



BTEC Level 3 Diploma in Engineering (Full-Time)

This is a multi-discipline engineering programme, equivalent to 3-A levels over 2 years, covering the necessary engineering skills and knowledge for students wishing to progress to University or onto an Apprenticeship.

Students will study 15 individual units, 3 of which are double units externally assessed. The remaining 12 units internally assessed.

Engineering principles,

The course is over 2 years with the 1st year leading to the Foundation Diploma in Engineering and the 2nd year to the Extended Diploma In Engineering.

Working Effectively and Safely in Engineering Environments, there are a number of specialist units such as Mechanical, Hydraulic and Welding units which support this programme.

This course will allow you to study at University level (HNC/HND) or enter employment at technician level.

Entry Requirements

5 GCSEs grades A*-C including English, Maths and Level 2 Engineering qualification. A good level of attendance and commitment is also required. Students that do not meet the entry requirements can be interviewed on a case-by-case basis considering individual profile and the work life experience etc.

Career Prospects

Students can continue their studies onto University or Network 75. Enter into apprenticeship and continue to study on a day release basis.

Course Modules

Engineering Principles (double unit)

Delivery of Engineering Processes Safely as a Team

Engineering Product Design and Manufacture (double unit)

Coleg Afan
Coleg Bannau Brycheiniog
Academi Chwaraeon Llandarcy
Canolfan Ragoriaeth Adeiladwaith Maesteg
Coleg Castell-nedd
Coleg Y Drenewydd
Coleg Pontardawe
Canolfan Adeiladwaith Abertawe

Afan College
Brecon Beacons College
Llandarcy Academy of Sport
Maesteg Construction Centre of Excellence
Neath College
Newtown College
Pontardawe College
Swansea Construction Centre



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🌐 www.nptcgroup.ac.uk





Applied Commercial and Quality Principles in Engineering
Calculus to Solve Engineering Problems
Electronic Devices and Circuits
A Specialist Engineering Project
Microcontroller Systems For Engineers
Further Engineering Mathematics
Welding Technology
Electronic Measurement & Testing Of Circuits
Mechanical Behaviour Of Metallic Materials
Mechanical Measurement & Inspection Technique
Manufacturing Primary Forming Processes

Assessment

Assignment based work for the 12 internal units, Externally set examinations for the 3 double units.

STUDY MODE

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LOCATION

Neath College - 0330 818 8100

Newtown College - 0330 818 8100

COURSE LENGTH

1Y

Coleg Afan
Coleg Bannau Brycheiniog
Academi Chwaraeon Llandarcy
Canolfan Ragoriaeth Adeiladwaith Maesteg
Coleg Castell-nedd
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