
CAREERS IN BIOTECHNOLOGY



Job Shadow Program *Engineering & Operations*

About the Program: Career opportunities in biotechnology continue to grow as the industry diversifies and expands, creating incredible long-term career options for students looking at higher education programs.

NCERC's job shadow program is a one-day experience for high school students interested in learning about biotechnology and how it intersects with various fields, such as chemistry, biological sciences, business and more. Prior to, an NCERC staff member will visit briefly with the student to learn about their interests and then set up the agenda with various members of NCERC's staff that work in fields relevant to the student's interests.

The program allows junior- or senior-level high school students to get exposure to these careers by job shadowing full-time NCERC staff who work in our facility on research projects.

Engineering & Operations: Careers in this field are ideal for those who like to think outside of the box and create solutions to complex problems. Production of bio-based chemicals, fuels, and products will grow significantly over the next several decades, providing exciting opportunities for those who like engineering, science, and math and use their expertise to design new production processes and create environmentally-friendly products.

Examples of Job Titles in this Field:

- Operating Technician/Engineer
- Facilities Manager
- Plant Manager
- R&D Engineer
- Project Management Engineer
- Environmental, Health & Safety Engineer

Degree Programs to Prepare You for this Field:

- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Computer Engineering
- Industrial Engineering
- Agricultural Engineering



NCERC at SIUE

Advancing Biorenewables Research



Learn more about NCERC and the Careers in Biotechnology
Job Shadow Program at [EthanolResearch.com!](http://EthanolResearch.com)