



Job Application Pack

# Teacher of Engineering

MPS and UPS pay scales  
TLR available for suitable candidate

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## Letter from the Principal

Dear Applicant

Thank you for your interest in our recently advertised post of **Teacher of Engineering** at the Nottingham University Academy of Science and Technology (NUAST).

NUAST is a centre for Excellence in Science, Engineering and Computing/IT. We are a specialist academy teaching students aged 14-19 years old. Our aim is to ensure that young people who are passionate about Science, Computing or Engineering have opportunities to realise their maximum potential with us. We currently have 240 students and this will grow to our capacity of 750 students.

The NUAST staff team is dedicated to ensuring that our strong and caring pastoral system encourages and supports our students to access the excellent specialised facilities and the unique opportunities available at NUAST to ensure their success.

Working at NUAST will be an exciting and challenging chapter in the career of any teacher. Along with the responsibilities associated with the position the successful candidate will be responsible for helping to form the culture, ethos and working practices of the academy at every level.

Securing outstanding teaching and learning is critical to our success and every member of staff will be required to contribute to the development of teaching materials and wider curriculum planning.

I look forward to receiving your application.

Yours sincerely

Robert White

## **Letter from the Executive Headteacher**

Dear Candidate

I am delighted to be able to introduce you to the Nottingham University Academy of Science and Technology and the tremendous opportunities this academy offers the young people of Nottingham.

NUAST is a 14-19 specialist academy which opened in September 2014. We are sponsored by the University of Nottingham and Djanogly Learning Trust. NUAST is designed to provide the very best specialist teaching in science, engineering and computing/IT.

Critical to the success of NUAST is the appointment of dynamic and innovative staff who can bring energy and initiative to the work of the academy.

This is a tremendous opportunity to make a difference to the lives of young people, and will suit an ambitious professional looking to make their mark.

Thank you for showing an interest in working at NUAST, and we look forward to receiving your application.

**John Tomasevic**  
**Executive Headteacher**  
**NUAST**

## Application Process

If you feel that you could contribute to the students and team at NUASt, we would welcome your application.

Please complete and return the application form along with a CV and covering letter, clearly demonstrating your suitability for this role, via one of the following methods:

Email to [jobs@nuast.org](mailto:jobs@nuast.org)

By post, for the attention of The Principal to the address below:

Nottingham University Academy of Science and Technology  
93 Abbey Street  
Lenton  
Nottingham  
NG7 2PL  
Tel: 0115 859 2040

Wherever possible, please provide email addresses for your referees.

Closing date: please ensure your application arrives by 9am on the closing date of 17th January 2017.

Interviews for the role will take place on 3<sup>rd</sup> February 2017.

### Application Process

Interested applicants will need to provide the following:

- Letter of application (maximum 3 sides A4) relevant to the attached job description and person specification. The letter should address the vision and strategy the applicant would employ to ensure the declared goals of the alliance are secured.
- Current CV
- Completed application form with contact details of **two** referees

### Application Form

These can be downloaded from our website.

# About NUAST

## The Academy

NUAST is a specialist academy based in Nottingham offering the very best educational opportunities for anyone with a passion for science, computing or engineering between the ages of 14-19.

With specialist teachers, specialist facilities and the unique opportunity to work with The University of Nottingham and industry partners at KS4 and KS5, NUAST is the right choice for any aspiring scientist, engineer or information technologists.

## What we offer.

Students can join NUAST in Year 10 or Year 12 and we offer GCSEs, BTECs and A levels in our specialist subjects along with a wide range of more traditional subjects.

Our unique and innovative curriculum is designed to provide our students with the skills and experiences they will need to secure a place at a good university or employment and training in a higher apprenticeship.'

## Curriculum

In year 10 our curriculum balances specialist teaching in Science, Engineering and IT with all the other core subjects you will need to get a place at a university or secure a good job or apprenticeship.

With science taught as discreet subjects and Engineering and IT delivered through industry approved and recognised Cambridge National qualifications, our specialist curriculum is designed to give students the very best start in their careers.

NUAST offers Post 16 students a complex and diverse range of curriculum options based around Science, Engineering and IT/Computing. From a full suite of A Levels, through a mix of qualifications, to dedicated BTEC Level 3 Extended Diplomas, NUAST can offer our students a pathway modelled to their needs.

## The Academy Day

To ensure that NUAST can offer the broadest set of experiences for each of its learners, the academy operates an extended working day.

Starting at 8.30am, the academy works until 3.00pm with additional after-school study provision available until 4.30pm.

This extended day allows us to deliver our unique curriculum and provides students with the opportunities to access a wide range of enrichment activities.

## Pastoral Care

At NUAST student's well-being is of primary importance to us. As a small academy we can offer a high level of care and guidance. All students will have a learning mentor.

Mentors will guide and support students throughout their time at NUAST. In addition all

students are offered specialist career advice with the support of our University and Industry partners.

In terms of behaviour, we have a very simple approach. Work hard and be kind.

## **Industry Partners**

From the very start, NUASt has had the support and guidance of some of the biggest industry names in engineering and information technology. Their knowledge and understanding of the skills and attributes required to become a future employee in their fields has guided the curriculum and helped shape the facilities.

As students learn and train at NUASt, they will have the opportunity to work with these companies alongside NUASt teaching staff. Students will leave NUASt fully equipped to enter the world of work or higher education with an enviable set of experiences and contacts.

NUASt has many partners, some of which are listed below:

Rolls-Royce Siemens Toshiba XMA Esendex Experian

## **Education Partners**

In addition, NUASt is sponsored by the University of Nottingham, which provides students with access to world-class research facilities and staff.

The University will provide opportunities to develop academic experiences and knowledge.

Students wishing to pursue degree level courses will be given help and support when applying to university.

Finally, the education provision is delivered by the Torch Academy Gateway Trust.

As education partners, the Trust will deliver exceptional educational support that has helped Toot Hill School be rated as 'Outstanding' by Ofsted and moved Meden School from 'Special Measures' to 'Good' in only three years.

## **Facilities**

Housed in a purpose-built, iconic building, NUASt will offer the most advanced GCSE and Post 16 facility for the teaching of science, engineering and computer science in the local area.

Industry standard science, IT and engineering facilities are complemented by a full suite of teaching rooms covering all key English Baccalaureate subjects.

Opened in Autumn 2014, the building is designed to provide our students with all the experiences they will need to enter higher education or industry. The building has been designed as a modern workplace: open, light and attractive with excellent catering, study and outdoor spaces.

NUASt is a remarkable investment in the young people of the East Midlands.

For more information about the academy visit:

[www.nuast.org.uk](http://www.nuast.org.uk)



## **NUAST Job Description**

<b>JOB TITLE</b>	Teacher of Engineering
<b>HOURS OF WORK:</b>	Full time
<b>SALARY SCALE:</b>	MPS and UPS pay scales TLR available for suitable candidate
<b>CONTRACT TYPE:</b>	Permanent

### **Department Overview**

The engineering department occupies extremely well equipped workshops within our purpose built building that is just over a year old. Significant investment was made in engineering with facilities that cover mechanical, automation and electronic engineering. There are currently three full time and one part-time members of staff in the department.

Engineering and Product Design is delivered at both KS4 and KS5. A variety of qualifications are offered including Cambridge Nationals, BTEC, GCE and GCSE.

### **Job Purpose:**

As a Teacher of Engineering you will be an outstanding classroom practitioner who consistently demonstrates the highest standards of delivery, is fully committed to raising attainment across all key stages and always achieve the highest standards within Engineering.

### **Duties and Responsibilities:**

The Teacher of Engineering, working with other members of the NUAST teaching team, will be responsible for the delivery of the following key priorities:

- To provide outstanding teaching to create a vibrant and distinctive culture for learning for young people interested in engineering
- To ensure all our students are able to thrive and engage in both academic and vocational learning to achieve above and beyond their highest potential whilst developing personal and employability skills.
- To plan and execute a diverse programme that meets individual learner needs within Engineering.
- You will demonstrate good or outstanding performance against the national teaching standards

You will inspire our students, stakeholders and employer partners by:

- Managing the quality of teaching and learning within Engineering
- Working with employer partners and sponsors effectively to enhance the students learning through the development and delivery of employer led projects
- Understanding national standards within the subject area and ensure that these are followed
- Use effective target setting systems for all students within Engineering to ensure the highest possible levels of achievement
- Identifying effective intervention and mentoring strategies for students within Engineering
- Ensuring that all the work you do for the NUASt follows our vision and values
- Being an outstanding practitioner who inspires students to pursue their engineering career goals
- Contributing to the NUASt Enrichment programme
- Undertaking such other duties as are commensurate with the post and which may reasonably be required by the Principal

You will enhance young people's futures by:

- Teaching students according to their educational needs, including the appropriate setting and marking of work to be carried out by the students
- Assessing, recording and reporting on the attendance, progress, development and attainment of students whilst keeping electronic records as required
- Contributing to reports and references relating to individual students
- Ensuring that ICT, Literacy and Numeracy are part of the teaching and learning experience of students
- Ensuring a high quality learning experience for students, which meet internal and external quality standards
- Preparing and regularly updating subject materials
- Using a variety of delivery methods, which will stimulate learning appropriate to student needs and demands of the syllabus
- Maintaining discipline in accordance with the NUASt procedures, and to encourage good practice with regard to punctuality, behaviour, standards of work and independent learning
- Undertaking assessment of students as requested by external examination bodies, departmental and NUASt procedures
- Marking and grading students work which enables you to give written/verbal and diagnostic feedback
- Supporting and motivating students to allow them to grow and enhance their own skills in both achieving qualifications and work readiness
- Ensuring the maximum opportunity for young people to prepare for pathways into further learning, training or employment

- Supporting partnership events with key stakeholders including students, parents, employers, schools, further and higher education establishments
- Engaging with employers to develop learner employability skills, ensuring work related learning experiences are at the core of the UTC curriculum
- Ensuring all students understand the expected standards of behaviour and be prepared to intervene where these are standards are not followed
- Ensuring a safe, secure and healthy environment for students

You will protect our students by:

- Responding effectively and immediately to safeguarding/child protection concerns raised by staff, pupils or brought to the NUASTs attention through other means
- Ensuring that safeguarding policies are followed and communicated effectively

### **Generic Requirements:**

- 1.** It is a requirement of all posts within the Academy that Health and Safety requirements are upheld in the performance of duties;
- 2.** All employees of the Academy are required to uphold the Equality and Diversity Policy and the Academy's Code of Conduct;
- 3.** All staff will ensure the safeguarding of young people by the implementation of Child Protection and other safeguarding policies;

This job description is not a complete description of the role, as you are required to undertake any other reasonable duties within the level of responsibility and grading of the post as directed by the Principal

## Person Specification

	<b>REQUIREMENT</b>	<b>Essential</b>	<b>Desirable</b>	
<b>Qualifications &amp; Experience</b>	Education/ Training Honours degree or equivalent in relevant subject	X		
	Qualified Teacher Status	X		
	Industry Experience within engineering or related discipline		X	
	Relevant Experience Proven record of success as an outstanding Teacher		X	
	Previous teaching experience within 14-16 years education and/or 16+ education	X		
<b>Skills &amp; Abilities</b>	Knowledge of Cambridge National and/or BTEC engineering specifications		X	
	An understanding and demonstration of barriers to learning and how those may be overcome	X		
	Experience of managing student performance and intervention strategies to raise performance	X		
	Experience of safeguarding and additional educational needs	X		
	Experience of working alongside employer partners to achieve learning objectives		X	
	Experience of working with Gifted and Talented students		X	
	Ability to communicate effectively with a range of internal and external stakeholders	X		
	Excellent literacy, numeracy and IT skills	X		
	Ability to work under pressure and to meet tight deadlines	X		
	Ability to operate in a confidential manner with discretion Enthusiasm, optimism and energy	X		
	Evidence of commitment to own continuing professional development	X		

Responsible to:	Principal
Date:	February 2016