

HND Mechanical Engineering



In a nutshell

Our Mechanical Engineering HND Level 5 is delivered in collaboration with University of South Wales (USW) and you will graduate from University of South Wales after successful completion of this course.

The course provides a thorough grounding in the key concepts and practical skills required in the sector. Nationally recognised by employers, the course also allows for further study at degree level and beyond.

This course is for...

...those who want a career in Engineering, Design, Manufacturing or Maintenance

...good problem solvers

...those who would like to achieve chartered engineer status

...students who would like to become a well qualified Mechanical Engineer or take their next



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step in this industry

...those looking to further their skills and expertise in Mechanical Engineering

Course content

As this course is delivered in collaboration with USW, you will have access to all university facilities such as libraries, gyms, etc and you will be taught according to USW standards by lecturers who have PhDs or Masters in the subjects; However, you will pay much less and you can stay close to where you live or work.

Our Mechanical Engineering HND Level 5 was designed in consultation with industry; is intended to link to local industry as much as possible, both in its content and in the mode of attendance (one day per week).

Its aim is to produce a highly qualified and knowledgeable engineer who can meet the requirements of industry. This is a specialist vocational programme with a strong work related emphasis.

There is a mixture of theory and practical sessions on this course. You will study units including:

Year 1

Thermofluids 2
Sustainable Engineering Design
Fundamentals of Business Engineering and Management

Year 2

Instrumentation and Control Systems
Mechanical Science 2
Production Processes

Entry Requirements

We consider each applicant on an individual basis, and you may receive an offer based

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on qualifications and personal profile, but normally you would need at least one of the following:

HNC Mechanical Engineering or equivalent level

4 qualification

DD at A level

DE degrees at A level, and a C grade in the

Welsh Baccalaureate

Access to Higher Education where you have

obtained a Pass Diploma with 45 Passes

In addition to: Passes in three GCSE subjects

at grade C or above, including Mathematics

and English Language (or equivalent).

Additional information

You will also develop essential employability skills such as self-management, team-working, business customer awareness, problem-solving, communication, numeracy, a positive attitude to work.

You will need to supply your own stationery e.g. folders, subject dividers, pens, pencils, rule and scientific calculator.

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