strengths and interests.

- Shoot for a GPA of 3.0.
- Complete 30 credit hours.
- Have you landed an internship or acquired research experience? This is the year to make it happen.

- Seek out research opportunities within your major and join a professional organization such as the Clinical Lab Science Student Organization (CLSSO).
- Check DegreeWorks to make sure you are on track for graduation next year.
- Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career Center.

- Go show off your research, service-learning or creative works at the Engaged Scholar Symposium!
- Sharpen your writing skills! Take an intensive writing course such as the Engaged Scholar institute or become the secretary for your organization.

- Consider serving on a campus life/community committee or become a student leader and make a difference. Visit VLink or speak with your Student Government Association for more information!
- Travel the world! Look into study abroad opportunities at Office for International Programs & Partnerships.

- Check out the Clinical Laboratory Science department website for postings on career/graduate school.
- Think about three people you can ask for letters of recommendation (professors, mentors, advisors, supervisors, etc.). Give them at least two weeks' advance notice!
- When is the deadline for your graduate school application? Visiting the program admissions webpage. Most do not accept late applicants!

- Shoot for a GPA of 3.0.
- "I have a plan for after graduation." If this describes you, great! If not, visit your Faculty Advisor or Career Center!
- Register for your Capstone/senior/portfolio project: Elective Week request due in August.
- Complete at least 30 credit hours to graduate.
- Submit your application(s) for graduate school, an apprenticeship, or for fulltime employment.

- Engage in an independent study project or an academic internship to complement your major, such as _your management project in the lab.
- Discuss future plans with your faculty mentor or advisor that includes employment, finances, and other life goals.
- Apply for graduation one semester prior to your anticipated date. Visit the Academic Advising Center to ensure you are on track.

- Continue to present research or creative works at the Engaged Scholar Symposium or at state convention for Clinical Laboratory Scientists.
- Set up an informational interview with an individual (especially an alumnus) currently in the field you aspire to work in.

- Identify employers of interest and seek them out at job fairs, online, at on-campus information sessions, staffing agencies, etc. The Career Center can help.
- Before a job interview, schedule a mock interview with the Career Center or speech coaching with the Communication Hauser Lab.

- Have you received your acceptance for graduate school or an employment offer? If not, network: talk to faculty, the Career Center, and get on LinkedIn.
- Formulate and implement a strategy for life after graduation: attend career fairs, graduate fairs, apply to fellowships, etc.
- Update your information with Alumni Relations. Enjoy alumni mixers, events and continued access to Career Center services!
- Remember to do your exit loan counseling on studentloans.gov.

- Hematology
- Immunohematology (blood banking)
- Microbiology
- Clinical chemistry
- Immunology
- Urinalysis
- Mycology
- Parasitology
- Histocompatibility
- Molecular diagnostics
- Laboratory product development and sales
- Hospital and private laboratories
- Public health laboratories
- Biotechnology industry
- Pharmaceutical and chemical companies
- Research and forensic laboratories
- Veterinary clinics
- Transplant and blood donor centers
- Fertility clinics
- Universities and colleges

For additional info, visit the Career Center website and check out "What Can I Do With This Major?" www.utrgv.edu/careercenter