



## APPRENTICESHIP PROGRAM

### Advanced Manufacturing Technician

#### What is an Advanced Manufacturing Technician?

Advanced Manufacturing Technicians manufacture, maintain and monitor high-tech and complex industrial systems. Technicians build or repair machinery, equipment and mechanical parts, and assemble these into working systems. After setting up the machines, they monitor them to ensure they are working properly; if malfunctions occur during operations, the technician identifies the cause of the malfunction and determines the solution.

#### What are the daily duties of an Advanced Manufacturing Technician?

Jobs and daily duties can vary widely based on company and role. One day a technician may be fabricating metal components and identifying the fault in a hydraulics circuit, another day they may be troubleshooting a robotics system or commissioning new machinery. Typical areas of operation are machine building, industrial maintenance, and manufacturing of precision devices.

#### What types of skills make an Advanced Manufacturing Technician successful?

Successful technicians work safely and understand the appropriate precautions. Technicians need to understand a wide variety of technologies, from metalworking to hydraulics to electrical circuits. They understand how systems work together and analyze problems for effective troubleshooting. Technicians enjoy solving problems and have strong attention to detail, especially when it comes to correct documentation.

Finally, a technician should be able to communicate effectively, as they often interface with other departments.

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