A+ Programme National Extended Certificate in Engineering

Ofsted Outstanding Provider

Course Level: Level 3 | **Campus: Newcastle** | **Subject Type: Construction & Engineering**

Course Overview:

Delve into the dynamic world of engineering with our A+ Engineering programme. This exciting new career pathway combines both academic study and industrial mentoring, and is perfect for bright, inquisitive learners with a love of science and maths, who are interested in becoming top flight engineers of the future.

What's Covered:

Designed to provide a comprehensive understanding of engineering principles, this course covers a wide range of topics. Through hands-on projects and theoretical learning, students develop practical skills in design, analysis, and problem-solving. Whether aspiring to pursue further education or enter the workforce, studying this program equips students with the knowledge and expertise to thrive in the ever-evolving field of engineering.

You will study a 3-4 A Level equivalent programme comprising the Level 3 National Extended Certificate in Engineering, a minimum of 2 science or maths based A Levels and either an Extended Project Qualification or a third A Level choice.

The BTEC National Extended Certificate in Engineering is equivalent to one A Level and is made up of 4 units designed to give you a broad basis of study in Engineering, units include:

- Engineering Principles
- Health and Safety in Engineering
- Engineering Product Design and Manufacture
- Computer Aided Design in Engineering

100%

pass rate in 2024

Entry Requirements:

A minimum of five GCSEs at grade 5 or above including maths and English Language, in subjects relevant to your A Level or A+ Programme subject choices. This course forms part of a challenging academic engineering pathway, and must be studied alongside science/maths A Levels, therefore achievement of grade 6+ in sciences and maths is essential.

Assessment Information:

Your BTEC Level 3 National Extended Certificate in Engineering qualification takes a unit-by-unit approach and offers a combination of assessment styles. 67% of the qualification consists of externally marked assessments, the remaining assessments are set and marked internally. All units are assessed using a grading scale of Distinction, Merit, Pass, Near Pass and Unclassified.

Fees and Financial Support:

This course is free for anyone aged 16 – 18.

College Maintenance Allowance (CMA):

Anyone with a gross household income under £30,000 can receive financial support to cover college related costs such as transport, meals, course equipment and uniform. Bursary support is based on individual circumstances and will be allocated to best suit your individual needs. A range of other financial support is available depending on your personal circumstances. For more details visit nscg.ac.uk/finance

Progression:
On completion of this course you will gain a nationally recognised qualification accepted as an entry requirement to higher apprenticeships or higher education.
Previous Engineering students have secured higher apprenticeships with employers such as Hitachi Energy, Siemens and Capula, or progressed to an engineering-based degree course at university.
Course options are vast and varied, with many prestigious institutions offering a range of course options to prepare you for a career in Engineering. Previous students have progressed to the likes of the University of Liverpool, University of Birmingham, University of Exeter, University of Bristol and Swansea University to study a range of courses including, Chemical Engineering, Civil Engineering, Renewable Energy Engineering, Aerospace Engineering and Mechanical Engineering.

How do I find out more?

If you wish to find out more about this course, please contact Michele Robinson, Course Leader, at michele.robinson@nscg.ac.uk.