

Laboratory Furniture

ECI's modular design lab furniture allows a wide range of custom configurations. From island-style workstations with convenient storage bases to mobile units, this furniture fits beautifully into every lab. It is constructed with fine craftsmanship. Durable high-quality materials and rugged hardware ensure that it will stand up for years. A variety of wood grains and color combinations are available.



Storage Solutions

Function always follows form with ECI lab furniture. Die-cut foam storage inserts organize your equipment and assist in component inventory. Each drawer and door has its own key lock to provide added inventory control during and after class.

More From ECI:

Applications in Biotechnology

- Chapter 1 Examining the Role of Plant Biotechnology
- Chapter 2 Examining Biotechnology's Role In Medicine
- Chapter 3 Food Science and Biotechnology
- Chapter 4 Applying Biotechnology to the Environment
- Chapter 5 Understanding Bioengineering and Nanotechnology
- Chapter 6 Immunology
- Chapter 7 Examining Ag-Bioethics
- Chapter 8 Examining All Aspects of Industry

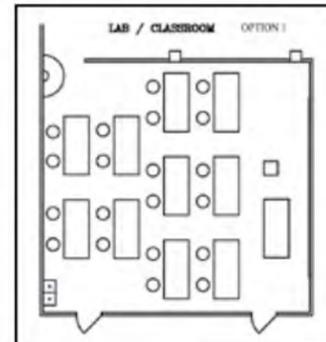
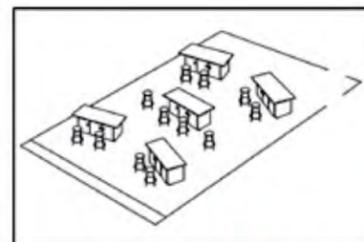
Material Science Technology

An innovative and motivating laboratory course including these units: *Solids, Metals, Ceramics, Polymers, and Composites.*

Complete Customer Service

Our experienced salespeople will help you with your purchasing needs by providing budgetary pricing and detailed specifications. They can provide a total turnkey operation including equipment, storage benches, and blueprint layouts of your new laboratory.

ECI also supports your purchase by providing instructor training and equipment orientation, initial inventory of equipment, and a toll-free telephone number for technical support from our competent engineers.



New England Academic Representative:



Technology Education Concepts

1-800-338-2238 | www.TECedu.com | info@TECedu.com

Foundations in Agriculture Biotechnology

New England Academic Representative:



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What is Ag-Biotechnology?

Biotechnology is revolutionizing how food is grown and produced

ECI's **Foundations In Ag-Biotechnology** Course is a contextual learning course that is designed to form the introduction of a course ideally suited for both science and technology applications. The Student Textbook and Student Laboratory Manual are directly correlated. The laboratory portion combines questioning, observing, creating, experimenting and scientific inquiry to learn about the science and engineering applications that are used in biotechnology. Students will perform experiments that actually show how biotechnology is used in different fields throughout the industry.

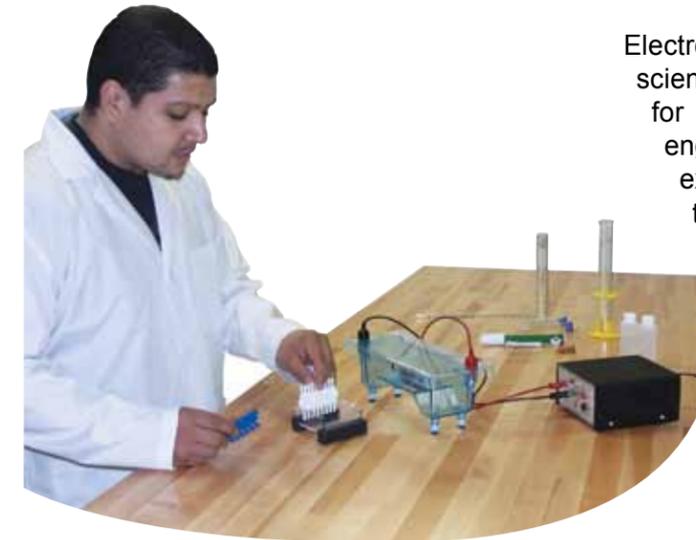
Some of the areas that apply biotechnology are veterinary medicine, pharmaceuticals, plant growth and harvest, immunology, environmental science, bioengineering, nano-technology, and food processing. The job market in ag-biotechnology is increasing and will provide career opportunities for years to come.

Foundations in Ag-Biotechnology

- Chapter 1 Foundations In Ag-Biotechnology
- Chapter 2 Careers related to Ag-Biotechnology
- Chapter 3 Basics of Biology & Microbiology
- Chapter 4 Basics of Chemistry
- Chapter 5 Understanding Bioprocessing
- Chapter 6 Investigating Genetic Engineering
- Chapter 7 Exploring Biochemistry
- Chapter 8 Investigating Modern Farming

Text Book

The text book is written to provide a broad overview of the concepts that are foundational to biotechnology as well as to describe many of the different ways Ag-biotechnology is applied in industry. The text is clearly written and professionally illustrated.

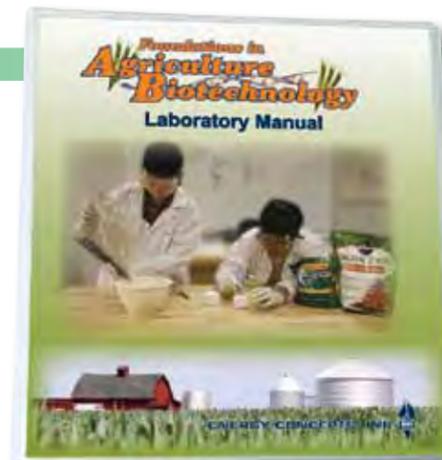


One of the major issues in farming today is fungus destroying crops. New technology to evaluate how to remedy this situation will be tested for use in farming applications.

Electrophoresis technology is a foundation of ag-biotechnology science. It can be used to compare fragments of DNA for comparison and evaluation applications in genetic engineering. Students will use this equipment in several experiments and learn what can be accomplished with this technology.

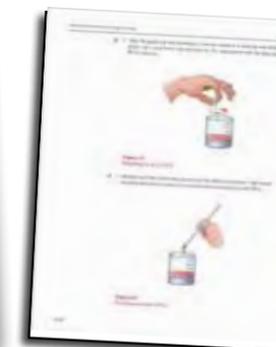


The Foundations in Biotechnology course consists of eight chapters. The text book and laboratory manual come with a summary, glossary, appendix and index.



Laboratory Manual

ECI's Laboratory Manual is designed to help the student develop a thorough understanding of the subject matter. Clearly written and professionally illustrated, the manual provides the most specific laboratory setup and easy-to-use procedures available.



Instructor's Resource Guide

A comprehensive Instructor's Guide is included to provide coordination and efficient equipment utilization. It contains scheduling guides, helpful hints and tips, and demonstrations. The Instructor's Guide includes sample data, expected results, and answers for easy comparison to each student's results.

Student Journal

A clear, easy to follow format for students' interpretations and answers is available. The flexible design allows for expansion with additional journal notes when needed. The layout of the journal encourages greater comprehension on the students' part and allows for a permanent record for future reference.

