Course Introduction

This course provides an in-depth examination of the ethical concepts and contexts which are relevant to professional engineering. Drawing from contemporary research in ethical philosophy, and from concrete engineering case studies, the course offers a challenging but accessible guide for practising engineers to get to grips with the ethical dimensions of their work.

The course takes as its starting point the notion that being a professional engineer involves not just technical skill, but also ethical awareness. Learners explore in detail the ethical side of professionalism in general, and of engineering in particular.

Learners examine several key ethical concepts, which are important to consider as a professional engineer, accepting and following a code of ethics, and being a member of a professional body. The course also covers the social responsibilities that engineers have to the wider public, and what to do when those responsibilities conflict with an employer’s or client’s interests.

Course topics
- The Engineering Profession
- Codes of Ethics
- Trust and Professionalism
- Honesty
- Integrity
- Respect for Life, Law and the Public Good
- Responsible Leadership
- Working for the Military
- Whistleblowing and Conflicts of Interest
- Intellectual Property

Learning outcomes
- Fully understand the ethical relevance and responsibilities of being a professional engineer.
- Understand central ethical concepts, such as trust, honesty and integrity, and their relevance to the engineering profession.
- Understand the role that professional codes of ethics can play in guiding the practice of engineers.
- Understand the social responsibilities that engineers have to the public, and the tensions which might occur when such responsibilities conflict with the interests of employers.
- Develop a clear and nuanced understanding of what is involved in being a member of a professional body.
Expert multidisciplinary e-courses for engineers at all career stages

Course Units – Engineering Ethics

- Section 1  Engineering Profession
- Section 2  Codes of Ethics
- Section 3  Trust and Professional Relationships
- Section 4  Honesty
- Section 5  Integrity
- Section 6  Social Responsibility
- Section 7  Responsible Leadership
- Section 8  Working with the Military
- Section 9  Conflicts and Whistleblowing
- Section 10  Intellectual Property
- Final Assessment

What makes the IET Academy online courses different?

The IET Academy is developed by the Institution of Engineering and Technology (IET), Europe’s largest professional engineering body, in partnership with leading universities and industry organisations ensuring the highest standard in engineering e-learning.

In-depth learning

Courses range up to 31 hours in full and can be studied in whole or in bite size units allowing companies and individuals to invest in the most suitable training programme for them.

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The IET Academy is an industry-leading, online learning solution, providing reliable, high calibre engineering courses in a broad range of technical and professional subjects.

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The e-learning solution is designed to meet companies’ training and development objectives for engineers at all levels: from bridging the skills gaps of new entrants right up to enhancing the multidisciplinary knowledge of experienced engineers.

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For many engineers staying informed of changing technology in order to remain current in their role is paramount, however, finding the time and budget to attend external training is challenging. The IET Academy’s flexible learning platform allows access to training ‘anytime, anywhere’ or the course content can be quickly and easily integrated into your existing learning management system.

Who should take this course?

This course is for practising engineers, graduates of engineering courses, or other professionals in industry who want to understand the ethical dimensions of engineering.

Other Engineering Courses

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

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