

Engineer to Manager

An Introduction to Management

16 hour professional course



Course Introduction

Engineers often report feeling unprepared for management roles. However, staff initially qualified in engineering are amongst the largest source of top management in UK companies. The development of engineers' managerial skills and expertise is therefore critical for success.

This course provides a comprehensive understanding of the requirements to transition from an engineer to a management role. It also examines areas that will benefit engineering managers seeking to move into a senior management role up to head of department level.

You will learn:

- The role of the manager and the responsibilities this carries.
- How to effectively work with other departments within the organisation whilst adding value.
- How to achieve best management practice whilst balancing the bottom line with other success metrics.
- How to implement organisational best practice whilst managing risks and opportunities.
- How to develop business through new products and services and how to successfully take these to market.

The course content provides a strong foundation for becoming an effective leader – one who is able to lead a team, implement change and consistently achieve results.

Course topics

The Role of the Manager

- Introduction to the transition from engineer to a manager
- The role of a manager and the purpose of management
- Reporting

Management Best Practice

- Accounting – management accounts and project evaluation
- Managing teams
- Project management

Working with other Departments

- Procurement
- Human resources
- Legal and commercial

Organisational Best Practice

- Compliance
- Application of international management standards
- Risk management

Business Development Skills

- New product development
- Marketing
- Sales

Learning outcomes

- Understand the valuable career development skills to become a manager or senior manager, including:
 - Promotion-ready skills to become a manager through to a head of department.
 - How to improve current management skills.
- Achieve excellence in engineering management techniques.
- Understand how to create greater value with other departments within your organisation.
- Understand how to promote and drive organisational best practice.
- Learn how to develop new business for your team and organisation.

Expert multidisciplinary e-courses for engineers at all career stages

Course Units – Engineer to Manager

- Unit 1 Introduction to Management
- Unit 2 The Purpose of Management
- Unit 3 Legal and Compliance Requirements
- Unit 4 International Management Standards
- Unit 5 Basic Accounting
- Unit 6 Procurement
- Unit 7 Human Resources
- Unit 8 Contracts
- Unit 9 Risk Management
- Unit 10 Project Management
- Unit 11 Team Management
- Unit 12 Reporting
- Unit 13 Product Development
- Unit 14 Marketing
- Unit 15 Sales
- Final Assessment



Benefits for Organisations

This course can be used in the development of existing and future managers to achieve consistency in excellence. The course provides:

- A consistent learning framework for a talent pool to be fast tracked into management.
- Guidelines on how management should be practiced in the organisation.
- An outline for how to balance commercial gains with risk management.
- A framework to achieve the balance of management focus from looking inwards and outwards.

Who Should Take this Course?

This course is aimed at engineers looking to transition from being a contributor to a manager, and newly appointed managers from an engineering background looking to further their personal development. Learners are expected to have an engineering or technician's background.

About the IET Academy

The IET Academy is an e-learning solution to meet companies' training and development objectives, tailored for engineers at all career levels. It provides in-depth, online courses (up to 31 hours long) covering a broad range of technical and professional subjects which can be studied in whole or in bite size units.

The expert content is developed by the Institution of Engineering and Technology (IET), Europe's largest professional engineering institution, in partnership with some of the UK's leading universities and industry organisations – ensuring the highest standard in future engineering e-learning and development.

Other Engineering Courses

- Engineering Manager to Director
- Ethics in Engineering
- Entrepreneurship for Engineers
- Power Systems Engineering
- Mobile Communications
- Risk & Safety Management for Engineers
- Railway Safety
- Cybersecurity
- Connected Autonomous Vehicles
- BIM Management

How to purchase

- To buy a single course or set of units for your personal learning go to the Academy online store www.theiet.org/academy
- For multi-user licences for your company email academy@theiet.org

We offer **free trials** and **demonstrations** for customers interested in a company-wide training solution.

Learn more

www.theiet.org/academy



By providing access to high quality engineering information, the IET helps engineers, technicians and technologists around the globe fuel innovation, gain competitive advantage and make better informed decisions so that they are well placed to solve the engineering challenges of the 21st century. The IET is an authoritative and trusted source of Essential Engineering Intelligence®