



GRŴP COLLEGAU **NPTC** GROUP OF COLLEGES  
**Datblygu Busnes**  
Business Development

Inspiring Learning,  
Enriching Lives, Delivering Success

# Industrial Engineering Design (Mechanical) - BEng (Hons) (Degree Apprenticeship) (Part-Time)

This degree apprenticeship offers a unique blend of academic study and practical work experience, designed to equip those already in the engineering sector, with the skills and knowledge required for a successful career in industrial engineering design. The programme combines theoretical learning with hands-on training, ensuring graduates are well-prepared to meet the demands of the engineering industry. The course is fully subsidised by the Welsh government and runs part time for 3 years. This program is offered in partnership with the University of Wrexham.

## Entry Requirements

Entry criteria detail a typical offer but the College considers all applications on an individual basis which means that we could make offers based on qualifications, personal profile and experience. If you have any queries regarding your offer, please contact our Admissions Team.

Typical offer: 2 A Levels at E Grade or PP/PPP profile from a BTEC Level 3 qualification and five GCSEs at Grade C or above, to include English and Maths (or equivalent qualifications). Eligibility for this programme also depends on additional requirements including being a paid employee in a suitable role within the sector and working in Wales for at least 51% of working time.

## Career Prospects

You may progress to a variety of postgraduate engineering related courses. Graduates have employment prospects in a wide range of engineering disciplines, for example: Advanced Manufacturing Engineering, Engineering Product Design and Development, Engineering Operations Management and Engineering Project Management.

## Course Modules

Year 1 modules can include:

- Analytical Engineering Techniques
- Electrical Engineering

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- Mechanical Engineering
- Work Based Learning
- Engineering Standards, Business and Operations Management
- Design and Computer Aided Design (CAD)

Year 2 modules can include:

- Industrial Project
- Analytical Control Techniques
- Modern Manufacture, Sustainability and Industry
- Materials and Processes
- Mechanical System Design
- Computer Aided Engineering

Year 3 modules can include:

- Project
- Managing workforce and Engagement and Commitment
- Maintenance and Safety Systems
- Engineering Modelling & Simulation
- Product Design

## Assessment

The programme will include lectures, practical workshop and tutorial sessions. You will have to complete written assignments as you progress through the programme. A number of modules have exams and a research project is required.

## STUDY MODE

PT

## LOCATION

Neath College - 03308 188 100

## COURSE LENGTH

3Y

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