

# Degree Programs

Ivy Tech Community College - Bloomington offers an Associate of Science degree in Biotechnology and Associate of Applied Science Degrees in Biotechnology and Biotechnology Regulatory Affairs. Our degree programs prepare students to develop careers in a variety of life science laboratory and manufacturing settings including research

and development, quality control and assurance, pharmaceutical and medical device manufacturing processes. In addition, our degree programs can prepare students to transfer their credits to four-year institutions where they can work toward advanced degrees.

## Associate of Applied Science (AAS) in Biotechnology

This two-year Associate of Applied Science program concentrates on technical and professional development courses that are directly applicable to the field of biotechnology. The program emphasizes in teaching students applications such as analysis of biological molecules, recombinant DNA technology, cell culture skills using bioreactors and fermentors, and small and large scale biomolecule purification. Key program objectives include practicing within full compliance of the biotechnology regulatory environment, and practicing good documentation, laboratory and plant safety skills.

### Concentration in Regulatory Affairs

Regulatory affairs is an area within certain industries, such as food, pharmaceutical and medical device industries, that ensures company compliance with mandated governmental regulations. Regulatory Affairs professionals work with federal (FDA or EMA), state, and local regulatory agencies and personnel on specific issues affecting their business. This Associate of Applied Science program emphasizes in teaching students applications such as food and drug law, product life cycles, clinical trials, post market issues, technical writing and risk management.

## Associate of Science (AS) in Biotechnology

The two-year Associate of Science program concentrates on general education requirements, such as math, English, foreign language and natural and social science courses, providing a strong foundation for advanced study of biotechnology at Indiana University in Bloomington.

