

Defining Engineering Technology

What is the Engineering Technology field?

Engineering Technology is a career field that applies the principles of engineering, science, math, technology, management, and manufacturing to ensure process and product quality to satisfy internal and external customer demand in a global market.

What is an Engineering Technician?

An Engineering Technician applies practical knowledge, skills, and abilities by performing production, maintenance, and troubleshooting tasks to develop and support world-class manufacturing and engineering systems.

Design

Computer-Aided Design (CAD) Technician
 Computer-Aided Manufacturing (CAM) Technician
 Controls Design Technician
 Finite Element Analysis (FEA) Technician
 Product Test Technician
 Prototype/Model Maker

Health, Safety, & Environmental

Environmental Technician
 Ergonomics Technician
 Safety Coordinator
 Safety Systems Designer
 Safety Technician

Logistics

Distribution Technician
 Export/Import Specialist
 Packaging Technician
 Procurement Specialist/Supply Chain Technician
 Production Planner/Scheduler
 Traffic Controller
 Warehouse Manager

Manufacturing/Production

Automation Specialist
 Computer Numerical Control (CNC) Programmer
 CNC Specialist
 Finishing/Paint Technician
 Manufacturing Coordinator
 Materials Specialist
 Robotics Specialist
 Tooling Technician

Plant Maintenance

Controls Technician
 Electrical Technician
 Facilities Technician
 Hydraulics Technician
 Maintenance Technician

Process Development & Improvement

Lean/Continuous Improvement (CI) Technician
 Manufacturing Engineering Technician (MET)
 Materials Requirements Planning (MRP)/Enterprise Requirements Planning (ERP) Technician
 Reliability Engineer

Product Support & Sales

Customer Support Technician
 Field Sales Engineer
 Product Trainer
 Service Engineer
 Technical Writer

Project Management

Project Coordinator
 Advanced Product Quality Planning (APQP) Coordinator

Quality

Quality Assurance/Quality Control (QA/QC) Coordinator
 QA/QC Technician
 Field Test Technician
 International Organization for Standardization (ISO) Administrator
 Standardization Technician

