



LEARN TO

FORMULATE SOLUTIONS • PERFORM

ASSAYS AND RECOMBINANT DNA

TECHNIQUES • CULTURE ORGANISMS

• PURIFY AND CHARACTERIZE DNA,

RNA AND PROTEINS • ISOLATE AND

PREPARE SAMPLES FOR ANALYSIS

• COLLECT AND ASSESS DATA •

OPERATE ADVANCED INSTRUMENTS

TO LEARN MORE ABOUT THIS VITALLY
IMPORTANT FIELD, VISIT FSCJ.EDU/BIOTECHNOLOGY.



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BIOTECHNOLOGY
LABORATORY
TECHNOLOGY
Associate in Science (A.S.)



Five Campuses. One College.

MAKE A DIFFERENCE

Would you like to be at the forefront of scientific discoveries that help improve lives and enhance the health of our planet? If so, biotechnology could be your field. Biotechnology uses DNA and proteins to create products that enhance our world. From health and agriculture to environmental protection and security, the capabilities are diverse and promising. Start with either a technical certificate or associate degree in Biotechnology Laboratory Technology from Florida State College at Jacksonville. You will learn biotechnology fundamentals through hands-on laboratory experiences with internship opportunities. Graduates of the biotechnology program are working in cell culture, microscopic imaging, cryogenics and genetic fingerprinting. They are quality control technicians in manufacturing facilities and food labs; some have gone on to pursue advanced undergraduate and graduate degrees.



"I WAS ABLE TO QUICKLY ASSIMILATE TO THE REAL-WORLD LAB THANKS TO THE PROFESSORS AND HANDS-ON EXPERIENCE GAINED AT FLORIDA STATE COLLEGE AT JACKSONVILLE."

Andre Shelby, FSCJ Biotechnology Graduate

WHAT YOU WILL LEARN

Your associate degree in biotechnology consists of 61 credit hours of biotechnology, biology, chemistry and general education courses that prepare you for the biotechnology and molecular biology sectors. Additionally, a Biotechnology Specialist/Manufacturing certificate (19 credit hours) and a Biotechnology Laboratory Specialist/Health Science certificate (30 credit hours) can be earned separately or within the A.S. degree.

You will train at our state-of-the-art biotechnology labs located at the Advanced Technology Center on our Downtown Campus, which contains high performance analysis equipment, advanced spectroscopy instruments, cell counters, analytical equipment and all the micro-scale measuring equipment needed to prepare you for this emerging field.



CAREERS AND CAREER ADVANCEMENT

Imagine becoming a research technician in a neuroscience or cancer biology laboratory. Imagine conducting vital environmental or food safety tests. Imagine having a variety of exciting career options ranging from bioinformatics to quality control.

The biotechnology industry is booming. As biotechnology companies increase in number, employment in the biotechnology arena continues to prosper.

CAREER OPPORTUNITIES INCLUDE:

- Bioinformatics Specialist
- Bio-manufacturing Assistant
- Laboratory Technician
- Research Assistant
- Testing Lab Technician
- Quality Control Technician
- DNA Fingerprinting