

MECHANICAL ENGINEERING TECHNICIAN – CERTIFICATE OF ACHIEVEMENT

Top Code:

0924.00

The Mechanical Engineering Technician program provides a hands-on educational experience to prepare students for successful entry-level careers in mechanical and manufacturing engineering technology, including mechanical engineering technicians, engineering technicians (except drafters), electro-mechanical technicians, and industrial engineering technicians. Mechanical engineering technicians utilize mechanical design and the process of developing a product that can improve society. The certificate will produce technicians who are able to analyze, design, implement and maintain mechanical systems, communicate effectively, and work well on team-based projects. The program exposes students to the skills and knowledge that will make them competitive in the job market.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Program Outcomes

- Manipulate the mechanical system to create a finished product through design process.
- Analyze the mechanical systems to address improvements in the design and prototyping processes.
- Develop a technical project that includes testing and documentation.

Requirements for the Certificate of Achievement

Code	Title	Units
DT 008A	INTRODUCTION TO DIGITAL DESIGN AND FABRICATION	3-4
or ENGR 002	ENGINEERING GRAPHICS	
or MIT 101	INTRODUCTION TO ROBOTICS	
DT 008B	INTERMEDIATE DIGITAL DESIGN AND FABRICATION	3
DT 008C	ADVANCED SYSTEMS DESIGN AND FABRICATION	4
DT 150	READING ENGINEERING DRAWINGS	1
ENGR 010	INTRODUCTION TO ENGINEERING	2
Total Units		13-14

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/35afad1b-8598-4ecf-a320-0ed4834a7df8/programs/b59a3ad1-62e1-2e9d-2877-8640c9a1acb9/>) for a suggested sequence of courses.

This Certificate of Achievement is not eligible as a major for an Associate Degree.