

HNC Mechanical Engineering



In a nutshell

This is a specialist vocational programme with a strong work-related emphasis. The course provides a thorough grounding in the key concepts and practical skills required in the sector, nationally recognised by employers.

This course is for...

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

... students who are interested in the design and manufacturing of heat engines, electro pneumatic & hydraulic systems, jet engines, vehicles, rockets and airplanes

... students who prefer vocational, hands-on courses

... numerate, creative and self-motivated individuals

Course content



COURSE INFORMATION LEAFLET

The course provides a thorough grounding in the key concepts and practical skills required in the sector.

You will study units including:

Year 1

Engineering Design
Engineering Maths
Engineering Science
Mechanical Principles

Year 2

Managing a Professional Eng. Project
Materials, Properties & Testing
Fundamentals of Thermodynamics and Heat Engines
Electro, Pnuematic & Hydraulic Systems

You will learn through a mixture of lectures, tutorials and practical sessions.

Assessment

Learners will be assessed via mainly coursework and few examinations.

Entry Requirements

We consider each applicant on an individual basis and you can receive an offer based on qualifications, experience and personal profile. However, you would usually need at least one of the following:

A relevant BTEC Level 3 profile of Merit/Merit
DD at A Level
DE grades at A Level plus C in Welsh Bacallaureate
Access to HE where you have achieved a Pass Diploma with 45 Passes

Plus: GCSE passes in three subjects at grade C or above to include Maths and English Language (or equivalent). Mature students with relevant industry experience who do not meet the academic qualifications will be considered individually via interview.

Apply online at www.coleggwent.ac.uk

studentrecruitment@colegwent.ac.uk | 01495 333777 (Croesawn alwadau yn Gymraeg)





COURSE INFORMATION LEAFLET

Additional information

Upon completion, you can progress onto a Level 5 HND in Mechanical Engineering or the first/second year of a university degree programme.

Alternatively, you can go into technician engineering positions.

You will attend college eight hours per week, 30 weeks per year.

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