ENGINEERING TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3521

This program provides students with a fundamental knowledge of the, engineering technology field, engineering design, and principles of engineering technology. This certificate program develops students' critical thinking skills through applying the principles of engineering to solve design, manufacturing and automation problems in the field. Students will be able to create and innovate on products and manufacturing processes by, recognizing, analyzing real world processes to improve process to eliminate waste in lean manufacturing settings.

Program Student Learning Outcomes

- Apply principles of engineering technology to design problems and constraints.

Program Requirements

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**
Total Units		**25**