



Athens Technical
College Presents:

Engineering Technology
Industrial Systems Technology
Machine Tools Technology
Manufacturing Operations Specialist
Mechatronics
Welding & Joining Technology



ATHENS
TECHNICAL
COLLEGE

AN ACHIEVING THE DREAM COLLEGE

Engineering Technology



If you have a passion for **problem solving**, have always been curious about how and why things work, or enjoy “**tinkering around**,” you might want to consider a career in engineering technology.

Brief Description

- Graduate placements range from industrial and manufacturing companies, to working in environments where you **apply your abilities using technical equipment and working on team** projects.
- Engineering technology technicians literally **create the objects we depend on**, from smartphones to suspension bridges, and everything in between.
- The job of an engineering technician requires a skill set of knowing how to bring new ideas to life and using an **applied science** approach. Utilizing learned engineering techniques and skills in **mathematical calculations, problem solving, drafting and design** will be essential in this career field.

Industrial Systems Technology



- Do you think you would enjoy working with industrial electrical equipment?
- Do you enjoy troubleshooting and trying to fix broken equipment, motors, or machines?
- Do you like the idea of working with robots in a manufacturing environment?

Industrial Systems Technology may be just the field for you.

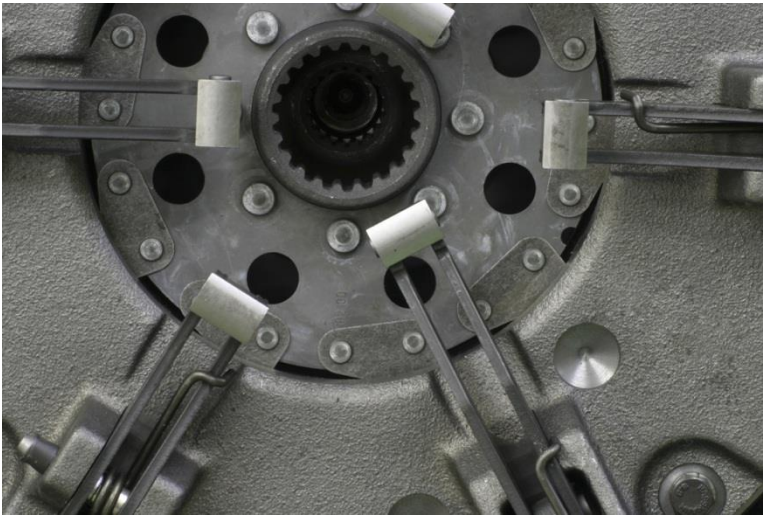
Brief Description

Industrial Systems Technology is an industry where anyone can build their future. In this industry you will train with some of the state of the art equipment on a day to day basis. The job may include testing, repairing, and maintaining electrical equipment. Industrial Systems offers jobs such as industrial electricians which are increasingly needed in the industrial world today. Skill set to work with different types of robots and advanced industrial and maintenance equipment is important.

Being an industrial electrician requires a diverse skill set including the ability to work hands on with equipment and infrastructures to fix a problem. This requires working in a team environment, problem solving skills, and mechanical aptitude as well as efficient communication skills.



Machine Tools Technology



- Are you ready for a **challenging, fun, and rewarding career?**
- Do you have the expertise skills in **math, computer programming and problem solving?**

Look no further than, Machine Tools Technology career

Brief Description

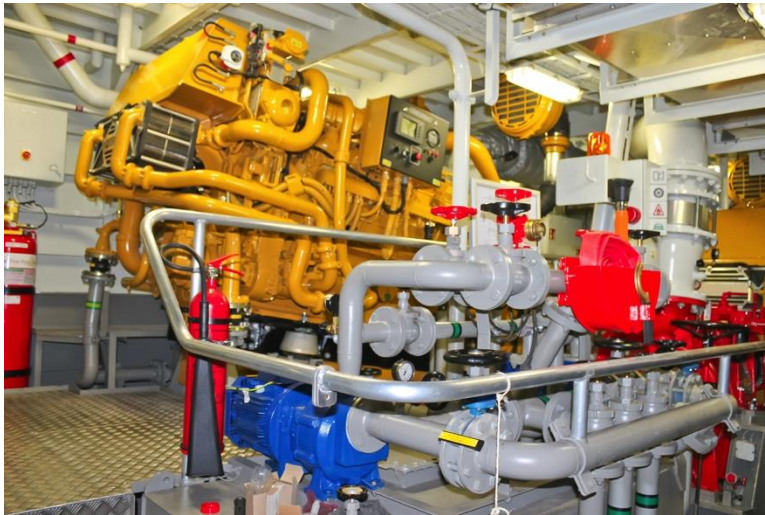
Machinists work in every conceivable kind of industry.

Machinist make the parts and tools required to produce everything that is manufactured including the cars we drive in and the planes we fly. The type of work is usually challenging, fun, and rewarding.

Being a modern machinist requires a diverse skill set including the artistic ability to take a piece of raw material and turn it into a finished product. This requires a keen eye for good quality.



Manufacturing Operations Specialist



Does maintenance, supply and logistically thinking clutch your attention?

**Manufacturing Operations Specialist
may be your place.**

Brief Description

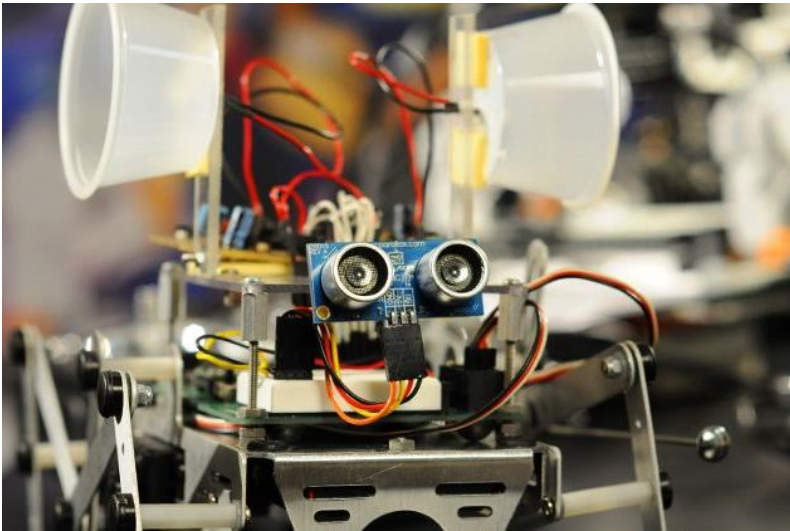
Manufacturing Operations Specialist work in maintenance, production, quality, and inventory areas.

The type of work that they perform requires the skills for viewing the ending manufacturing process with efficiency.

Being a Manufacturing Operations Specialist will require details for every level of operation.



Mechatronics



- Do you have skills that may qualify for electronics and engineering?
- Do you have a niche for robots and high performance devices?

Mechatronics may be the career for you.

Brief Description

Mechatronics is an emerging field of engineering in today's world. The devices have become very common in our technologically advanced society. **Mechatronics systems are referred to as “smart devices” due to their incorporation of sensors, actuators and computer systems.**

Mechatronic engineers can work in any company that designs, develops, and manufacturers smart devices. Mechatronic devices such as robots, automation and computers are used in our everyday lives.

Welding & Joining Technology



- Do you enjoy working with your hands?
- Are you detailed- oriented?
- Do you like building things?

A career in welding may be just right for you.

Brief Description

Welders are an important part of modern industry and work in a variety of settings. **Opportunities abound in the new energy economy and in established sectors such as oil, construction, ironworking, and manufacturing,** to name but a few.

Being a welder requires a diverse set of skills including the ability to join pieces of metal together by using gas and fire to heat metal creating solid secure joints that hold together under stress. This requires knowledge and skills about metal layout, cutting, preparing, and installing pieces to form a complete product. Good welders often are entrepreneurial and start their own welding shops.