

# Engineering Competence (Executive) PgDip

Developing your leaders



**Cranfield Masterships<sup>®</sup>**  
Master's level apprenticeships

# Strengthen your engineering capabilities

**The Engineering Competence Postgraduate Diploma (PgDip) is a unique opportunity to sponsor your early career employees on a highly-regarded postgraduate programme to develop their engineering competence, whilst actively taking forward your organisation's capabilities.**

## Who is it for?

The course is ideally suited for companies who want to accelerate the development, and improve retention of early career engineering management staff by enhancing their postgraduate development and training offering, using contributions to the Apprenticeship Levy. It is designed to support the organisation in achieving high quality capabilities as participants gain a blend of leading-edge engineering and management skills in an engineering context.

The course has been developed in collaboration with industry and the Institute of Apprenticeships to meet the Level 7 Postgraduate Engineer Apprenticeship Standard.

## Benefits to your learners

Your early career professionals will benefit from a postgraduate qualification and personal development opportunity with one of the UK's top postgraduate universities, specialising in technology and management. The applied nature of the programme enables personalized, specific and organisationally aligned development.

They will be equipped to:

- Analyse business processes.
- Identify opportunities for innovation.
- Manage projects.
- Develop new products.
- Refine operations.
- Deliver improved results.

The course also offers the potential to progress to a full MSc to achieve Chartered Engineer Status (not within the Apprenticeship Levy).

## Benefits to your organisation

As an employer you will strengthen your engineering and management capabilities, improve retention and empower a network of individuals to work on projects directly relevant to your organisation with the support of a world-class university.

Courses can be run as closed courses for your company specifically, or you can send delegates onto an open course.

With industry co-operation, the course provides attendees with relevant learning en route to demonstrating competency against the Postgraduate Engineer Standard. It provides flexible study options enabling students to learn when it suits them. Over half of our students study part-time, so our staff are experienced in working around business demands. A key differentiator of this course is that delivery is digital, with live streaming, full interactivity and all course material available as 'catch-up' for later viewing. This enables students to study directly from their workplace and receive the course anywhere and on any device. It also means that time away from the workplace and travel and subsistence costs not covered by the Apprenticeship Levy are minimised. Outside of the Levy, attendees can continue on to an MSc.

## Business impact through development of your skills portfolio



Alignment to your  
**organisation development**  
initiatives



**Application** of all learning  
relevant to your  
organisation



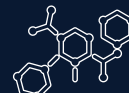
**Group Projects** that  
advance your organisation's  
engineering capability



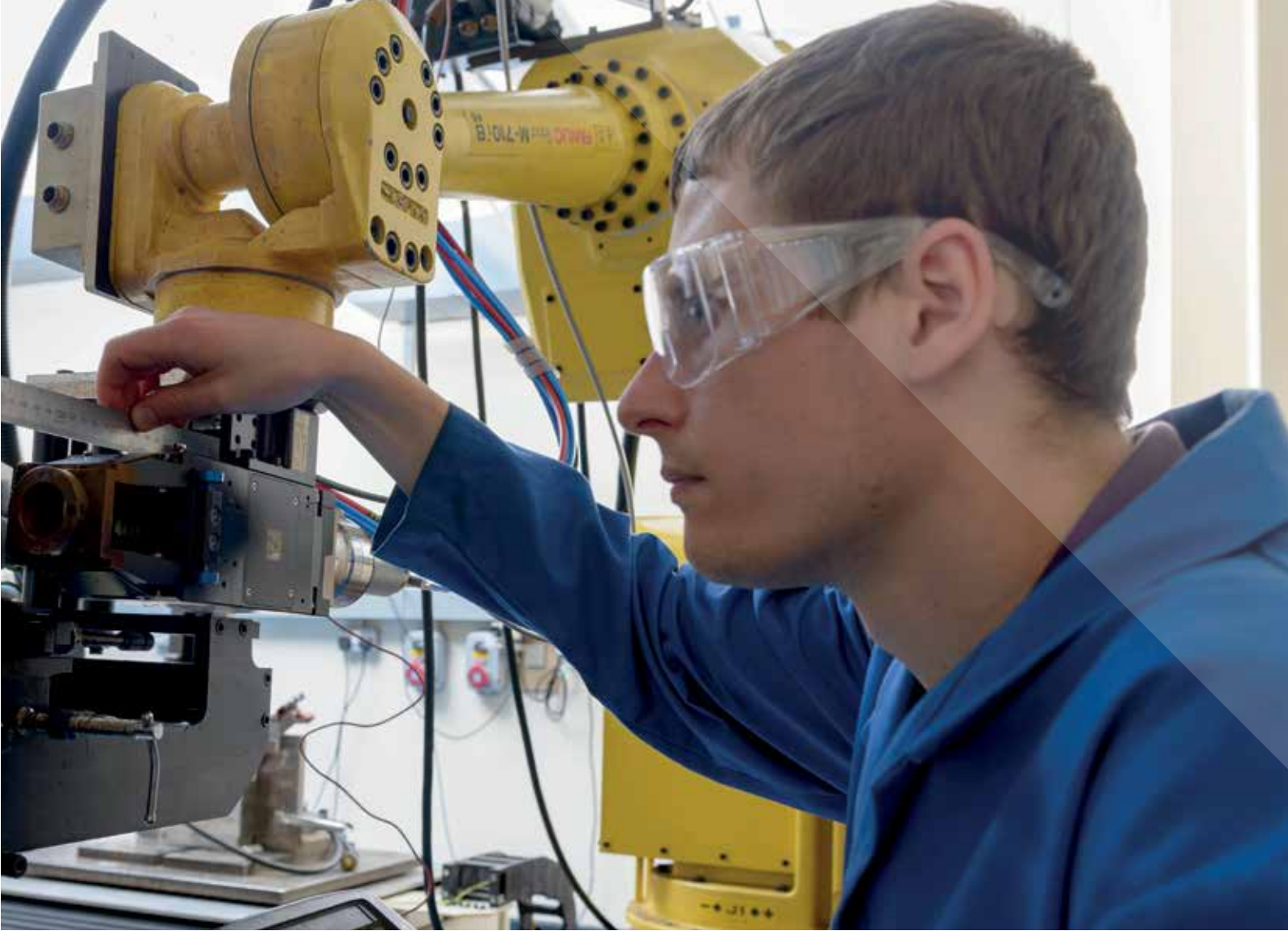
Management course in an  
engineering context



**Assessment** by assignment  
focused on progressing your  
engineering capabilities



**Flexible**, interactive online  
delivery modes



## Course details

The course has been mapped against the Postgraduate Engineer Standard and comprises of eight modules (delivered digitally). It culminates in a group project to apply the module content to a real workplace situation.

### Modules (Delivered digitally)

General management

Design-driven innovation

Product development

Business process analysis and engineering

Manufacturing systems engineering

Operations management

Cost engineering

Group project

The award for each module is 10 credits with 40 credits awarded to the group project

### Key information

#### Start date

Flexible

#### Duration

18 to 24 months part-time

#### Location

Dependent on delivery mode

#### Cohort size

Flexible, depending on whether it is a tailored, closed or open programme

#### Entry requirements

Candidates must possess, or be expected to achieve, a second class UK Honours degree or above, or equivalent.

## Our partners

Cranfield University has partnerships with leading organisations around the globe, built up over 50 years. These include:



## Cranfield University

Cranfield is an exclusively postgraduate university that is a global leader for education and transformational research in technology and management. We are focused on the specialist themes of aerospace, defence and security, energy and power, environment and agrifood, manufacturing, transport systems, and water.

Home to many world-class, large-scale facilities which enhance our teaching and research, we graduate 4,500 postgraduate students each year, with over half studying part-time. We have the largest number of engineering and technology postgraduates in the UK and award over five percent of the UK's engineering and technology PhDs each year.






We employ over 1,500 staff, making our staff-to-student ratio one of the best for any university in the UK and the world (one member of academic staff to every five students).

We work closely with business, industry and government across the world. Through our industry partnerships, applied research projects and our executive education and professional development programmes, we currently work with over 1,500 companies and organisations.

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