

# TECHNICAL MANAGER

ALSO KNOWN AS:

ENGINEERING MANAGER

TECHNOLOGY DIRECTOR

CHIEF TECHNICAL OFFICER

R&D MANAGER

## BE THE STRATEGIC LEADER AT THE INTERSECTION OF INNOVATION AND PRACTICALITY.

As Technical Manager you'll guide your team through the complex landscape of technological advancement.

### KEY SKILLS

Skills which may benefit anyone considering a job as a technical manager include:

- ✔ Communication
- ✔ Leadership
- ✔ Project management
- ✔ Strategic thinking
- ✔ Technical knowledge

### CAREER PROGRESSION

In this role, you may have the opportunity to progress to other positions. Career progression opportunities include:

- Team Leader
- Trainer and Assessor
- Process Improvement Analyst
- Chief Engineering Officer

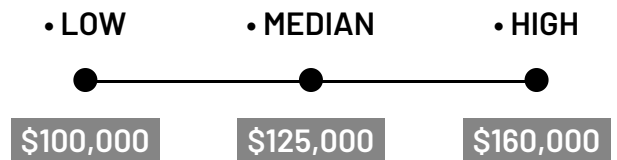
### VALUES & ATTRIBUTES

Values and attributes of anyone considering a job as a technical manager include:

- ✔ Innovative
- ✔ Decisiveness
- ✔ Collaborative
- ✔ Adaptable
- ✔ Vision
- ✔ Social - "Helper"

### SALARY EXPECTATION

The expected salary for a Technical Manager can vary across different areas of manufacturing and may vary as you become more experienced.



### RELATED INDUSTRIES

- ▶ Aerospace and Defence ▶ Chemicals, Hydrocarbons and Refining ▶ Food and Beverage ▶ Furniture and Other Products
- ▶ General Manufacturing and Engineering ▶ Meat and Seafood Processing ▶ Pharmaceutical and Medical Technology
- ▶ Polymers, Plastic and Rubber ▶ Printing and Graphic arts ▶ Pulp, Paper and Packaging ▶ Renewables ▶ Textiles, Clothing and Footwear
- ▶ Timber and Wood ▶ Transport Equipment and Machinery

### RECOMMENDED SCHOOL SUBJECTS

- Design
- Engineering
- Engineering Skills
- Industrial Graphics Skills

### CORE SCHOOL SUBJECTS

- General Mathematics
- Essential English
- Business
- Business studies
- Industrial Technology Skills

## JOB OVERVIEW

Technical Managers are the key drivers of technological innovation and implementation within organisations. They bridge the gap between high-level business strategy and technical execution, leading teams of engineers, scientists, or other technical professionals to develop and deliver cutting-edge solutions.

These professionals play a crucial role in driving an organisation's competitive edge through technology. Their work impacts not only the company's products or services but also its operational efficiency and ability to adapt to changing market demands. Technical Managers contribute significantly to the broader economy by fostering innovation and pushing the boundaries of what's technologically possible.

A typical day for a Technical Manager might involve overseeing multiple technical projects, making strategic decisions about technology investments, mentoring team members, collaborating with other departments to align technical capabilities with business needs, and staying abreast of emerging technologies. They balance technical expertise with strong leadership and business acumen, using a range of project management tools and methodologies to ensure successful outcomes.

## WHAT WILL YOU DO?

Your role may include duties as follows:

1. Lead and mentor a team of technical professionals
2. Develop and implement technical strategies aligned with business goals
3. Manage complex technical projects from conception to completion
4. Evaluate and integrate new technologies to improve products or processes
5. Collaborate with other departments to drive innovation and efficiency

## HOW TO BECOME A TECHNICAL MANAGER

Becoming a Technical Manager typically requires a strong technical background combined with leadership experience and business acumen. Most positions require at least a bachelor's degree in a relevant field, with many senior roles preferring advanced degrees. Here's a pathway to this career:

1. Obtain a bachelor's degree in engineering, computer science, or a related technical field
2. Gain several years of hands-on experience in your technical speciality
3. Develop leadership skills through team lead or project management roles
4. Pursue an advanced degree such as a Master of Engineering Management or MBA
5. Continuously update technical knowledge and management skills through professional development

## VOCATIONAL EDUCATION & TRAINING

While Technical Managers typically have university degrees, vocational education can provide valuable skills, especially in specific technical areas or management practices. Relevant qualifications include:

- Various technical certifications relevant to the specific industry, including Certificate III in Engineering – Technical (MEM30522)
- Advanced Diploma of Engineering (MEM60122)
- Diploma of Production Management (MSM50316)
- Diploma of Project Management (BSB50820)
- Advanced Diploma of Leadership and Management (BSB60420)

These qualifications can help technical professionals transition into management roles or enhance their leadership and strategic management skills.

## UNIVERSITY & HIGHER EDUCATION

A bachelor's degree in a technical field is usually the minimum requirement for Technical Managers, with many roles requiring or preferring advanced degrees. Common pathways include:

- Bachelor of Engineering or Bachelor of Science in a relevant field
- Master of Engineering Management
- Master of Business Administration (MBA) with a technology focus