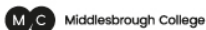


North East Institute of Technology

Newsletter – February 2024



A NEW HOME FOR ENGINEERING AT



East Durham College is happy to announce the development of a brand new Institute of Technology suite at its Peterlee campus, as part of a wider project to relocate engineering from the existing Technical Academy site to the main Peterlee campus.

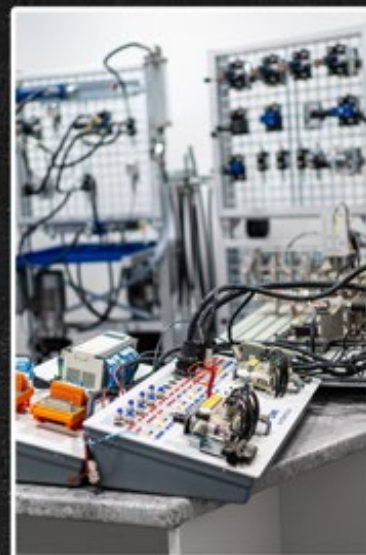
The new suite will be a specialist technology room created to support and meet the changing needs in the engineering industry. This will future-proof the college's learning delivery well into the next decade, as well as develop current and future skills in our learners to make them more employable.

This room has been developed from the foundations already laid at the Technical Academy and will combine cutting-edge innovations with the experience and knowledge of existing engineering staff, to meet the needs of students and employers in our region.



Using the latest concept ideas currently used by our manufacturing sector partners within industry, (such as additive manufacturing) enables the college to develop industry ready learners. Such concepts enable the EDC site to promote sustainability and environmental considerations consistent with national as well as international requirements.

The new IOT suite is just the start of our project to further improve engineering at EDC. It will be further complimented by a range of new engineering workshops, improving facilities at our Peterlee site that will cover the full range of practical activity found within the engineering sector. This will enable a full support network across the extensive range of skills necessary within local industry including the 'softer employability skills' that are vital to help learners enter the world of work.



Local industry partnerships, in conjunction with EDC, have strongly influenced the development of the EDC curriculum pathways to suit their employment needs. The (new) IOT facility will therefore provide a further springboard for our learners to enable them to be work ready and suitable for our industry partners in the future.

The new facilities at EDC are currently in progress with an aim to be finished early 2024.



NORTH EAST
INSTITUTE OF
TECHNOLOGY

SCHOOL PUPILS GET A TASTE OF THE ENGINEERING SECTOR

Middlesbrough College invited over 80 secondary school students from Acklam Grange, Rye Hills, Outwood Acklam and UCA to celebrate tomorrow's engineer week late last year.

Students were invited to Middlesbrough College to take part in a range of STEM related engineering and construction workshops, learning about the range of courses on offer in STEM industries including our IoT and HTQ programmes giving them a taste of the careers available in industry.

As a STEM Specialist College, Middlesbrough College are proud to offer a range of engineering and construction courses, including T Level programmes where students can benefit from a 45-day work placement out in industry as well as a range of Higher Technical Qualifications that are helping many people already excel in their careers.

As part of the event, students had the chance to explore and use the College's industry-standard facilities and enjoy hands-on workshops. Workshops were hosted by Middlesbrough College's experienced staff who all have recent industry experience, these included civil engineering, surveying and planning, welding, motor vehicle, electrical engineering, mechanical rocket building, plumbing and joinery.

A&N Safety Consultants and SeAH Wind were also in attendance for the day and provided insightful talks about the sectors, inspiring students, and answering any questions they had about the roles and careers involved.



Construction workshop

The event helped students gain a real insight into industry and ask any questions they may not get chance to when visiting a general college open day.

Zoe Lewis, Principal and Chief Executive was thrilled with the feedback from the day:

"It's been fantastic to see some of our prospective students learn about the specialist courses we have on offer and the careers they may lead to. They've been involved in practical workshops and learnt about our programmes - from entry level qualifications right up to our Higher-Level courses, this has really helped students understand how they can progress at Middlesbrough College."

"The Engineering and Construction team works closely with a range of leading employers in the region to help provide interactive days such as this one - it's great to see them support us with events such as this and help us develop our offering."

Find out more about Middlesbrough College's IoT courses at mbro.ac.uk



NA College

Real Life, Real Knowledge, Real Education

Digital Transformation Award 2024

Sponsored by **NA College**

 www.nacollege.ac.uk
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 01914661188



NA College is delighted to announce it is sponsoring the North East Automotive Alliance (NEAA) Annual Award for Digital transformation.

The NEAA Annual Awards is a prestigious ceremony that recognises the incredible talent and achievements of the companies making a real impact on the North East automotive industry. This year's awards will take place on Thursday 28th March 2024, where the winners will be announced at a luxurious dinner ceremony at Ramside Hall Hotel in Durham.



This year's awards ceremony features an incredible line-up of eight new and updated categories. NA College are proud sponsors of one of these prestigious categories, The Digital Transformation Award. NA College CEO, Margherita Pasquariello said, "We decided to sponsor the award for digital transformation, as this aligns with two of the College's main focus's, the automotive industry, including its supply chain and the transformation to the digital age."

This specific award category has been introduced for the first time this year, to emphasise the North East's digital skills need. This need was recently identified in the North East Local Skills Improvement Plan (LSIP). Over the past year NA College have invested significant resources to create new training opportunities in Digital and Data Analysis to support local employers' training demands and support the local skills agenda.

The Digital Transformation Award recognises the company that is championing digital adoption. To be eligible for this award, companies must be able to demonstrate their digital transformation journey, outlining strategy to date, future plans, associated workforce planning and the intended impact of these changes.

3 companies who have demonstrated the required criteria will be shortlisted for the category. The winner will receive a trophy, whilst at the same time raise much needed funding to support school and STEM projects in the local area.

NISSAN

APPRENTICE OPENING EVENING

8TH AND 15TH FEBRUARY
NISSAN SPORTS AND LEISURE CENTRE

JOIN US TO LEARN MORE ABOUT OUR APPRENTICESHIPS IN:
MANUFACTURING AND SPECIALIST SKILLS
MAINTENANCE
PRODUCTION QUALITY
ENGINEERING (DEGREE APPRENTICESHIP)
KAIZEN INNOVATION

HOSTED BY NISSAN,
ACCOMPANIED BY OTHER NORTH EAST AUTOMOTIVE ALLIANCE BUSINESSES

STARTING SALARY OF MORE THAN **£16,000**

GET YOUR TICKET HERE:
<https://www.nacollege.ac.uk/apprenticeship-opening-evening>

QUESTIONS?
CONTACT: APPRENTICESHIPS@NISSAN-NUK.CO.UK
CAREERS@NISSAN.CO.UK
APPLICATIONS CLOSE 29TH FEBRUARY 2024

5-11 FEBRUARY 2024

#NAW2024

IT'S NATIONAL APPRENTICESHIP WEEK

NA College are proud to support National Apprenticeship Week 2024 with a range of events and activities celebrating our apprentices' achievements and highlighting their experiences throughout their learning journey.

Beginning Monday 5th February, learners will share their experiences of apprenticeships on all our Social Media Channels, and some of our apprentices will be visiting a food bank to help raise money. NA College will be supporting several apprenticeship events at Newcastle and Nissan culminating with our own Apprentice of the year awards to celebrate all our apprentices' achievements over the last year.

NORTH EAST
I N S T I T U T E O F
T E C H N O L O G Y



Department
for Education

New College Durham

Nurturing Apprenticeship Success for Organisations

New College Durham invites organisations to embark on a purpose-driven apprenticeship journey, where commitment aligns with tangible benefits.

Working in partnership with the Department for Education and the Apprenticeship Ambassador Network, this initiative aims to enhance workforce productivity by promoting the proven advantages of employing apprentices. The program facilitates informed decision-making, offering insights into financial and contractual commitments essential for building a sustainable and thriving workforce. Organisations can navigate financial considerations with grant incentives and expert assistance in creating an Apprenticeship Service Account, ensuring a confident and eased investment in their future workforce.

The comprehensive and impartial support provided, seamlessly integrates apprenticeships, covering recruitment services to connections with local Training Services, recognising the importance of a well-supported implementation.

This initiative is grounded in the belief that apprenticeships contribute to building resilient organisations, envisioning a future where businesses flourish through skilled, motivated, and loyal workforces.

Interested in finding out more?

Click this link to provide us with your details: <https://forms.office.com/e/2be7nWaW1a>

Partnering with Cummins

New College Durham forges a transformative partnership with Cummins, a global leader in power solutions, to introduce a cutting-edge Technical Engineering Apprenticeship.

This dynamic four-year program, hosted at Cummins' Darlington facility, offers aspiring engineers a unique blend of hands-on experience and theoretical knowledge through rotations across various engineering functions.

Aligned with Cummins' core values, the apprenticeship emphasizes integrity, diversity, caring, excellence, and teamwork, ensuring the holistic development of future professionals.

Learners will benefit from competitive starting salaries, on-site facilities, community involvement initiatives, project work opportunities, and more.

This collaboration underscores a commitment to shaping the next generation of engineering talent, fostering an environment where education and industry converge seamlessly for the benefit of learners and the evolution of the engineering landscape.



NORTH EAST
INSTITUTE OF
TECHNOLOGY

DEVELOPING LOCAL TALENT

In a commendable display of hands-on skills and dedication, a group of Level 3 Electrical Installation students from Tyne Coast College successfully completed their work experience programme, with prominent South Tyneside based construction organisation, Castle.

All 14 students gained 21 hours of work experience as well as the opportunity to work alongside senior members of the Castle team on live projects. The hands-on experience provided an invaluable opportunity for the students to apply the theoretical knowledge gained in the workshops to real-world scenarios, fostering their growth and enhancing their practical skills.



Val Quinan, Work Placement Officer at Tyne Coast College, said: *“Castle has been a fantastic employer to work with. They have been very supportive and accommodating giving our students week-long work placements, and ‘hands on’ experience of working doing electrical installations on live construction projects. The students loved the experience, it gave them a great insight into working in this sector.”*

REAL WORK EXPERIENCE

Tyne Coast College is taking education to new heights, providing students with invaluable industry experience across a wide range of employer engagement activities. As an integral part of their academic curriculum, these activities bridge the gap between classroom learning and applying what they learn at college in a real work environment, ensuring that students are well-equipped for success in their chosen fields.

Our plastering students enjoyed a site visit to look at a new project from construction company, Willmott Dixon. A group of engineering students visited Siemens for an “insight day” where they met with industry staff who talked about their career journey and apprenticeship openings. Engineering company, Hexagon also visited the college to meet with machining students and talk about new opportunities as well as emerging technologies in the industry.



NORTH EAST
I N S T I T U T E O F
T E C H N O L O G Y

National Apprenticeship Week Employers' Business Breakfast

Upskill your team with Higher and Degree Apprenticeships

Friday 9 February 2024 | 9:30 - 11:30

The Catalyst, Newcastle Helix

Discover how our Higher and Degree Apprenticeship programmes in leadership, management, coaching, data analytics and electrification can enhance skills in your organisation and develop skills for life.

- Listen to our Q&A Panel of employers and apprentices
- Discuss the practicalities of applying for apprenticeships, and access to government funding
- Network with fellow business leaders over breakfast



Reserve free your place now
[from.ncl.ac.uk/naw-2024-bde-lp](https://www.ncl.ac.uk/naw-2024-bde-lp)



Inspire

BEng Product Design and Development Engineer

Degree Apprenticeship

Develop the skills and expertise needed to drive critical engineering innovation in electrification and advanced manufacturing in your organisation

Higher and Degree
Apprenticeships

[go.ncl.ac.uk/productdesign](https://www.ncl.ac.uk/productdesign)

NEIoT- Retrofit

Transforming Homes, Empowering Futures: A Regional Collaboration in Retrofitting

At the heart of the North East, a visionary initiative is underway to reshape the future of retrofitting. The North East Institute of Technology (NEIoT), with lead partner New College Durham and collaborating colleges (Middlesbrough College, East Durham College, and Tyne Coast College), alongside industry stalwart Esh Group, is pioneering a project titled "Retrofitting for the North East."

Addressing the Skills Gap: The journey began with a crucial acknowledgment of the skills gap in the retrofitting industry. NEIoT, in collaboration with regional employers and partners, identified the need for a skilled workforce to meet the pressing demand for energy-efficient and sustainable living spaces.

Strategic Collaboration: This collaborative effort seamlessly brings together the academic expertise of NEIoT and its partner colleges with the industry know-how of Esh Group. The shared vision is to future-proof homes in the region, aligning with the UK's ambitious goal of achieving net-zero emissions by 2050.

Courses Tailored to Industry Needs: A suite of accredited courses has been meticulously crafted to cover various aspects of the retrofitting process. Recognising the potential of a market estimated between £3.5bn and £6.5bn annually, these courses include NEIoT Retrofit Installer, Retrofit Advisor, Retrofit Assessor, and Retrofit Co-Ordinator.

Industry Demands and Local Collaboration: Understanding the demand for skilled tradespeople in the retrofitting market, NEIoT has joined forces with organisations including Green Leaf Engineering, North Star Housing, Believe Housing, and Constructing Excellence North East. These collaborations ensure that the courses offered are not just theoretical but align with the practical needs of the industry.

Building a Future-Ready Workforce: The impact of retrofitting on the construction industry is significant, with projections indicating a need for 500,000 skilled retrofit operatives by 2030. NEIoT's initiative not only addresses the immediate skills gap but also looks to the future, with plans for ongoing mentorship and additional courses in early 2024.

Regional Reach and Comprehensive Opportunities: Starting January 2024, these courses will be available across NEIoT campuses, ensuring that the local workforce is equipped with the skills demanded by employers. The initiative is not just about education; it's about building a community of skilled professionals, fostering collaboration, and driving positive change in the region.

In essence, "Retrofitting for the North East" is more than just a project – it's a testament to the power of collaboration between education and industry, and the shared vision of creating a sustainable and skilled workforce for the future. Future updates on this transformative journey will follow in subsequent newsletters as we continue to build, innovate, and empower the North East.



A quick guide to Higher Technical Qualifications (HTQs)



What are HTQs?

Higher Technical Qualifications (HTQs) are a great way to get the skills employers want - a route to well-paid, secure and sustainable jobs.

We know that employers are crying out for more people qualified in these skills to grow their businesses and the economy. HTQs are at the forefront of our drive to have more people qualified at higher technical levels – great jobs such as Nursing Associate, Sports Coach or Network Engineer.

HTQs give employers a voice at the heart of the skills system – developing the standards that qualifications are assessed against. With employers telling us what skills they need and what 'quality' means, students can have confidence that taking an HTQ will be an investment in themselves, and in the future.

Once approved, the HTQ can display the HTQ Quality Mark, meaning that it delivers the skills employers need. Look out for this logo to find an approved HTQ.



What are the benefits of HTQs?

HTQs give you confidence that you are getting the skills that employers want. They offer a great deal of flexibility for a variety of learners, including the possibility to study full or part time. They are a great way to continue your studies and get a good job, or to retrain or progress in your current career.

When can you start an HTQ?

You have to be at least 18 to undertake an HTQ and they can be taken after a level 3 qualification, such as A-levels, T Levels, BTECs or some advanced apprenticeships.



What HTQs are available?

September 2022	Digital
September 2023	Construction, Design & Build Health & Science
September 2024	Business & Administration Education & Early Years Engineering & Manufacturing Legal, Financial & Accounting
September 2025	Agriculture, Environment & Animal Care Catering & Hospitality Creative & Design Protective Services Sales, Marketing & Procurement

Do you have to pay tuition fees for HTQs?

If an HTQ is undertaken as a standalone qualification, tuition fees will apply, which will vary depending on the course. They're likely to cost from around £7,000 to £9,250 a year for a one-year or two-year course.

Are student finance options available?

HTQs attract the same [student finance](#) as degree study. This means eligible students can access tuition fee and maintenance loans on a part time and full time basis.

How do you apply for an HTQ?

There are two ways to apply for an HTQ.

- Use the [UCAS website](#) to search and apply for HTQ courses
- Apply directly to the training provider

Applications should be made in the autumn term observing the January deadline to have the best chance of securing your first choice for the following September.

You may also be able to find available HTQs during Clearing.



North East Institute of Technology (NEIoT)

The North East Institute of Technology (NEIoT) is a leading provider of high quality, higher level technical education and training across a range of science, technology, engineering, and mathematics (STEM) subjects.

The Institute provides students with an excellent education and can supply employers with the skilled workforce they need.

Whatever the objective for your career or your workforce, NEIoT is here to support you.



Partners

The NEIoT is a partnership of further education colleges, universities and businesses committed to supporting higher technical skills development in the North East.

Lead educational partner

New College Durham

Employer partners

Nissan
Esh Group

Research partner

Newcastle University

Partner colleges

East Durham College
NA College Trust
Middlesbrough College
Tyne Coast College



Middlesbrough College



Facilities

The IoT has a wide range of state-of-the-art facilities across the North East. We have invested in all our partner college campuses creating purpose built training centres and dedicated learning environments equipped with cutting edge technologies in engineering, built environment, advanced manufacturing, motor vehicle and digital sectors. You can choose to study a programme at your local NEIoT campus for the most convenient location for you.



NEIoT for employees

Whether you are starting out in your career or taking a new direction, the Institute has a course to help you achieve your goals. Choose from a range of full or part-time courses or explore our apprenticeships and higher apprenticeships.

All courses are developed and designed with respected industry partners to ensure you get the skills and knowledge that employers need.

Key benefits

Learn the specialist skills needed by employers in the North East.

Get high-quality training from lecturers with extensive industry experience.

Access state-of-the-art equipment and facilities.

Meet and work with employers.

Gain better career prospects and earning potential.

NEIoT for employers

The Institute supports employers to get the skills and talent they need to thrive. We will work with you to fill your skills gaps, attract your next generation of talent, diversify your workforce and make a difference to the local community.

Key benefits

Courses aimed at meeting the needs of employers by developing specialist skills required in industry.

Bespoke training programmes designed to upskill a workforce.

Degree and higher apprenticeship programmes.

Highly competent students to work on short-term, real-life projects set by you.

The chance to network with local, like-minded employers.

Discover how the NEIoT can take your business or career to the next level.

Contact us at neiot.co.uk/contact-us

For a full list of courses available at NEIoT visit neiot.ac.uk and check out the subjects on offer.

NORTH EAST
AUTOMOTIVE ALLIANCE 2024
Annual Awards

SME of the Year Award

sponsored by North East Institute of Technology (NEIoT)



DURHAM BUSINESS **growth** **climate**
 County Durham

Get Set, Green

Come and meet our experts and find out how to propel your business into a green future.

Tuesday 27th February
 9am - 4pm

Radisson Blu, Durham



Business Durham

BOOK NOW

28th February
 2024
 10.00-12.00
 Microsoft Teams

FE RECRUITMENT AND WORKFORCE ROUNDTABLE



Online webinar

Why an apprenticeship makes good business sense

6 February • 11.30am - 12.15pm

Hosted by Ammar Mirza CBE, Award-winning Entrepreneur and Chair of the North East LEP Business Growth Board



Waterstons
 Manufacturing Network

Breakfast Event
15th February
8am-9am



We need your help!
Calling all SME businesses based in the North East.

We're looking for your views on Apprenticeships.

Your views could help shape the future of Apprenticeships in the North East.

Click the link to take part

bit.ly/ApprenticeshipNE

It will take less than 3 minutes to complete



Education by **wavehill** On behalf of **North East Ambition**



Sharon Grant
Director of NEIoT

0191 375 4050
sharon.grant@newdur.ac.uk

Maxine Lee
Administrator
(Principalship & Corporate Services)

0191 375 4336
maxine.lee@newdur.ac.uk

