



Thermal Power

MSc/PgDip

Gain fundamental and applied knowledge applicable to the understanding of the design and operation of different types of gas turbines for all applications. Pursue your own specific interests and career aspirations through a wide range of modules through four specialist options:

- Aerospace Propulsion
- Gas Turbine Technology
- Power, Propulsion and the Environment
- Rotating Machinery, Engineering and Management.

This course aims to provide both fundamental and applied knowledge applicable to the understanding of the design and operation of different types of gas turbines for all applications. Suitable for graduates seeking a challenging and rewarding career in an established international industry.

The MSc course in Thermal Power is structured to enable you to pursue your own specific interests and career aspirations. You may choose from a wide range of elective modules and select an appropriate research project. An intensive two-week industrial management course is offered which assists in achieving exemptions from some engineering council requirements. The course is embedded in a large power and propulsion activity that is recognised internationally for its enviable portfolio of research, short courses and postgraduate programmes.

Course structure

The course is comprised of taught modules. Modules for each option vary; please see individual descriptions for compulsory modules which must be undertaken. There is also an opportunity to choose from an extensive choice of optional modules to match specific interests.

Individual project

You are required to submit a written thesis describing an individual research project carried out during the course. Many individual research projects have been carried out with industrial sponsorship, and have often resulted in publication in international journals and symposium papers.

Future career

Many of our graduates are employed in the following industries:

- Gas turbine engine manufacturers,
- Airframe manufacturers,
- Airline operators,
- Regulatory bodies,
- Aerospace, and energy consultancies,
- Power production industries,
- Academia: doctoral studies.

Example modules

Modules for each option vary, please see individual course option pages for more information.

Duration:

MSc: Full-time - one year; PgDip: Full-time - up to one year

Start date:

March or October.

Location:

Cranfield Campus.

Entry requirements:

A first or second class UK Honours degree in a relevant subject or an equivalent international qualification or relevant work experience.

Applicants who do not fulfil the standard entry requirements can apply for the Pre-master's in Engineering programme, successful completion of which will qualify them for entry to this course for a second year of study.

Please visit: www.cranfield.ac.uk/entryrequirements for more information.

ATAS Certificate:

Students requiring a visa to study in the UK may need to apply for an ATAS certificate to study this course.

Contact details

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For further information please visit
www.cranfield.ac.uk/thermalpower