

# LEARN MORE

ABOUT CAREER AND TECHNICAL EDUCATION



# Biomanufacturing Technology

Biomanufacturing is the use of living things or their products to modify or improve human life and the environment. Examples of advances in this field include biochips and microarrays, which “read” huge amounts of DNA using the newest technology. Our students are problem solvers, who love puzzles, and are excited to be scientists through trial-and-error, in a laboratory setting.

## Primary Credentials

- National Occupational Competency Testing Institute (NOCTI)
- OSHA 10

## Projected Job Outlook

Employment of biological technicians is projected to grow 9 percent from 2021 to 2031, faster than the average for all occupations. About 12,200 openings for biological technicians are projected each year, on average, over the decade.

## Salary Information

in May 2021, the median annual wage for all workers was \$45,760.

## Employability Skills & Knowledge

Upon completion of a RIDE Approved Environmental and Life Sciences pathway, the candidate is expected to:

- Demonstrate a well-developed “laboratory sense” regarding Safety Protocols (MSDS), ID and SDS data, FDA Regulations, cGMP, GLP, SOP writing, Sterile Gowning, Documentation, Basic Laboratory Instrumentation, QualityControl Functions in Microbiology and Chemistry, Record Keeping, Aseptic Handling, and Solution.
- Have knowledge of Medical Terminology, Documentation, Basic Mathematics and Computer Skills (i.e., Word Processing and Spreadsheet Analysis), Medical Testing Equipment Knowledge, Medical History, and Review of Systems
- Documentation Knowledge, Bloodborne Pathogens, and Universal Precautions Knowledge).
- Demonstrate Soft Skills, including Interpersonal Communication, Teamwork and Collaboration, Critical Thinking, Conflict Resolution, Ethics, and Professional Demeanor.

## INTERESTED?

- Attend our open house
- Register for the entrance exam
- Complete your 8th-grade year in good standing

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