

Program Learning Outcomes Biotechnology

Biotechnology program goal: Students who graduate from the Biotechnology major will be critical thinkers who are able to successfully translate modern biological knowledge into useful products for the betterment of society.

1. Graduates will understand the fundamental principles of molecular biology, biochemistry, genetics, gene manipulation, gene transfer, and bioinformatics
2. Graduates will understand how biotechnology is used to make pharmaceuticals, improve agriculture, develop novel biofuels, and clean up the environment
3. Graduates will be able to effectively work in a laboratory setting focused on biotechnological research
4. Graduates will be able to identify, analyze and communicate ethical and sociological issues associated with biotechnological advances.