Welcome!

There have been rapid advancements in the field of Biotechnology which have provided us with tremendous benefits in our lives over the last several decades. Strong continuous growth in the Biotechnology industry, and especially in our local community, demands a newly trained workforce. Our Biotechnology degree program will provide a great educational opportunity to students who want to take career paths in Biotechnology as entry-level technicians.

A transfer agreement with Indiana University will also allow our students to continue their studies to pursue bachelor’s degrees after completion of their associate’s degrees at Ivy Tech-Bloomington. On behalf of the Biotechnology program, I look forward to helping you to achieve your educational goals.

Biotechnology Curriculum and Course Descriptions

Curriculum for Biotechnology varies based on the degree or certificate and is subject to change.

Visit us online at ivytech.edu/bloomington to find recommended course curriculum and course descriptions.

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Ivy Tech Community College
200 Daniels Way
Bloomington, IN 47404

Phone (812) 332-1559
Toll-free (866) 447-0700
ivytech.edu/bloomington
Overview:
Biotechnology encompasses a wide range of industries that use living organisms or their substances to make beneficial products for humanity. Various natural sciences including cell and molecular biology, microbiology, genetics, physiology, and biochemistry, as well as medicine, engineering, and computer science are subdisciplinary areas of biotechnology. In the last two decades we have seen remarkable advances in many aspects of biotechnology; new diagnostic procedures for diseases such as cancer, development of drugs for the treatment of diseases, genetic alterations of plants and animals, and production of bacteria that clean up toxic waste.

In the 21st century, we have tremendous potential to advance the field of biotechnology in order to improve the quality of life for humanity. Rapid expansion of the biotechnology industry in central Indiana demands a highly-trained workforce.

Biotechnology Degrees:

ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE
Associate of Applied Science degree programs prepare students for careers, career changes and career advancement. AAS programs may also prepare students for transfer to four-year institutions. The program content, which is approximately 30 percent general education, provides depth and breadth in conceptual and professional/technical skills. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce.

ASSOCIATE OF SCIENCE (AS) DEGREE
Associate of Science programs typically contain 40 percent or more general education, with the balance in technical and profession courses. The coursework provides students with a foundation for transfer to a related baccalaureate program at a four-year institution, and equips students with skills for the job market.

The complete Ivy Tech Associate of Science Degree in Biotechnology transfers seamlessly to Indiana University - Bloomington.

Careers in Biotechnology:

Laboratory Technician
Production Line Operator
Quality Control Technician
Research Associate
Document Specialist
Quality Assurance Associate
Manufacturing Associate
Process Development Associate

Transfer Options:
The complete Ivy Tech Associate of Science Degree in Biotechnology transfers seamlessly to Indiana University - Bloomington.

Many other four-year institutions accept credits from the Ivy Tech Biotechnology program.

Indiana Center for the Life Sciences
Beginning in January 2009, Ivy Tech biotechnology students will have classes in the Indiana Center for the Life Sciences, a multi-faceted facility that houses labs, classrooms and industry training space.