

# Biotechnology Career

» YOUR PATHWAY TO A BIOTECHNOLOGY CAREER



## 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.

#### **Certificate: Biotechnology Level II - 36 Total Hours**

*Courses you will need:*

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

**Bold = Core**

**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:*

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

**Bold = Core**

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:*

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

**Bold = Core**

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

*\*Must submit proposal for program entry*



Suggested course plan for 2018-2019 Academic Year. Consult individual college or university advisors/websites for specific degree plans.