



If you are a practising engineer looking to move into a management post then this Master's level course is for you. The course will develop the skills and knowledge you need to manage both day to day activities as well as complex engineering projects. You will focus on quality management, sustainability and supply chain and operations. This will give you a critical understanding of the environment in which engineering operates and the importance of the wider process around delivering engineering activities. Also important is developing a customer focused approach to the management and delivery of engineering activities.

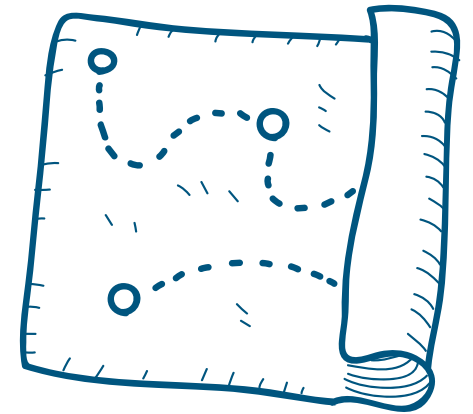
What does CMI accreditation mean?

CMI promotes excellence in UK management and leadership and this course is your pathway to success. Alongside your Master's, you'll get a CMI Level 7 qualification in Strategic Management and Leadership – industry-recognised, and a fast-track route toward Chartered Manager status. You'll have free CMI Membership throughout your studies, giving you access to a range of resources including a large online library, the CMI mentoring service and UK networking events.

Modules are:

Project Management Techniques

You will start this module by breaking down activities into component parts, learning how to monitor and control projects from start to finish. This includes the key elements of most engineering projects: managing budgets, resolving complex issues and coordinating the work of others on a project team. You will learn about the roles and responsibilities of project team members and how to get the best performance from them. This module is assessed via a written assignment based on a project management case study.





Sustainability in Theory and Practice

Sustainability is a crucial watchword in modern business. The drive towards embedding and achieving sustainable objectives is rapidly becoming a core business activity. Sustainability can be a driver for operational and ethical change within an organisation. In this module sustainability will be explored from both an environmental and ethical perspective as well as being a valuable tool for supporting business growth. Case studies will be used to explore the application of concepts and you will be encouraged to explore how sustainability objectives can be furthered in your own organisations.

Operations and Supply Chain Management

In an environment where customers are more demanding, resources scarce and sustainability is a key issue, operations management is becoming more important. Operations management ensures the transformation of inputs into outputs that meet established performance objectives. The importance of supply chain management and the impact that it has on the ability to deliver operational objectives will be evaluated. A variety of case studies, interactive activities and reading will be used to deliver this module.

Risk Management and Innovation

Risk and innovation increasingly go hand in hand in modern management. This module will equip you with a grounding in risk management and innovation theory and how it is applied in practice within the engineering environment. You will evaluate the relationship between risk and the way you can leverage it to facilitate innovation, and the implications that this has on organisational culture and human resources. The module will use practical scenarios and a range of case studies to investigate the impact of risk and innovation on business practice.

Quality Management

This module will encourage and support you to understand the key theories and practice of delivering a quality product. Appreciating the importance of quality in both tangible and intangible products will allow you to champion this philosophy in your current or future role. The module will introduce the core principles of quality management and show you the tools and systems you can apply to a real working situation, as well as understanding the ways to measure quality. The assignment will give you the opportunity to put it all into practice, proving you can take these ideas and apply them to specific business needs and objectives.



Data Handling and Decision Making

Modern businesses have access to more data than ever. People armed with the skills to handle that data - and who can use it to make informed business decisions - add real value to their workplace.

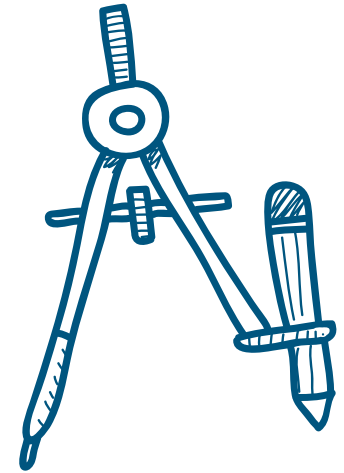


This module focuses on teaching you how to do an analysis of the data environment in an organisation, and crucially once you have that data, how you handle it and what you can do with it – whether that is to make the business more efficient, or lead it in a fresh direction. The key is not just to interpret and understand the data, but to make knowledge driven decisions. We test this through a case study driven task that allows students to apply what they have learnt to a real business scenario.

Research Project

The research project is a vital part of achieving Master's level - and it is your chance to undertake research into an area of your choosing, related to the programme theme.

We'll support you through the first stage with six weeks of sessions to help you create your research proposal - and you can choose from a conventional dissertation or an academic article and presentation. You will develop your critical abilities and produce a piece of work that's relevant in practice and meets the academic standards needed at masters level, and just as importantly, add value to your organisation and career.





Course duration and hours of study

This varies depending on your rate of progress - you can access modules at a pace that is convenient for you. Once you have accessed a module, there is a minimum and maximum time that you will need to finish the module within.

You can find out more information on the course page, visit www.arden.ac.uk. Alternatively, please call our admissions team on

+44 (0) 2476 515700 or

0800 268 7737 for more details.

Entry requirements

To be eligible for this course you must normally have:

A UK honours degree at a minimum of second class (2.2) or equivalent.

For students whose prior learning was not taught in English:

IELTS 6.5 or equivalent.

If you don't have academic qualifications

We're more than happy to consider, and positively encourage, an application from you if you have substantial management experience (typically 5 years) and can show us that you have the motivation to study the programme.

Accreditation

Arden University provides management development programmes that meet the rigorous quality required to achieve CMI accreditation.



How to apply

Visit: www.arden.ac.uk

Email: admissions@arden.ac.uk

Call: +44 (0) 2476 515700 / 0800 268 7737