

# FORENSIC SCIENCE I & II



New England Academic Representative:



Technology Education Concepts

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

## ENERGY CONCEPTS, INC.



## What is Forensic Science I & II

The forensic science program is comprised of two courses, **Forensic Science I** and **Forensic Science II**. Forensic science is the application of basic biological, chemical and physical science principles along with various technological practices for the purpose of justice in the study of criminal and civil issues. Some of the major themes of study in this course include: careers in forensic science, chemical and physical properties of evidence, evidence collection, processing and analysis of trace evidence, document preservation and analysis, fingerprint analysis, DNA analysis, blood spatter evidence, toxicology, serology, drug identification and testing, ballistics, tool marks, anthropology, determining the cause and time of death, and ethics. This course utilizes and integrates many disciplines including the following: anatomy, mathematics, language arts, social studies (law and history), chemistry, biology, earth science, physical science, technology, and information systems. The focus on forensics in the media has made forensic investigations well known and is interesting to students.

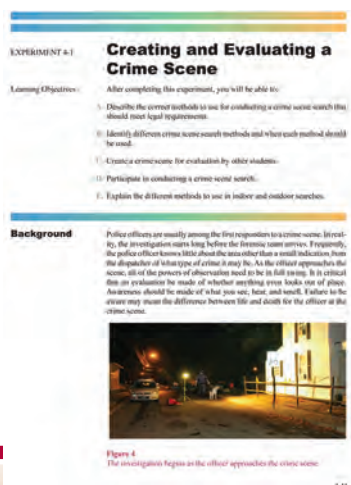
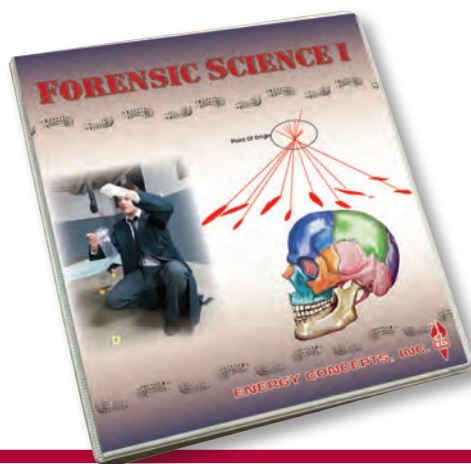


### Forensics I

- Introduction to Forensic Science
- Careers Related to Forensic Science
- Chemical and Physical Properties of Evidence
- Evidence Collection (Evaluation of a Crime Scene)
- Processing and Analysis of Trace Evidence
- Documents and Data Preservation Analysis
- Fingerprint Analysis
- Use of DNA in Forensic Investigations

### Forensics II

- Blood Spatter Analysis
- Use of Toxicology in Forensics
- Use of Serology in Forensics
- Drug Identification, Analysis and Testing
- Ballistics and Tool Mark Impressions
- Forensic Anthropology
- Determining the Time and Cause of Death to Human
- Ethics and Its Role in Forensics
- Crime Scene Investigation – A mock crime scene



## 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 student's 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 student's part and allows for a permanent record for future reference.

## 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

Form always follows function 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.

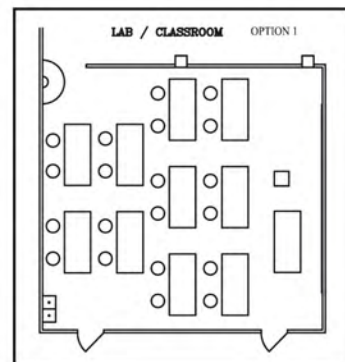
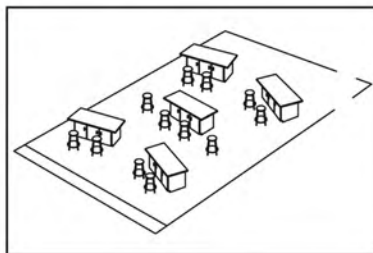
## More From ECI: Material Science Technology

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.



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