

# MY NEXT MOVE

## Industrial Engineering Technologists & Technicians

**Also called:** Industrial Engineering Technician, Manufacturing Technology Analyst, Quality Control Engineering Technician (QC Engineering Technician), Quality Technician

### What they do:

Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency.

### On the job, you would:

- Test selected products at specified stages in the production process for performance characteristics or adherence to specifications.
- Compile and evaluate statistical data to determine and maintain quality and reliability of products.
- Study time, motion, methods, or speed involved in maintenance, production, or other operations to establish standard production rate or improve efficiency.

## KNOWLEDGE

### Engineering and Technology

- mechanical
- product and service development

### Manufactured or Agricultural Goods

- manufacture and distribution of products

### Math and Science

- arithmetic, algebra, geometry, calculus, or statistics
- physics

### Arts and Humanities

- English language

## SKILLS

### Basic Skills

- reading work related information
- listening to others, not interrupting, and asking good questions

### Problem Solving

- noticing a problem and figuring out the best way to solve it

### People and Technology Systems

- figuring out how a system should work and how changes in the future will affect it

- measuring how well a system is working and how to improve it

## ABILITIES

### Verbal

- listen and understand what people say
- read and understand what is written

### Ideas and Logic

- make general rules or come up with answers from lots of detailed information
- notice when problems happen

### Math

- add, subtract, multiply, or divide
- choose the right type of math to solve a problem

### Attention

- pay attention to something without being distracted

## PERSONALITY

People interested in this work like activities that include **ideas, thinking**, and figuring things out.

They do well at jobs that need:

- **Attention to Detail**
- **Dependability**
- **Analytical Thinking**
- **Stress Tolerance**
- **Cooperation**
- **Integrity**

## TECHNOLOGY

You might use software like this on the job:

### Computer aided design CAD software

- Bentley MicroStation 🔥
- Dassault Systemes SolidWorks 🔥

### Desktop communications software

- Eko

### Industrial control software

- Supervisory control and data acquisition SCADA software
- VIA Information Tools MAN-IT

## EDUCATION



some college or  
associate's degree

usually needed

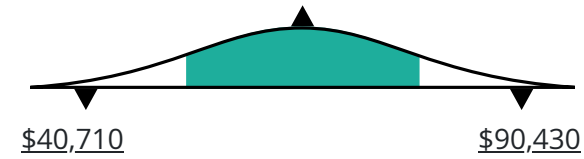
## JOB OUTLOOK



New job opportunities are **less likely** in the future.

**Below Average**

SALARY: **\$61,210**



## EXPLORE MORE

- [Calibration Technologists & Technicians](#)
- [Electrical & Electronic Engineering Technologists & Technicians](#)
- [Industrial Engineers](#)
- [Manufacturing Engineers](#)
- [Mechanical Engineering Technologists & Technicians](#)

You might like a career in one of these industries:

- [Manufacturing](#)
- [Professional, Science, & Technical](#)