DEGREES & CERTIFICATES

ENGINEERING TECHNOLOGY ASSOCIATE OF SCIENCE (AS)

About the Program

The Associate of Science in Engineering Technology program at Las Positas College is designed for those who want a hands-on engineering career with a focus on mechanical technology in an applied setting. The emphasis is on Mechanical Engineering applications and developing an understanding of how engineering, technology and manufacturing principles are applied in practice. The program provides students with foundational knowledge in mathematics, critical thinking, problem solving, and engineering design, as well as skills in manufacturing, fabrication, and welding so that students are able to adapt to the ever-changing modern industrial workplace. Students may also choose to continue their education towards a degree in a related engineering discipline.

Program Goals and Objectives

The Associate of Science in Engineering Technology program at Las Positas College is designed for those who want a hands-on engineering career with a focus on mechanical technology in an applied setting. Students receive foundational training in engineering, mathematics, physics, and welding, and develop skills in manufacturing and fabrication, problem-solving, and critical thinking.

Career Opportunities

Graduates of the program may find employment as mechanical technicians, mechanical technologists, stationary engineers, or in other applied engineering fields and may collaborate with scientists, engineers, designers, and manufacturing professionals.

Program Outcomes

- · Upon completion of the AS in Engineering Technology, students are able to set up appropriate laboratory equipment, collect and analyze data, draw conclusions, and clearly communicate results.
- Upon completion of the AS in Engineering, students are able to use a variety of technological tools to solve engineering problems.
- Upon completion of the Certificate of Achievement in Engineering Technology, students are able to use a variety of technological tools to solve software engineering problems.

Required Core: (27 Units) MATH 39 Trigonometry.......4 List A: Select One Group (4 Units) List B: Select One (3 Units) Total Units for the Major......34 Program-Based GE: (3 Units)