

# WHAT IS BIOTECHNOLOGY?

Biotechnology is the manipulation of living things for the benefit of mankind.

For thousands of years we have used selective breeding to obtain the desired traits of specific organisms.

Today, with our understanding of genetics, we are solving real world problems related to health, agriculture, food, and so much more!



## CONTACT US



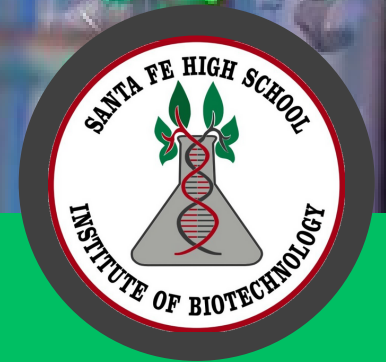
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# THE INSTITUTE OF BIOTECHNOLOGY





## ABOUT US

Established in 2007, the Institute of Biotechnology offers a unique, hands-on learning experience spanning over 3 years which prepares students to immediately enter one of America's fastest growing fields. This program was strategically placed in the heart of the Biotechnology Industry for North Central Florida, which facilitates our partnership with many Biotech companies.

## OUR COURSES

### BIOTECHNOLOGY 1:

Course Focus: Scientific Measurement, Dilution Calculations, Project Management, Solution Prep, Sterile Technique, Biochemistry, Entrepreneurship & Biotechnology,

### BIOTECHNOLOGY 2:

Course Focus: Microbiology, DNA Isolation and Purification, Bacterial Growth/Identification, Polymerase Chain Reaction, CRISPR

### BIOTECHNOLOGY 3:

Course Focus: Protein Isolation and Purification, BACE Examination Prep, Pharmaceutical and Agricultural Applications of Biotechnology, Product Development

### MANUFACTURING DIRECTED STUDY (OPTIONAL):

Course Focus: Resume Development, Industry-level Research, Internship Opportunities, STEM Fair Project Development

## CERTIFICATIONS

**BACE** Biotechnic Assistant Credential Exam



**AEST**  
CERTIFIED

AG BIOTECHNOLOGY



**ESB**   
Entrepreneurship  
and Small Business

