

VOCATIONAL STUDY

**ENGINEERING
CONSTRUCTION
AND
HORTICULTURE**



tynemet.ac.uk

INTRODUCTION

TyneMet's engineering and construction courses are run in partnership with a number of national and international industry representatives. Each programme combines traditional skills with cutting edge technologies and progression is possible from Levels 1-4 and into Higher Education or industry.

FACILITIES

The Engineering, Construction and Horticulture department combines modern educational facilities with real world settings. The engineering workshops are state-of-the-art. There is a dedicated CAD / CNC centre as well as a pneumatics and hydraulics centre.

QUALIFIED TEACHERS

Our teachers are all highly qualified industry experts. They bring decades of experience to the department and are always prepared to provide extra help for individual students.

"I really enjoy my engineering course and have great supportive classmates. My tutors are always ready to work with me to help me reach my goals."

Vernon Pansacala, BND Manufacturing Engineering Year 1.

LINKS

The department has great industry links both regionally and nationally. A strong network of external contacts means students can gain great experience from relevant work place visits and trade events, which may also lead to future employment opportunities.

SUCCESS STORIES

Tabriz Hussain



Tabriz Hussain has been with TyneMet Engineering since the age of 14, when he studied on the GCSE Engineering programme. He then enrolled on the BND Manufacturing programme in 2006, where he gained excellent grades.

Two years later he was headhunted by Siemens Power Generation to become a technical apprentice and, in the same year, won Engineering Student of the year.

OTHER GREAT OPPORTUNITIES

Student Union – TyneMet's Student Union is your voice on all campus issues. As well as receiving great money saving offers and discounts, members can attend SU social events and really get involved in college life.

NESA – TyneMet is home to the North East Sports Academy (NESA). NESA offers all students studying at TyneMet up to ten hours of high level coaching in their chosen sport, scheduled within the college timetable. In addition to this great coaching, students can take part in a sport-specific strength and conditioning programme run by expert coaches. Other benefits include free gym membership, physiotherapy and a NESA sports clothing pack.

COURSES

Manufacturing Engineering First Diploma: Edexcel

Entry requirements: four GCSEs at grade D or above, preferably including Science and Maths or a GNVQ Foundation in a relevant subject.

This comprehensive course covers a wide number of subject areas including working practices, using and interpreting engineering information and applied electrical and mechanical science for technicians. The programme has good links with local and national employers.

National Diploma in Manufacturing Engineering Level 3

Entry requirements: four GCSEs at grade C or above including Maths and Science or BTEC First Diploma / GNVQ Intermediate Level or equivalent.

Students benefit from great industry links on this programme, with blue chip companies such as Siemens. Topics including mathematics, mechanical and electrical / electronic principles, machining and engineering drawing and fabrication processes are covered.

Performing Engineering Operations NVQ Level 2

Entry requirements: three GCSEs at grade D or above, preferably including Science, Maths and English or Level 1 PEO or GNVQ Foundation.

One of the Engineering Centre's most successful programmes, students on this course should expect to learn an excellent range of skills including how to work safely in an engineering environment, how to communicate technical information and how to produce components using hand-fitting techniques.

Foundation Engineering

(Introductory Certificate in Engineering Level 1 and Performing Engineering Operations NVQ 1)

Entry requirements: two GCSEs grade F or above including Maths or Science.

A strong introduction to engineering, this course covers a number of elements from both the introductory certificate and the Performing Engineering Operations NVQ.

Your starting point	Your opportunity at TyneMet		Where next ?
No formal qualifications	ENTRY LEVEL	Foundation Learning Tier	Progression to Level 1 at TyneMet
Two GCSEs at grade D or above	LEVEL 1	Equivalent to two GCSEs	Progression to Level 2 at TyneMet
Three GCSEs at grade D or above	LEVEL 2	Equivalent to three GCSEs	Progression to Level 3 at TyneMet or Employment
Four GCSEs at grade C or above	LEVEL 3	Two year programmes equivalent to three A levels	Employment, university or foundation degree at TyneMet

NEXT STEPS

To apply for any course complete an application form or call [0191 229 5000](tel:01912295000) or email enquiries@tynemet.ac.uk