CATALOG YEAR 2023-2024

ACADEMIC MAP

Forensic Science

Biomedical Sciences, Bachelor of Science

FINISH IN 4

First Year

Fall		Hours
BIOL 1406	Biology I	4
CHEM 1411	General Chemistry I	4
UNIV 1101	University Seminar I	1
ENGL 1301	Writing and Rhetoric I	3
MATH 2312 or MATH 2413	Precalculus or Calculus I	3-4
	Hours	**15-16**

Spring		
BIOL 1407	Biology II	4
CHEM 1412	General Chemistry II	4
UNIV 1102	University Seminar II	1
ENGL 1302	Writing and Rhetoric II	3
MATH 2413 or PSYC 2301 or SOCI 1301	Calculus I or General Psychology or Introduction to Sociology	3-4
	Hours	**15-16**

Summer		
HIST 1301	U.S. History to 1865	3
HIST 1302	U.S. History Since 1865	3
	Hours	**6**

Second Year

Fall		
BIOL 2416	Genetics	4
CHEM 3411	Organic Chemistry I	4
BIOL 2401	Anatomy and Physiology I	4
BIMS 3320	Survey of Forensic Science	3
	Hours	**15**

Spring		
BIOL 2421	Microbiology	4
CHEM 3412	Organic Chemistry II	4
MATH 3342	Applied Probability and Statistics	3
BIOL 2402	Anatomy and Physiology II	4
	Hours	**15**

Summer		
POLS 2305	U.S. Government and Politics	3
POLS 2306	State and Local Government	3
	Hours	**6**

Third Year

Fall		
PHYS 1401 or PHYS 2425	General Physics I or University Physics I	4
CHEM 4401	Biochemistry I	4
Creative Arts Core Requirement		3
ENGL 2316 or ENGL 2332 or ENGL 2333	Literature and Culture or Literature of the Western World: From the Classics to the Renaissance or Literature of the Western World: From the Enlightenment to the Present	3
BIMS Forensic Science Elective		3
	Hours	**17**

Spring		
PHYS 1402 or PHYS 2426	General Physics II or University Physics II	4
CHEM 4402	Biochemistry II	4
CHEM 3418	Instrumental Analysis	4
BIMS 3325 or BIMS 4340	Professional Practice in Forensic Science or Forensic Science in Criminal Law	3
	Hours	**15**

Summer		
BIMS 4327	Introduction to Toxicology	3
	Hours	**3**

Fourth Year

Fall		
BIMS 4410 or BIOL 3410	Histology or Cell Biology	4
ENGL 3301	Technical and Professional Writing	3
BIMS Forensic Science Elective		3
BIMS Forensic Science Elective		4
	Hours	**14**
	Total Hours	**121-123**

This is not an official degree plan. It is a guideline for planning your courses. To access a copy of this academic map please visit tamucc.edu/academics/planning/academic-advising/

CAREER MAP

BIOMEDICAL SCIENCES FORENSIC SCIENCE

Bachelor of Science

TEXAS A&M UNIVERSITY CORPUS CHRISTI | FINISH IN 4

The Biomedical Sciences Program prepares students for biomedical career opportunities including health services, research, forensic science, genetic engineering, biotechnology, bioinformatics, product sales, and services dealing with analysis, assessment and inspection. A few biomedical careers are available to a student with a baccalaureate degree, but most will require the student to complete post-baccalaureate course work or to earn a graduate degree. The two options in the Biomedical Sciences Program prepare students to enter post-baccalaureate or graduate programs in the health professions (e.g., medicine, dentistry, pharmacy, physician assistant, physical therapy, occupational therapy, etc.) or for careers and/or graduate training in forensic science and related areas.

CONTACT INFORMATION

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

Internship Coordinator:
Gregory Buck
TH 309D | 361.825.3717
Gregory.Buck@tamucc.edu

Department Contact:
Department of Life Sciences
TH 309D | 361.825.3717
gregory.buck@tamucc.edu

ADDITIONAL PROGRAM REQUIREMENTS

The Bachelor of Science in Biomedical Sciences degree requires a minimum of 120 semester hours: 42 are from designated Core Curriculum Program courses, 17 are from biomedical sciences core courses, and 61 are from biomedical sciences option courses. Students select one of two biomedical sciences options: (A) Pre-Professional Option or (B) Forensic Science Option. A student should select an option after completion of a minimum of 35 semester hours of university course work, but before the completion of 50 semester hours. After their sophomore year (60 semester hours), students must have (and maintain) a cumulative GPA of 2.50 or above in their course work, with no course work older than 5 years. No "D" or "F" grades will be accepted as credit within the biomedical sciences core or option courses. Students may take a maximum of 9 SCH as BIMS 4590 courses. A minimum cumulative grade-point average of 2.0 ("C") on a 4 point scale (4.0 = A) in all work taken and a minimum grade-point average of 2.25 in all courses in the major field of study taken at this University are required. The courses in the major field of study are defined for each major, and can be found on the pages for that major. For teacher certification, grade point average requirements are higher. Refer to "Teacher Certification Programs" in the College of Science and Engineering.

CAREER OPTIONS

- Professional School (Med school, dental school, pharmacy school, optometry, veterinarian school, chiropractic school, etc.)
- Forensic Scientist
- Researcher

SKILLS/ATTRIBUTES

- Critical Evaluation of Literature
- Ability to Follow Protocols and Methodologies
- Collection and Analysis of Complex Data
- Understand Research Regulations in Biomedical Sciences
- Working Knowledge of Biological Sub-Discipline

STUDENT ORGANIZATIONS

- Alpha Epsilon Delta
- American Medical Student Association
- Coastal Bend Health Professionals Initiative
- Health Sciences Association
- Women in Healthcare
- SACNAS Chapter at Texas A&M University - Corpus Christi
- Indian Student Association
- Pre-Dental Society

ADDITIONAL SOURCES OF INFORMATION

1. American Academy of Forensic Sciences
2. American Society of Clinical Laboratory Science – Careers in Forensics
3. National Association of Medical Examiners
4. American Institute of Biological Sciences
5. Association of Molecular Pathology
6. American Society of Microbiology
7. American Society of Cell Biology

This content is subject to change.
Please check our website to receive the most up to date information:
https://www.tamucc.edu/institutional-advancement/career-center/