

WHAT IS BIOSCIENCE TECHNOLOGY?

BioScience uses living organisms to solve problems. The organisms used can be yeast, bacteria, other types of cells, plants or animals. Problems related to health, the environment, feeding the world, and solving crime cases are just some of the challenges that biotechnology can help solve using creative and cutting edge science.



Can YOU picture yourself in this exciting career field?



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Columbus City Schools

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BIO SCIENCE TECHNOLOGY

Ft. Hayes Career Center
Columbus City Schools



*Learn science skills
TODAY...*

*...discover solutions to
problems
TOMORROW...*

SCIENCE FOR YOUR FUTURE



Why is this program different?

Focus on:

- Lab skills and technology
- Advanced science equipment
- Research and experimentation
- Advanced content knowledge
- Opportunities for college credit, internships and/or scholarships
- Partnerships with business and industry



Jobs for All Levels of Education

Associate Degrees (2 year), Bachelor's Degrees (4 year), graduate degrees (Master's and Ph.D.) and professional degrees (M.D., D.V.M.) are all relevant in the

BioScience field! Students are highly encouraged to continue their education beyond high school. Plans are being made to help you achieve your dreams more quickly as we assist you in obtaining college credit and scholarships to Ohio colleges and universities.

What will I study?

This 2 year program emphasizes lab skills like micropipetting, pouring, inoculating and streaking agar plates, making serial dilutions, utilizing aseptic technique, microscopy and gel electrophoresis. Topics studied include: laboratory techniques and safety, plant and animal biotechnology, microbiology, and applications of genetics. Communication and leadership are also important areas of emphasis in the program. All students in the program become members of the National FFA Organization. Students successfully completing the program receive high school science and elective credit.



Teacher Credentials

Pam Snyder is a veteran teacher with Columbus City Schools. A graduate of The Ohio State University with degrees in agriculture, she holds a Lead Professional Educator License in science and career education. In addition, she is a National Board Certified Teacher (NBCT) in Early Adolescence Science. She has served the district in many capacities, including as a mentor teacher in the Peer Assistance and Review (PAR) program. She actively seeks to improve her content knowledge through attendance and leadership in many professional development opportunities. She presents workshops to teachers at the local, regional, state and national levels

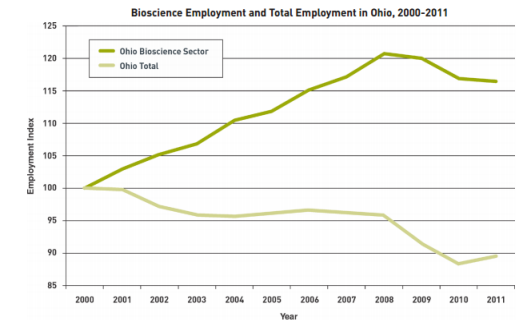
Prerequisites:

C or better in: **Algebra 1 and Biology**

Enrolled in and / or completed:

Algebra 2 and Chemistry

Students must submit a transcript as part of the acceptance procedure. Grade point averages will not be a determining factor for acceptance; however the student must have a demonstrated pattern of achievement appropriate for the intensive integration aspects of the program. Attendance will also be considered, to ensure that students will voluntarily and regularly access the program.



According to BioOhio, Bioscience employment has increased by 16.5% since 2000. During that same time, overall employment in Ohio was down 10.5%. Bioscience jobs pay an average wage of \$75,000.

Contact your school internship coordinator/counselor for information on applying for this **exciting** career-technical program!

Want additional information? Please contact
Mrs. Pam Snyder, Instructor

Phone: 614.365.6681 x 3052