



PROCESS IMPROVEMENT TECHNICIAN / RESEARCH TECHNICIAN /  
INDUSTRIAL/TECHNOLOGY MANAGER

# MECHANICAL ENGINEERING TECHNOLOGY

Launch your career as a qualified technician in industry or research by mastering the application of basic mechanical engineering principles.



AAS OR CERTIFICATE

HANDS-ON EXPERIENCE

TECHNICAL  
SKILLS



CREATIVITY



Qualify for  
PROFESSIONAL  
CERTIFICATION



**GASTON**  
COLLEGE

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# MECHANICAL ENGINEERING TECHNOLOGY



## PROGRAM BENEFITS

### Practical Knowledge

Gain the knowledge needed to perform real-world tasks by studying the subjects that are the foundation of the world around us.

### Many Career Options

By becoming a trained and qualified technician, you can go into industry or research and specialize in areas like process improvement, technical service, etc.

### AAS or Certificate

You can get your Associate in Applied Science degree or a Certificate in Mechanical Engineering Technology. There is also an option to earn a diploma in just one year.

### Become a Certified Professional

This program is accredited by the Technology Accreditation Commission of ABET (Accreditation Board for Engineering & Technology) and with your AAS you can qualify for professional certification from a number of organizations.

## SPECIFIC COURSES

### Engineering Materials

Get an intro to the physical and mechanical properties of materials, with topics including materials testing, pre- and post-manufacturing processes, and material selection of metals, plastics, composites, and non-conventional materials.

### Engineering Graphics

Gain basic engineering graphics skills, including sketching, selection and use of current methods and tools, and the use of engineering graphics applications.

### Machine Design

You will learn the basic principles underlying design and selection of machine elements, including stress analysis, selection of components, power transmission, and other design considerations.

### Fluid Mechanics

Discover the physical behavior of fluids and fluid systems. The course covers fluid statics and dynamics, laminar and turbulent flow, Bernoulli's Equation, components, applications, and other related topics.

### Manufacturing Processes

Learn the fundamental principles of value-added processing of materials into usable forms for the customer and be able to specify appropriate manufacturing processing for common engineering materials.

**WANT TO LEARN MORE?** Contact us to schedule your campus visit.

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**APPLY TODAY!**