

ENGINEERING TECHNOLOGY - ASSOCIATE IN SCIENCE

Plan Code: 2521

This program provides students with a fundamental knowledge of the, engineering technology field, engineering design and principles of engineering technology. This degree program develops students' critical thinking skills through application of principles of engineering to solve design, manufacturing and automation problems in the field. Students will be able to design and create products by selecting appropriate materials and tools while applying tolerancing standards for quality products. This program prepares students for transfer to a California State University.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Apply principles of engineering technology to design problems and constraints.

Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
REQUIRED COURSES		
ETEC 10	Introduction to Engineering Technology	2
PHYS 2A	General Physics	4.5
PHYS 2B	General Physics	4.5
MATH 60/60H	First Calculus Course	5
ETEC 60	Material Science for Engineering Tech	3
CAD 4	Geometric Dimensioning and Tolerancing	3
Subtotal Units		22
IN ADDITION, complete THREE (3) units from the following:		
CAD 1	Intro Computer Aided Design SolidWorks (3)	
CAD 2	Intro to Computer Aided Design AutoCAD (3)	
CAD 3	Intro to Computer Aided Design CATIA (3)	
Subtotal Units		3
Required Subtotal		25
Complete one of the following: ¹		19-39
LBCC General Education (Plan A) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/)		
CSU GE Breadth (Plan B) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/)		
IGETC Pattern (Plan C) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/)		
Electives (as needed to reach 60 degree-applicable units) ²		
Minimum Degree Total		60

¹ Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

² Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.