



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**

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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.

704.922.6232 • gaston.edu

APPLY TODAY!