

# Engineering Technology Basics EBT1

## Type

Technical Certificate of Credit

The Engineering Technology Basics certificate program provides training in core engineering techniques. These techniques include drafting and design, complex mathematical calculations, and force evaluation. Topics also include engineering project write-ups, presentation, evaluation, and safety.

\* Students must choose one of the following options:

- Biology Cluster Option (8 hrs)
- Chemistry Cluster (8 hrs)
- Physics Option (4 hrs)
- ECET Option (4 hrs)

## Required Courses

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
MATH 1111	College Algebra	3
MATH 1113	Precalculus	3
ENGT 1000	Introduction to Engineering Technology	3

## Biology Cluster Option

Item #	Title	Credits
BIOL 1111	Biology I	3
BIOL 1111L	Biology Lab I	1
BIOL 2107	Biological Principles I	3
BIOL 2107L	Biological Principles I Lab	1

## Chemistry Cluster Option

Item #	Title	Credits
CHEM 1151	Survey of Inorganic Chemistry Lab	3
CHEM 1151L	Survey of Inorganic Chemistry Lab	1
CHEM 1211	Chemistry I	3
CHEM 1211L	Chemistry Lab I	1

## Physics Option

Item #	Title	Credits
PHYS 1111	Introductory Physics I	3
PHYS 1111L	Introductory Physics I Lab	1

## ECET Option

Item #	Title	Credits
ECET 1101	Circuit Analysis I	4

# Drafting Course

\* Choose one of the following:

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 2010	Engineering Graphics	4
Minimum Credit Hours for Graduation		20