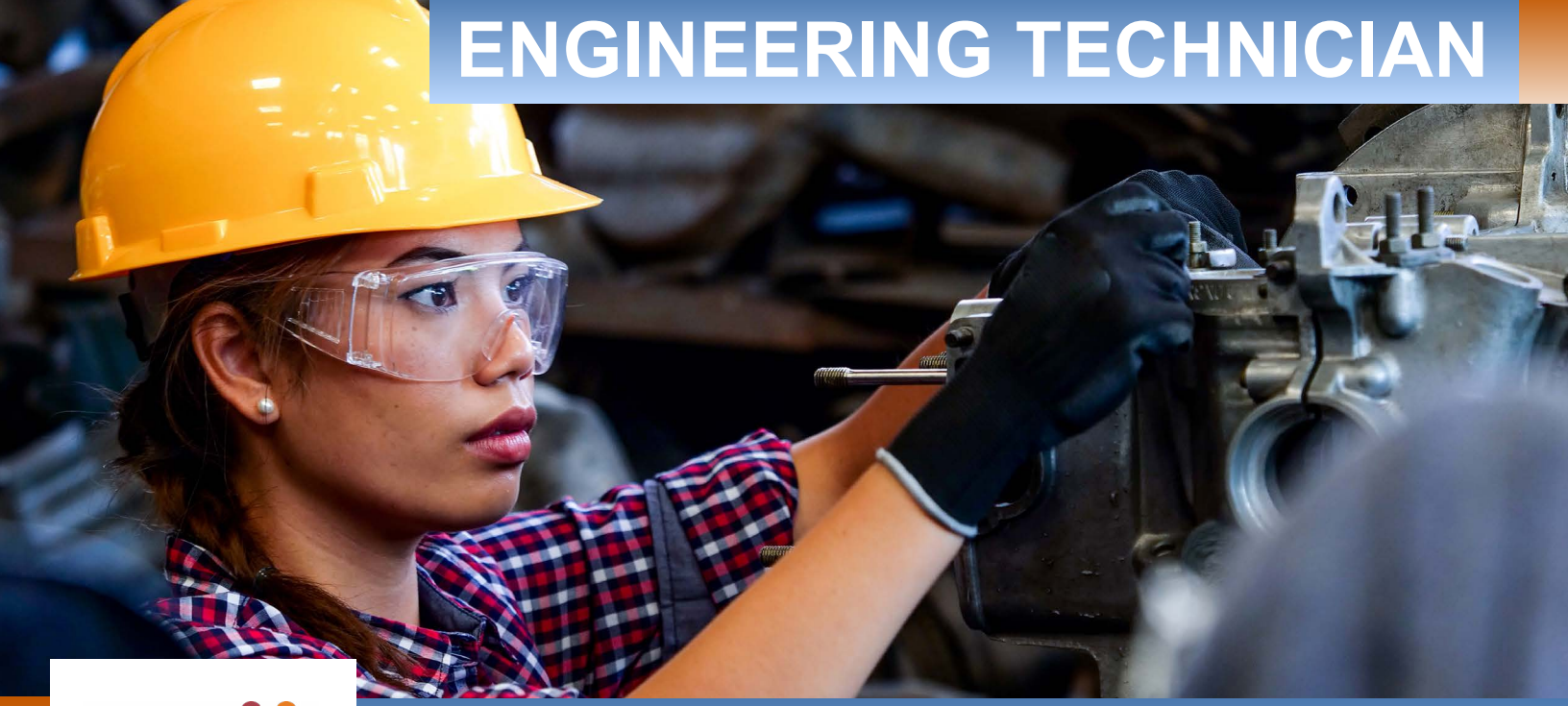
ENGINEERING TECHNICIAN



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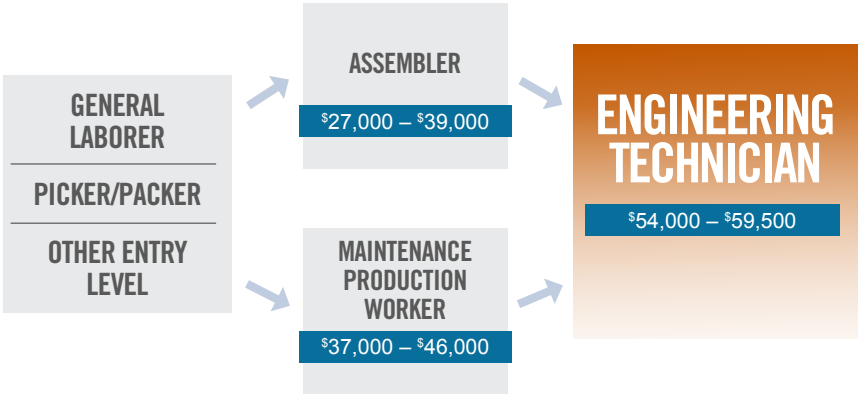
PREPARE FOR A CAREER AS AN ENGINEERING TECHNICIAN

The Engineering Technician courses are aimed to get you the skills needed to become a Manufacturing Engineering Technician.

Key tasks for a Manufacturing Engineering Technician may include:

- Providing a variety of support to production, quality, and engineering teams.
- Testing, troubleshooting, and identifying solutions for improving manufacturing systems, processes, and products.
- Focusing on continuous improvement.
- Providing root cause analysis and corrective actions.
- Redesigning or modifying equipment and tooling for improved efficiency, quality, and cost.



Salary information is the average national salary range for the job role.
Source: U.S. Bureau of Labor Statistics

The average national salary range for **engineering technicians** is

$54,000 -$59,500

Source: U.S. Bureau of Labor Statistics

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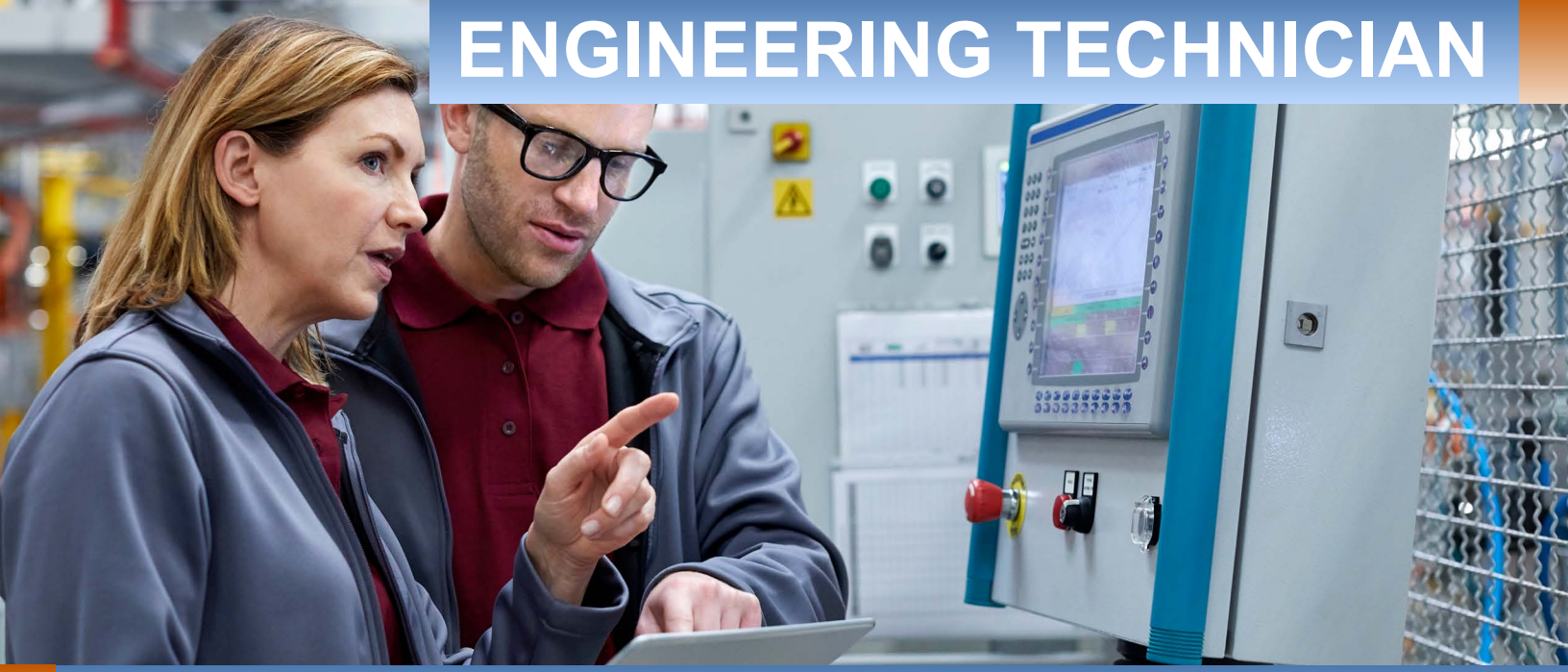
ENGINEERING TECHNICIAN



The Engineering Technician courses are offered in 2 bundles. Each individual course item takes 1 hour, on average, to complete. Check out the main page: manpower.com/map for more general eligibility terms and guidelines.

ENGINEERING FUNDAMENTALS

- Additive Manufacturing Methods and Materials
- Additive Manufacturing Safety
- Introduction to Additive Manufacturing
- Introduction to CAD and CAM for Machining
- AC Fundamentals
- DC Circuit Components
- Electrical Units
- Introduction to Circuits
- Introduction to Assembly
- Basics of Tolerance
- Blueprint Reading
- Lean Manufacturing Overview
- Essentials of Heat Treatment of Steel
- Introduction to Ceramics
- Introduction to Composites
- Introduction to Mechanical Properties
- Introduction to Metals
- Introduction to Physical Properties
- Introduction to Plastics
- Cutting Processes
- Algebra Fundamentals
- Geometry: Circles and Polygons
- Geometry: Lines and Angles
- Geometry: Triangles
- Statistics
- Trigonometry: Sine, Cosine, Tangent
- Trigonometry: The Pythagorean Theorem
- Units of Measurement

ENGINEERING TECHNICIAN

- Basics of G Code Programming
- Parallel Circuit Calculations
- Series Circuit Calculations
- Introduction to Hydraulic Components
- Introduction to Pneumatic Components
- The Forces of Fluid Power
- Introduction to GD&T
- SPC Overview
- Troubleshooting
- Classification of Steel
- Ferrous Metals
- Hardness Testing
- Nonferrous Metals
- Thermoplastics
- Thermosets
- Forces of Machines
- Power Transmission Components
- Drill Tool Geometry
- Lathe Tool Geometry
- Mill Tool Geometry
- Basics of Ladder Logic
- Introduction to PLCs
- PLC Timers and Counters
- Basic Ladder Diagram Programming for Siemens PLCs
- Basics of Siemens PLCs
- Siemens PLC Communication
- Equipment/Tool Design and Development
- ISO 9001:2015 Review
- Process Design and Development
- Product Design and Development
- Production System Design and Development
- Quality and Customer Service
- Automated Systems and Control
- Hand and Power Tool Safety
- Applied and Engineering Sciences
- Manufacturing Process Applications: Part I
- Manufacturing Process Applications: Part II
- Punch and Die Operations
- Manufacturing Management
- Personal Effectiveness
- Introduction to Welding Processes
- Fixture Design Basics
- Supporting and Locating Principles

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