

YOUR PATHWAY TO A CAREER IN

Biotechnology

An in-demand Coastal Bend Career



High School Endorsement: **STEM**

Do you like

biology, research, making usable products, finding solutions to challenging problems?

Learn to be a

forensic science tech, biochemical engineer, environmental protection tech, food science tech.

Get paid from

\$18.23 to \$39.37 per hour, depending on education and experience.*

*Workforce Solutions of the Coastal Bend Targeted Occupations List 2018-19



Consult your Coastal Bend college or university advisors/websites for specific degree plans.

Certificate: Biotechnology Level II - 36 Total Hours

Courses you will need:

Bold = Core

Introduction to Biotechnology I
Biological Concepts I
Composition I
College Algebra
Biotechnology II
Intro to Chemistry I or Gen. Inorganic Chem I
Principles of Biochemistry
Fundamentals of Public Speaking
Internship-Bio Technician
Cell Culture Techniques

BIOL 1414
BIOL 1406
ENGL 1301
MATH 1314
BIOL 1415
CHEM 1405 or 1411
BITC 1403
SPCH 1315
BITC 2386
BITC 2431

Associate in Applied Science Degree: Biotechnology – 60 Total Hours

Use the courses listed above, plus the following:

Bold = Core

Genetics or Microbiology
Bio Concepts II
Intro to Chemistry II or Gen. Inorganic Chem II
Molecular Biology Techniques
Lifetime Fitness & Wellness
General Psychology
Art and Society

BIOL 2416 or 2421
BIOL 1407
CHEM 1407 or 1412
BITC 2441
KINE 1238
PSYC 2301
ARTS 1301

University Studies* – Bachelor of Applied Science Option Degree – 120 Total Hours

Use the courses above, plus the following:

Bold = Core

Composition II
U.S. History to 1865
Texas History
Foundation of Professional Ethics
U.S. Government
State and Local Government
Capstone
Upper Level Concentration Electives
Upper Level Electives

ENGL 1302
HIST 1301
HIST 3331
PHIL 2306
POLS 2305
POLS 2306
UNVS 4350
24 hours
15 hours

**Must submit proposal for program entry*

Most courses in Biotechnology AAS and Certification degree plans can be also transferred to TAMUCC for B.S. of Biomedical Engineering and B.S. of Cell and Molecular Biology. For transfer details, please contact Dr. Daisy Zhang at 361-698-1484.