

# Course Guide



# Welcome to the North East Institute of Technology

The North East Institute of Technology (NEIoT) is one of a network of 21 Institutes of Technology (IoTs) around the United Kingdom.

Institutes of Technology are collaborations between further education colleges, universities and businesses. Our aim is to develop the high-level technical skills and qualifications that employers really need both now and in the future.

The NEIoT focuses on the higher technical skills needing development in the North East; concentrating on advanced manufacturing, engineering, construction and digital.

Studying at or working with the North East Institute of Technology will be an exciting path for everyone. You may be looking to embark on your chosen career, or you may already be on your career path and want to advance your skills and qualifications. You may be an employer looking to invest in your workforce by recruiting or upskilling.

Whatever you need for your career or for your workforce, the North East Institute of Technology is here to support you.

## A committed partnership

The knowledge and experience of our partner colleges, the access to a range of facilities and locations, and input from high profile employers, all combine for a partnership committed to success.

We work together to support the region by providing employers with the skilled workforce they need, and by providing students with an excellent technical education.



Middlesbrough College





# Be a part of the North East Institute of Technology

## Studying at the NEIoT

The North East Institute of Technology offers courses from Level 3 up to Level 7. You can choose from full and part time courses, or apprenticeships and higher apprenticeships.

As a student at the North East Institute of Technology you will benefit from:

- Close links with employers, creating employment opportunities
- Increased career prospects and earning potential
- Programmes designed and delivered in partnership with employers and Newcastle University
- Learning the specialist skills needed by employers in your region now and in the future
- Learning from lecturers with extensive industry experience
- Flexible full time and part time study options to suit your work and life commitments
- Affordable courses to help you get more qualified
- Courses delivered at different campuses around the North East for ease of travel to your place of study
- Free CPD courses

### How to apply

Simply visit [neiot.ac.uk](http://neiot.ac.uk) and find the course you want to study. Select your preferred campus and follow the links to apply.

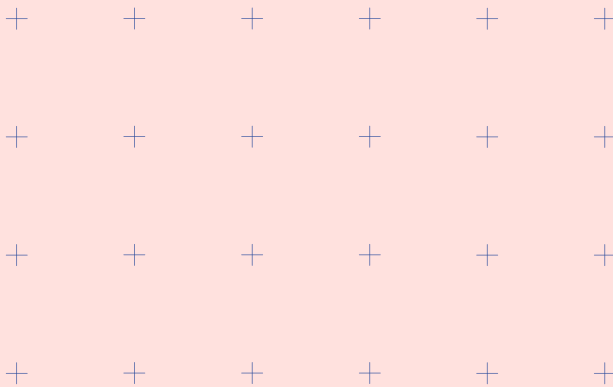
## Employers working with the NEIoT

NEIoT is committed to working in partnership with employers across the North East. We work with employers to:

- Design programmes that support training the skills employers need both now and in the future
- Offer training designed to upskill employees
- Offer apprenticeships and higher apprenticeships to help bridge skills gaps and increase productivity
- Offer work placements for NEIoT students, including T-Level industry placements
- Shape future workforces by creating a talent pool of work ready students

### Work with us

If you would like to work with the North East Institute of Technology please contact us on [neiot@newdur.ac.uk](mailto:neiot@newdur.ac.uk)



## Further Education partners

Lead partner



[newdur.ac.uk](http://newdur.ac.uk)



[eastdurham.ac.uk](http://eastdurham.ac.uk)



Middlesbrough College

[mbro.ac.uk](http://mbro.ac.uk)



[nacollege.ac.uk](http://nacollege.ac.uk)



TyneCoastCollege

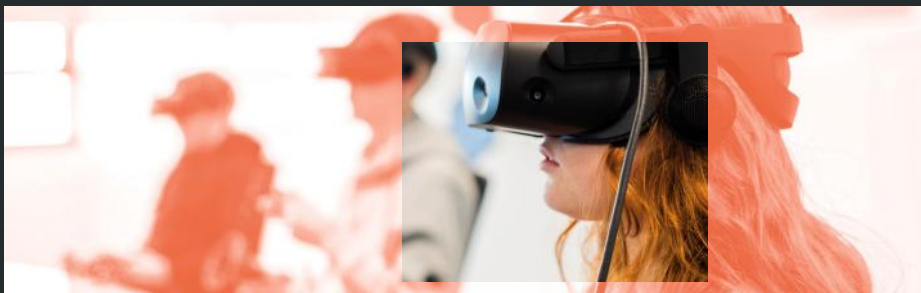
[tynecoast.ac.uk](http://tynecoast.ac.uk)

### Delivered in partnership

We are proud to be working in collaboration

## Lead partner

### New College Durham



At New College Durham, we are the lead educational partner in the North East Institute of Technology. We believe in a partnership approach for colleges and employers to provide students with a clear route to employment, and employers with a skilled workforce.

The North East Institute of Technology at New College Durham offers a range of vocational courses, apprenticeships and T Levels, focusing on advanced manufacturing and engineering, construction and digital.

Our friendly and supportive learning environment is a great place to study. Our excellent teaching staff make lessons inspiring, up to date and informative. We have an amazing support network in place to help you achieve your full potential.

Our STEM centre is home to the North East Institute of Technology at New College Durham. It's been purpose-built, includes state-of-the-art equipment for advanced manufacturing and the latest technology to deliver built environment programmes. Our students and employer partners can expect to see the benefits of industry standard facilities that will make a real difference to skills development.

Whatever your career goals or your goals for your workforce, we can help you achieve your potential while giving you life changing experiences and opportunities.

## East Durham College

East Durham College is proud to be a partner in the NEIoT, and offer related courses at our sites located in Peterlee and Houghall in Durham. This distinctive collaboration ensures we are equipping our students with the latest knowledge and skills that are in high demand among employers in our region. Our students receive training on state-of-the-art equipment that is similar to what they will be working with in the industry, ensuring they are well-prepared for their future careers in industry.

East Durham College provides enhanced training through vocational courses, apprenticeships and T Levels in sectors including digital, construction, advanced manufacturing and agricultural engineering as part of the NEIoT.

The College has invested significantly in developing industry-standard equipment, facilities, and expert training for electric and hybrid vehicles, mechatronics, pneumatics, and robotics, as well as the digital skills required for precise food production in agriculture. The College has strong links with industry, providing work experience, site visits, and

real-life briefs for students to work on.

So, what are you waiting for, why not explore all the exciting NEIoT courses available and take your next step towards a fulfilling career in one of these exciting sectors.



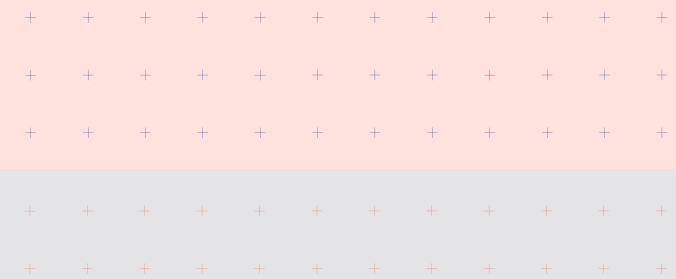
## Middlesbrough College

Middlesbrough College is proud to be the sole deliverer of Institute of Technology courses in the Tees Valley. Our IoT programmes include vocational courses, apprenticeship, higher education, and T Levels in the business, digital, construction and engineering sectors.

With a focus on hands-on experience, our courses are developed with driving innovation in mind to ensure our students at the forefront of the latest learning and technology.

We're excited that as a technical training leader, Middlesbrough College is playing an important role in the North East Institute of Technology. We deliver industry-focused skills training that meets the needs of employers and provides students with routes into high quality careers in the region and beyond.

We're also proud to deliver a suite of courses that have been awarded HTQ (Higher Technical Qualification) status, meaning students receive high quality training to gain the right skills and knowledge that reflect the needs of industry.



## Tyne Coast College

Tyne Coast College offers an exciting vision for education and training in the North East.

Our diverse and innovative vocationally driven curriculum, close links to employers and ambition to deliver outstanding provision, puts students on a clear course to academic attainment and career success.

Created from the merger of South Tyneside College, South Shields Marine School and TyneMet College, our diverse range of educational programmes are aligned to the skills needs of the region and strongly support economic growth.

Our guiding vision is to cut down barriers to education and provide opportunity and outstanding education to all, regardless of geographic or demographic boundaries.

Working from key campuses and locations, north and south of the Tyne, we offer students an almost unlimited range of vocational and technical qualifications.

This is why Tyne Coast College is proud to be part of the North East Institute of Technology, offering students a unique experience in a range of vocational courses and apprenticeships with a curriculum specific focus on engineering, digital, mechanics, green skills and advanced manufacturing. The IoT offers the opportunity for us to work closely with employers and engage with other colleges in a collaborative approach across the North East.



## NA College

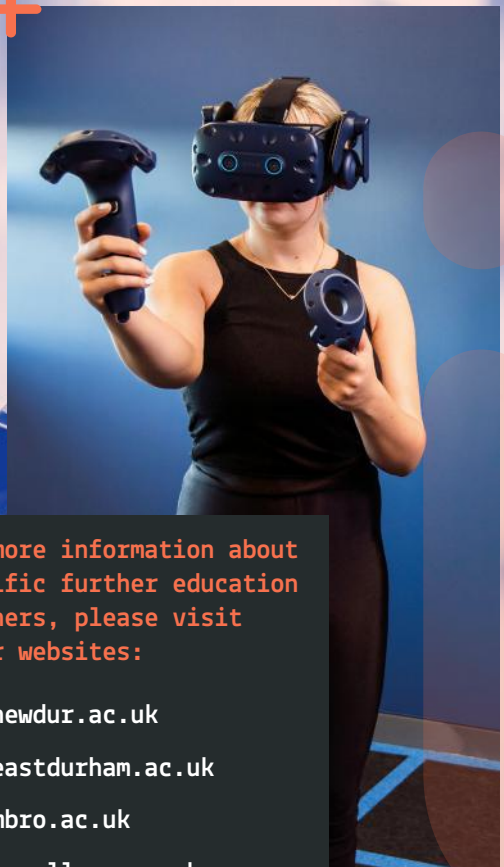
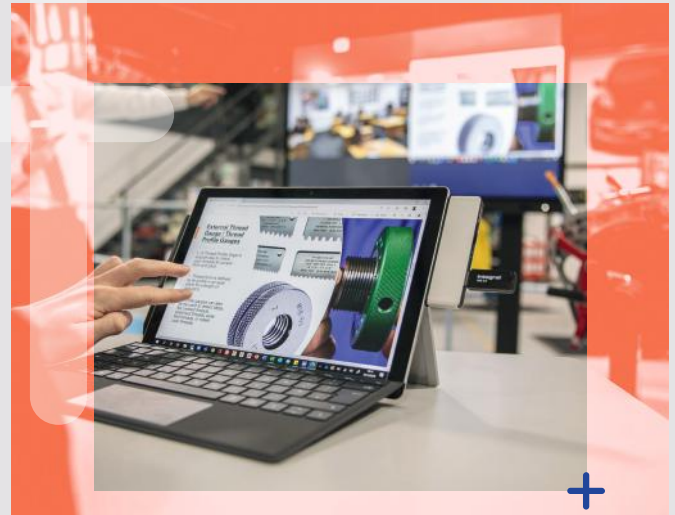
NA College is an independent training provider based in Washington, near to key industries in Sunderland's Industrial Advanced Manufacturing Park (IAMP). We specialise in the engineering, advanced manufacturing and logistics sectors.

We are proud to be a partner of the Institute of Technology, providing an exciting student learning journey. Aiming to embed the Real Life, Real Knowledge, Real Education methodology in each of our student training plans, we:

- ensure real work experience, mirroring industry shopfloor activities, offering a unique experience in our smart learning factory.
- adopt a blended delivery model and bespoke learning platform to engage learners and maximise their success.
- deliver training by highly professional tutors, industry-trained educators and industry specialists.
- develop our curriculum and training resources in partnership with our employer partners and certified by awarding bodies.

We offer higher technical qualifications and vocational skills training to support roles and career progression in the advanced manufacturing, warehousing and supply chain sector.

The heart of NA College is our continuous investment in the campus shopfloor, in equipment and advanced technology to enable learners to gain valuable experience practicing workplace processes and techniques.



For more information about specific further education partners, please visit their websites:

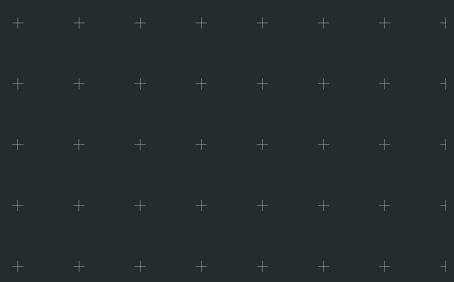
[www.newdur.ac.uk](http://www.newdur.ac.uk)

[www.eastdurham.ac.uk](http://www.eastdurham.ac.uk)

[www.mbro.ac.uk](http://www.mbro.ac.uk)

[www.nacollege.ac.uk](http://www.nacollege.ac.uk)

[www.tynecoast.ac.uk](http://www.tynecoast.ac.uk)



# Higher Education partner

## Newcastle University

Newcastle University is a leading provider of Higher Education courses in the North East and is strongly supportive of the North East Institute of Technology. It will change the higher education and skills landscape in the region by linking employer needs for highly skilled individuals with the best quality teaching and learning, informed by world class, cutting edge research. We offer a range of higher level degrees in engineering subjects which complement the courses offered by the North East Institute of Technology.

For more information visit:  
[www.ncl.ac.uk/undergraduate/subjects/engineering](http://www.ncl.ac.uk/undergraduate/subjects/engineering)

Institute of Technology students will be able to take advantage of our state-of-the-art research facilities at Newcastle University, developing stronger links with the University necessary for the engagement in Higher Education courses and research-oriented projects.

For more information about Newcastle University visit [www.ncl.ac.uk](http://www.ncl.ac.uk)



# Lead Employer partners



Esh Group is one of the largest privately-owned construction, development and property services businesses operating across the North East, Tees Valley, Yorkshire and the Humber.

Headquartered in County Durham with its roots tracing back over 50 years, Esh Group specialises in the delivery of civil engineering, new build housing, refurbishment, commercial build and retrofit projects for a wide range of clients.

Esh Group is a proud employer partner of the North East Institute of Technology and plays an active role in shaping the curriculum for the workforce of tomorrow. We also provide a variety of opportunities for students to experience construction careers in the workplace through T-Level, work experience placements and apprenticeships, as well as learning about the skills employer's value through employability talks and site visits.

For more information, visit [www.eshgroup.co.uk](http://www.eshgroup.co.uk)



Nissan Motor Manufacturing UK - Sunderland Plant is the jewel in the crown of Nissan's manufacturing presence in Europe. As one of Britain's largest car production plants of all time, and the fastest car plant in UK automotive history to reach the million mark with one model, the Qashqai, Nissan Sunderland Plant is a record-breaking facility.

Nissan Motor Manufacturing UK is pleased to be a leading partner in the North East Institute of Technology initiative which will not only help to provide higher level skills for manufacturing companies, but also to inspire people of all ages to invest in their own skills and knowledge.

Working with our partners in industry, business and education, our aim is to increase productivity, improve competitiveness and future proof the skills offering in our region. The Institute of Technology will be at the heart of a new skills revolution in the North East.

For more information, visit [www.nissan.co.uk](http://www.nissan.co.uk)

# Types of Qualifications

At NEIoT you can study from Level 3 all the way to Level 7. Here is a guide to the different types of qualifications.

## T Levels

These courses are 2 year technical programmes designed with employers to give you the skills to get on in the workplace. You'll combine classroom learning with an extended work placement.

## Vocational courses

A more hands-on course that relate to a specific career or technical skill. You will study one subject in-depth mixing theory and practice.

## Apprenticeships

Combine practical on-the-job skills training with off-the-job learning. You'll get training that is relevant to your job and be paid a salary.

## Higher National Certificate/Diploma (HNC/HND)

These are work-related, practical qualifications that give you skills that are used in a particular job.

## Foundation degrees

A foundation degree offers a combination of technical skills and academic study. It is a qualification in its own right or can be topped up to an honours degree.

## Top-up degree

This study programme allows students to convert a foundation degree or HND into a full honours degree.

## Honours degrees

Degrees help develop analytical, intellectual and writing skills.

## Professional qualifications

Professional qualifications are vocational training courses that relate to a specific industry or career path. They are designed to ensure that everyone employed in a particular job meets the minimum required standards of professional expertise.

## Master's degree

A master's degree is undertaken by degree graduates & covers a precise area of study.

## Degree & higher apprenticeships

These apprenticeships offer the chance to gain practical work experience and study a university level qualification.

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| + | + | + | + | + | + | + |
| + | + | + | + | + | + | + |

## Qualification Grid

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|

|    |                 |                              |                                   |                             |                                           |                             |                       |
|----|-----------------|------------------------------|-----------------------------------|-----------------------------|-------------------------------------------|-----------------------------|-----------------------|
| L7 | Masters         |                              |                                   |                             |                                           | Higher Apprenticeship       | Degree Apprenticeship |
| L6 | Degree (BA/BSc) | Top-up Degree (BA/BSc)       |                                   | Professional Qualifications | Professional Graduate in Education (PgCE) | Higher Apprenticeship       | Degree Apprenticeship |
| L5 |                 | Foundation Degree (FdA/FdSc) | Higher National Diploma (HND)     |                             | Certificate in Education (CertEd)         |                             |                       |
| L4 |                 |                              | Higher National Certificate (HNC) |                             |                                           |                             |                       |
| L3 | A-Levels        | Level 3 Diploma              | T-Levels                          | Access to HE Diploma        |                                           | Advanced Apprenticeship     |                       |
| L2 | GCSE Grades 9-4 | Level 2 Diploma              |                                   |                             |                                           | Intermediate Apprenticeship |                       |
| L1 | GCSE Grades 3-1 | Level 1 Diploma              |                                   |                             |                                           |                             |                       |



# Higher Technical Qualifications

A Higher Technical Qualification accreditation is a mark of quality. When you study a HTQ you can be certain you will get a high-quality qualification that fits with labour market skills needs and provides clear paths to employment. These level 4 and 5 qualifications are suitable for students who would like to upskill or retrain, or for learners wanting to carry on studying after completing a T-Level or A-Levels or Level 3 vocational programmes.

We are incredibly proud that some of our courses have been awarded HTQ status by the Institute for Apprenticeships and Technical Education.

## What is a HTQ?

Higher Technical Qualifications have been developed by awarding bodies in collaboration with employers and businesses to ensure students receive specific high-quality training to gain the knowledge and skills needed to progress in their chosen sector. As new or existing Level 4 and Level 5 qualifications (such as Foundation Degrees and HNDs), HTQs meet occupational standards for the relevant sector and therefore have been approved by the Institute for Apprenticeships and Technical Education to have HTQ status.

## Who are HTQs for?

Higher Technical Qualifications are for you if you are:

- Aged 18 and over
- Looking to retrain or upskill
- Focused on gaining the knowledge and practical experience needed for a skilled job
- A more practical learner
- Excited about studying an employer-led course
- Interested in progressing to further study or training

## What can I study?

The first approved digital courses below were delivered from September 2022. Construction and Health & Science followed in 2023 and then a full roll-out will commence over a four-year period. The following areas are expected:

- Business and Administration
- Education and Childcare
- Engineering and Manufacturing
- Legal, Finance and Accounting.
- Catering and Hospitality
- Creative and Design
- Hair and Beauty
- Care Services
- Sales, Marketing and Procurement

## Benefits of employer engagement

We have developed strong links with employers to offer high quality technical courses that are designed to provide training that reflects the local needs of businesses, supporting them to build a qualified workforce.

HTQs are a high-quality alternative to other popular experience-focused routes, such as apprenticeships, traineeships or degrees.

# Sector Spotlight

Information correct as of February 2024.

## Business & Management

The dynamic and growing business, consulting and management industry is vast. This means that there are a wide range of different job roles available in management, finance, sales, marketing, administration. There are many different careers paths you could follow, both in specialist organisations such as business consulting or marketing; or as a professional within industry. Here are just some examples:

**Management Consultants & Business Analysts:** These roles advise industrial, commercial and other establishments on a variety of management and business-related matters to assist in the formulation of financial and business policies in order to maximise growth or improve business performance.

**What could I earn?** Salaries for this career can range between £38,000 and £49,000 depending on skills and experience.

**How many jobs are there?** There are currently 3,193 employed Management Consultants & Business Analysts in the region, and this number is increasing.

**Business & Financial Project Management Professionals:** These roles manage and oversee major projects across all sectors of modern industry, commerce and the public sector, in areas such as e-commerce, business analysis, finance, product development, marketing, human resources.

**What could I earn?** Salaries for this career can range between £51,000 and £58,000 depending on skills and experience.

**How many jobs are there?** There are currently 5,617 employed Business & Financial Project Management Professionals in the region and it is predicted to grow.

**Sales Accounts & Business Development Managers:** Sales accounts and business development managers plan, organise and undertake market research to meet the requirements of an organisation's marketing and sales policies.

**What could I earn?** Salaries for this career can range between £24,000 and £54,000 depending on skills and experience.

**How many jobs are there?** There are currently 11,439 employed Sales Accounts & Business Development Managers in the region and this is growing.

## Construction

Construction and Civil Engineering is the creation of the built environment. If you are interested in designing and building things this could be the career for you. You will need to make decisions confidently, have excellent communication and project management skills and be able to work within budgets and to deadlines. Construction is one of the UK's largest and most diverse sectors. It is a global industry with lots of rewarding jobs for construction graduates. Here are some of the careers within the construction sector:

**Construction & Building Trades Supervisors:** Construction and building trades supervisors oversee operations and directly supervise and coordinate the activities of workers in construction and building trades.

**What could I earn?** Salaries for this career can range between £37,000 and £43,000 depending on skills and experience.

**How many jobs are there?** There are currently 2,207 employed Construction & Building Trades Supervisors in the region.

**Civil Engineers:** Civil engineers undertake research and design, direct construction and manage the operation and maintenance of civil and mining engineering structures.

**What could I earn?** Salaries for this career can range between £41,000 and £47,000 depending on skills and experience.

**How many jobs are there?** There are currently 2,143 employed Civil Engineers in the region, and it is growing.

**Construction Project Managers & Related Professionals:** These roles manage and oversee major construction and civil engineering projects and major building contracts for quality of work, safety, timeliness and completion within budget.

**What could I earn?** Salaries for this career can range between £34,000 and £45,000 depending on skills and experience.

**How many jobs are there?** There are currently 2,298 employed Construction Project Managers & Related Professionals in the region., and it is growing.

## Digital

Digitisation of industry is increasing and digital technologies are used throughout most sectors. The digital sector is fast-moving and dynamic and one of the fastest growing sectors currently. It is at the heart of everyday life, at home, work and in our leisure time from computer graphics and control systems to communications and problem-solving and cyber security to software development; the digital sector has an ever increasing role to play.

There are many different digital careers paths you could follow, both in specialist IT or digital organisations or as a digital professional within industry. Here are just some examples:

**IT Engineer:** IT engineers install, maintain and repair the physical components of computer systems and equipment.

**What could I earn?** Salaries for this career can range between £30,000 and £39,000 depending on skills and experience; with a £45,240 potential salary.

**How many jobs are there?** There are currently 1,143 IT Engineers in the North East region.

### **Programmers & Software Development Professionals:**

Programmers and software development professionals design, develop, test, implement and maintain software systems in order to meet the specifications and business objectives of the information system; they also design and develop specialist software.

**What could I earn?** Salaries for this career can range between £43,000 and £50,000 depending on skills and experience.

**How many jobs are there?** There are currently 7,172 employed Programmers & Software Development Professionals in the region, and it is predicted to grow.

**IT Operations Technicians:** IT operations technicians are responsible for the day-to-day running of IT systems and networks including the preparation of back-up systems, and for performing regular checks to ensure the smooth functioning of such systems.

**What could I earn?** Salaries for this career can range between £30,000 and £50,000 depending on skills and experience.

**How many jobs are there?** There are currently 3,652 employed IT Operations Technicians in the region, and it is predicted to grow.

## Engineering

Engineering is a diverse profession that contributes to most aspects of modern life. It is one of the highest earning professions after law and medicine. The engineering sector has a range of specialised areas, and the demand for qualified engineers is very high so career prospects are good.

There are many different careers paths you could follow within the range of specialised areas. Here are just some examples:

**Engineering Technicians:** Engineering technicians perform a variety of technical support functions to assist engineers with the design, development, operation, installation and maintenance of engineering systems and constructions.

**What could I earn?** Salaries for this career can range between £31,000 and £40,000 depending on skills and experience.

**How many jobs are there?** There are currently 4,324 employed Engineering Technicians in the region and it is predicted to grow.

**Design & Development Engineers:** Design and development engineers conceive engineering designs from product ideas or requirements in mechanical, electrical and electronic engineering.

**What could I earn?** Salaries for this career can range between £42,000 and £46,000 depending on skills and experience.

**How many jobs are there?** There are currently 3,141 employed Design & Development Engineers in the region.

**Mechanical Engineers:** Mechanical engineers undertake research and design, direct the manufacture and manage the operation and maintenance of engines, machines, aircraft, vehicle and ships' structures, building services and other mechanical items.

**What could I earn?** Salaries for this career can range between £34,000 and £49,000 depending on skills and experience.

**How many jobs are there?** There are currently 3,165 employed Mechanical Engineers in the region, and it is growing.

# Course listings

Courses correct as of April 2024. For up to date course listings visit [neiot.ac.uk](http://neiot.ac.uk)

| Level | Programme | Provider(s) |
|-------|-----------|-------------|
|-------|-----------|-------------|

| Business and Management |                                                         |                                           |
|-------------------------|---------------------------------------------------------|-------------------------------------------|
| 3                       | Certificate in Housing                                  | New College Durham                        |
| 4                       | Diploma in Accounting                                   | New College Durham                        |
| 5                       | FdA Business and Management                             | Middlesbrough College, New College Durham |
| 5                       | Diploma Management and Leadership                       | New College Durham, Tyne Coast College    |
| 5                       | Associate Diploma in People Management                  | New College Durham                        |
| 6                       | BA (Hons) Business Management (Top-up)                  | Middlesbrough College                     |
| 6                       | BA (Hons) Management (Top-up)                           | New College Durham                        |
| 7                       | Advanced Diploma in Strategic People Management         | New College Durham                        |
| 7                       | Diploma in Strategic Management and Leadership Practice | New College Durham                        |

| Construction & Building Services |                                                                                                 |                                                                |
|----------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 3                                | Requirements for Electrical Installations                                                       | New College Durham                                             |
| 3                                | Electric Vehicle Charging Equipment Installation                                                | New College Durham                                             |
| 3                                | Diploma in Construction and the Built Environment                                               | Middlesbrough College                                          |
| 3                                | Diploma in Plumbing                                                                             | Tyne Coast College                                             |
| 3                                | Diploma in Electrical Installation                                                              | Tyne Coast College                                             |
| 3                                | T Level in Onsite Construction - Bricklaying                                                    | Middlesbrough College                                          |
| 3                                | T Level in Onsite Construction - Carpentry and Joinery                                          | Middlesbrough College                                          |
| 3                                | T Level in Building Services Engineering (Electrotechnical and Engineering)                     | East Durham College, Middlesbrough College, New College Durham |
| 3                                | T Level in Building Services for Engineering or Construction (Plumbing and Heating Engineering) | East Durham College, Middlesbrough College                     |
| 3                                | T Level in Building Services for Engineering (Heating and Ventilation Engineering)              | Middlesbrough College                                          |
| 3                                | T Level in Design, Surveying and Planning for Construction (Civil Engineering)                  | Middlesbrough College, New College Durham                      |
| 3                                | T Level in Design, Surveying and Planning for Construction (Surveying and Design)               | New College Durham                                             |
| 4                                | HNC Construction and the Built Environment - Construction                                       | Middlesbrough College                                          |
| 4                                | HNC Building Services                                                                           | Middlesbrough College                                          |
| 4                                | HNC Civil Engineering                                                                           | Middlesbrough College, New College Durham                      |
| 4                                | HNC Architectural Technology                                                                    | New College Durham                                             |
| 4                                | HNC Modern Methods of Construction                                                              | New College Durham                                             |
| 4                                | HNC Construction Management                                                                     | New College Durham                                             |
| 5                                | HND Top-up Construction and the Built Environment (Civil Engineering)                           | New College Durham                                             |
| 5                                | HND Top-up Construction & the Built Environment                                                 | New College Durham                                             |

To find out more, or to apply for any of these courses, please visit the colleges' websites:  
[newdur.ac.uk](http://newdur.ac.uk) / [mbro.ac.uk](http://mbro.ac.uk) / [eastdurham.ac.uk](http://eastdurham.ac.uk) / [tynecoast.ac.uk](http://tynecoast.ac.uk) / [nacollege.ac.uk](http://nacollege.ac.uk)

| Level          | Programme                                                                      | Provider(s)                                                    |
|----------------|--------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Digital</b> |                                                                                |                                                                |
| 3              | Diploma in Computer Science and Software Development (Foundation and Extended) | Tyne Coast College                                             |
| 3              | Diploma in IT (Foundation and Extended)                                        | Middlesbrough College, Tyne Coast College                      |
| 3              | T Level in Digital Business Services                                           | East Durham College, Middlesbrough College, New College Durham |
| 3              | T Level in Digital Production, Design and Development                          | East Durham College, Middlesbrough College, New College Durham |
| 3              | T Level in Digital Support Services                                            | Middlesbrough College, New College Durham                      |
| 3              | T Level in Digital Infrastructure                                              | New College Durham                                             |
| 3              | T Level in Data Technician                                                     | New College Durham                                             |
| 4              | HNC in Computing (Network Engineering)                                         | Middlesbrough College                                          |
| 4              | HNC in Computing (Software Developer)                                          | Middlesbrough College                                          |
| 4              | HNC in Computing                                                               | Tyne Coast College                                             |
| 4              | HNC in IT                                                                      | Tyne Coast College                                             |
| 5              | HND Digital Technology                                                         | Tyne Coast College                                             |
| 5              | HND in Computing (Network Engineering)                                         | Middlesbrough College                                          |
| 5              | HND in Computing (Software Developer)                                          | Middlesbrough College                                          |
| 5              | FdSc Cyber Security                                                            | New College Durham                                             |
| 5              | FdSc Business Computing                                                        | New College Durham                                             |
| 6              | BSc (Hons) Business Computing (Top-up)                                         | New College Durham                                             |
| 6              | BSc (Hons) Computing (Top-up)                                                  | Middlesbrough College                                          |
| 6              | BSc (Hons) Cyber Security (Top-up)                                             | New College Durham                                             |
| 6              | BA (Hons) Games Design (Top-up)                                                | Middlesbrough College                                          |

|                    |                                                                   |                                                                |
|--------------------|-------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Engineering</b> |                                                                   |                                                                |
| 3                  | Access to HE Diploma Engineering                                  | Middlesbrough College                                          |
| 3                  | Diploma in Advanced Manufacturing                                 | Middlesbrough College, Tyne Coast College                      |
| 3                  | Advanced Manufacturing Engineering (Electrical/Electronic)        | Middlesbrough College, New College Durham                      |
| 3                  | Advanced Manufacturing Engineering (Machining)                    | Middlesbrough College                                          |
| 3                  | Advanced Manufacturing Engineering (Mechanical)                   | New College Durham                                             |
| 3                  | Electrical/Electronic Engineering                                 | East Durham College, Middlesbrough College, Tyne Coast College |
| 3                  | Diploma in Engineering                                            | Tyne Coast College                                             |
| 3                  | Sub Diploma in Engineering Technologies                           | New College Durham                                             |
| 3                  | Diploma in Instrumentation and Control Engineering                | Middlesbrough College                                          |
| 3                  | Diploma in Machining                                              | Tyne Coast College                                             |
| 3                  | Diploma in Manufacturing Engineering                              | Tyne Coast College                                             |
| 3                  | Mechanical Engineering                                            | East Durham College, Middlesbrough College, Tyne Coast College |
| 3                  | Fabrication & Welding                                             | East Durham College                                            |
| 3                  | T Level in Maintenance, Installation and Repair (Electrical)      | Middlesbrough College, New College Durham                      |
| 3                  | T Level in Maintenance, Installation and Repair (Instrumentation) | Middlesbrough College                                          |
| 3                  | T Level in Maintenance, Installation and Repair (Mechatronics)    | Middlesbrough College                                          |

| Level                           | Programme                                                                               | Provider(s)                                                                        |
|---------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Engineering continued...</b> |                                                                                         |                                                                                    |
| 3                               | T Level in Maintenance, Installation and Repair (Mechanical)                            | Middlesbrough College                                                              |
| 3                               | T Level in Maintenance, Installation and Repair (Light and Electric Vehicle)            | East Durham College                                                                |
| 3                               | T Level in Design and Development (Electrical and Electronic)                           | Middlesbrough College                                                              |
| 3                               | T Level in Design and Development (Instrumentation)                                     | Middlesbrough College                                                              |
| 3                               | T Level in Design and Development (Mechanical)                                          | Middlesbrough College, New College Durham                                          |
| 3                               | T level in Manufacturing, Processing and Control (Fitting assembly technologies)        | East Durham College, Middlesbrough College                                         |
| 3                               | T level in Manufacturing, Processing and Control (Machining)                            | Middlesbrough College                                                              |
| 3                               | T level in Manufacturing, Processing and Control (Fabrication and Welding Technologies) | East Durham College                                                                |
| 4                               | HNC General Engineering                                                                 | Tyne Coast College                                                                 |
| 4                               | HNC Electrical and Electronic Engineering                                               | East Durham College, Middlesbrough College, New College Durham, Tyne Coast College |
| 4                               | HNC Manufacturing Engineering                                                           | Middlesbrough College, Tyne Coast College                                          |
| 4                               | HNC Mechanical Engineering                                                              | East Durham College, New College Durham, Tyne Coast College                        |
| 4                               | HNC Operations Engineering                                                              | Middlesbrough College                                                              |
| 5                               | HND Electrical and Electronic Engineering                                               | East Durham College, Middlesbrough College, Tyne Coast College                     |
| 5                               | HND General Engineering                                                                 | Sunderland College, Tyne Coast College                                             |
| 5                               | HND Mechanical Engineering                                                              | East Durham College, Middlesbrough College, Tyne Coast College                     |
| 5                               | HND Operations Engineering                                                              | Middlesbrough College                                                              |
| 5                               | FdSc Power Distribution and Sustainable Energy                                          | Tyne Coast College                                                                 |
| 5                               | FdEng Maintenance Engineering                                                           | New College Durham                                                                 |
| 6                               | BEng (Hons) Electrical and Electronic Engineering (Top-up)                              | Middlesbrough College                                                              |
| 6                               | BEng (Hons) Manufacturing Engineering (Top-up)                                          | Middlesbrough College                                                              |
| 6                               | BEng (Hons) Mechanical Engineering (Top-up)                                             | Middlesbrough College                                                              |
| 6                               | BEng (Hons) Operations (Top-up)                                                         | Middlesbrough College                                                              |
| 6                               | BEng (Hons) Engineering Management (Top Up)                                             | Sunderland College                                                                 |

# Course listings

## Apprenticeships

Courses correct as of April 2024. For up to date course listings visit [neiot.ac.uk](http://neiot.ac.uk)

| Level                          | Programme                                                                                                                                                                                                                                                                 | Provider(s)                                                                                      |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Level 3 Apprenticeships</b> |                                                                                                                                                                                                                                                                           |                                                                                                  |
| 3                              | Building Services Design Technician                                                                                                                                                                                                                                       | Middlesbrough College                                                                            |
| 3                              | Business Administrator                                                                                                                                                                                                                                                    | NA College                                                                                       |
| 3                              | Advanced Civil Engineering Technician                                                                                                                                                                                                                                     | Middlesbrough College, New College Durham                                                        |
| 3                              | Advanced Apprenticeship Construction Support Technician                                                                                                                                                                                                                   | New College Durham                                                                               |
| 3                              | Data Technician                                                                                                                                                                                                                                                           | Middlesbrough College                                                                            |
| 3                              | Digital Marketer                                                                                                                                                                                                                                                          | Middlesbrough College, New College Durham                                                        |
| 3                              | Engineering Design and Draughtsperson<br>Various pathways available visit website to find out more:<br>Mechanical / Electrical / Structural                                                                                                                               | Middlesbrough College                                                                            |
| 3                              | Engineering Fitter                                                                                                                                                                                                                                                        | Middlesbrough College, Tyne Coast College                                                        |
| 3                              | Engineering Technician<br>Various pathways available visit website to find out more or contact us to discuss your requirements:<br>Kaizen / Machinist / Mechatronics Maintenance / Maintenance Technician / Product Design and Development / Technical Support/ Toolmaker | East Durham College, Middlesbrough College<br>New College Durham, NA College, Tyne Coast College |
| 3                              | Improvement Practitioner                                                                                                                                                                                                                                                  | NA College                                                                                       |
| 3                              | Improvement Technician (Yellow Belt)                                                                                                                                                                                                                                      | NA College                                                                                       |
| 3                              | Information Communications Technician                                                                                                                                                                                                                                     | Middlesbrough College, New College Durham, Tyne Coast College                                    |
| 3                              | Installation Electrician / Maintenance Electrician                                                                                                                                                                                                                        | New College Durham, Tyne Coast College                                                           |
| 3                              | Junior Content Producer                                                                                                                                                                                                                                                   | Middlesbrough College                                                                            |
| 3                              | Total Production Quality Control (TPQE)                                                                                                                                                                                                                                   | NA College                                                                                       |
| 3                              | Land Based Service Engineering Technician                                                                                                                                                                                                                                 | East Durham College                                                                              |
| 3                              | Maintenance and Operations Technician standard                                                                                                                                                                                                                            | Middlesbrough College, Tyne Coast College                                                        |
| 3                              | Metal Fabricator<br>*Tyne Coast College - Plate Welder/Pipe Welder                                                                                                                                                                                                        | East Durham College, Middlesbrough College<br>New College Durham, Tyne Coast College*            |
| 3                              | Science Industry Maintenance Technician                                                                                                                                                                                                                                   | Middlesbrough College                                                                            |
| 3                              | Science Manufacturing Technician                                                                                                                                                                                                                                          | Middlesbrough College                                                                            |
| 3                              | Software Development Technician                                                                                                                                                                                                                                           | Middlesbrough College, New College Durham                                                        |
| 3                              | Supply Chain Practitioner                                                                                                                                                                                                                                                 | NA College                                                                                       |
| 3                              | Team Leader / Supervisor                                                                                                                                                                                                                                                  | East Durham College, Middlesbrough College, NA College, Tyne Coast College                       |

To find out more, or to apply for any of these courses, please visit the colleges' websites:  
[newdur.ac.uk](http://newdur.ac.uk) / [mbro.ac.uk](http://mbro.ac.uk) / [eastdurham.ac.uk](http://eastdurham.ac.uk) / [tynecoast.ac.uk](http://tynecoast.ac.uk) / [nacollege.ac.uk](http://nacollege.ac.uk)

| Level                          | Programme                                                                                                                                                                                                                                                      | Provider(s)                                           |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Level 4 Apprenticeships</b> |                                                                                                                                                                                                                                                                |                                                       |
| 4                              | Assessor Coach                                                                                                                                                                                                                                                 | NA College                                            |
| 4                              | Associate Project Manager                                                                                                                                                                                                                                      | NA College                                            |
| 4                              | Automation & Controls Engineering Technician                                                                                                                                                                                                                   | NA College                                            |
| 4                              | Construction Design and Build Technician<br>Various pathways available visit website to find out more or contact us to discuss your requirements:<br>Civil Engineering / Construction Management / Architectural Technology / Modern Methods of Construction   | Middlesbrough College, New College Durham             |
| 4                              | Construction Quantity Surveying Technician<br>Various pathways available visit website to find out more or contact us to discuss your requirements:<br>Civil Engineering / Construction Management / Architectural Technology / Modern Methods of Construction | Middlesbrough College, New College Durham             |
| 4                              | Construction Site Supervisor<br>Various pathways available visit website to find out more or contact us to discuss your requirements:<br>Civil Engineering / Construction Management / Architectural Technology / Modern Methods of Construction               | Middlesbrough College, New College Durham             |
| 4                              | Cyber Security Technologist                                                                                                                                                                                                                                    | New College Durham                                    |
| 4                              | Corporate Responsibility & Sustainability Practitioner                                                                                                                                                                                                         | NA College                                            |
| 4                              | Data Analyst                                                                                                                                                                                                                                                   | NA College, New College Durham                        |
| 4                              | Engineering Manufacturing Technician                                                                                                                                                                                                                           | Middlesbrough College, NA College, Tyne Coast College |
| 4                              | Engineering Technician (Maintenance Technician)                                                                                                                                                                                                                | NA College                                            |
| 4                              | Improvement Technician                                                                                                                                                                                                                                         | NA College                                            |
| 4                              | Improvement Practitioner (Green Belt)                                                                                                                                                                                                                          | NA College                                            |
| 4                              | Manufacturing Technician (Electrical Engineering)                                                                                                                                                                                                              | New College Durham                                    |
| 4                              | Manufacturing Technician (Mechanical Engineering)                                                                                                                                                                                                              | New College Durham                                    |
| 4                              | Marketing Executive                                                                                                                                                                                                                                            | Middlesbrough College                                 |
| 4                              | Network Engineer                                                                                                                                                                                                                                               | Middlesbrough College                                 |
| 4                              | Project Management                                                                                                                                                                                                                                             | Tyne Coast College                                    |
| 4                              | Process Leader                                                                                                                                                                                                                                                 | NA College                                            |
| 4                              | Senior Housing and Property Management                                                                                                                                                                                                                         | New College Durham                                    |
| 4                              | Senior Civil Engineering Technician                                                                                                                                                                                                                            | New College Durham                                    |
| 4                              | Software Developer                                                                                                                                                                                                                                             | Middlesbrough College, New College Durham             |

|                                  |                                                              |                                                                                      |
|----------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Level 5-7 Apprenticeships</b> |                                                              |                                                                                      |
| 5                                | Coaching Professional                                        | NA College                                                                           |
| 5                                | Construction Management, Sustainability                      | New College Durham                                                                   |
| 5                                | HR Consultant Partner                                        | New College Durham                                                                   |
| 5                                | Improvement Specialist                                       | NA College                                                                           |
| 5                                | Operations / Departmental Manager                            | East Durham College, Middlesbrough College<br>New College Durham, Tyne Coast College |
| 6                                | BA (Hons) Chartered Manager (Degree Apprenticeship) (top-up) | New College Durham                                                                   |
| 6                                | Improvement Leader (Master Black Belt)                       | NA College                                                                           |
| 7                                | Senior People Professional                                   | New College Durham                                                                   |
| 7                                | Strategic Leadership and Management                          | New College Durham                                                                   |

To find out more, or to apply for any of these courses, please visit the colleges' websites:  
[newdur.ac.uk](http://newdur.ac.uk) / [mbro.ac.uk](http://mbro.ac.uk) / [eastdurham.ac.uk](http://eastdurham.ac.uk) / [tynecoast.ac.uk](http://tynecoast.ac.uk) / [nacollege.ac.uk](http://nacollege.ac.uk)

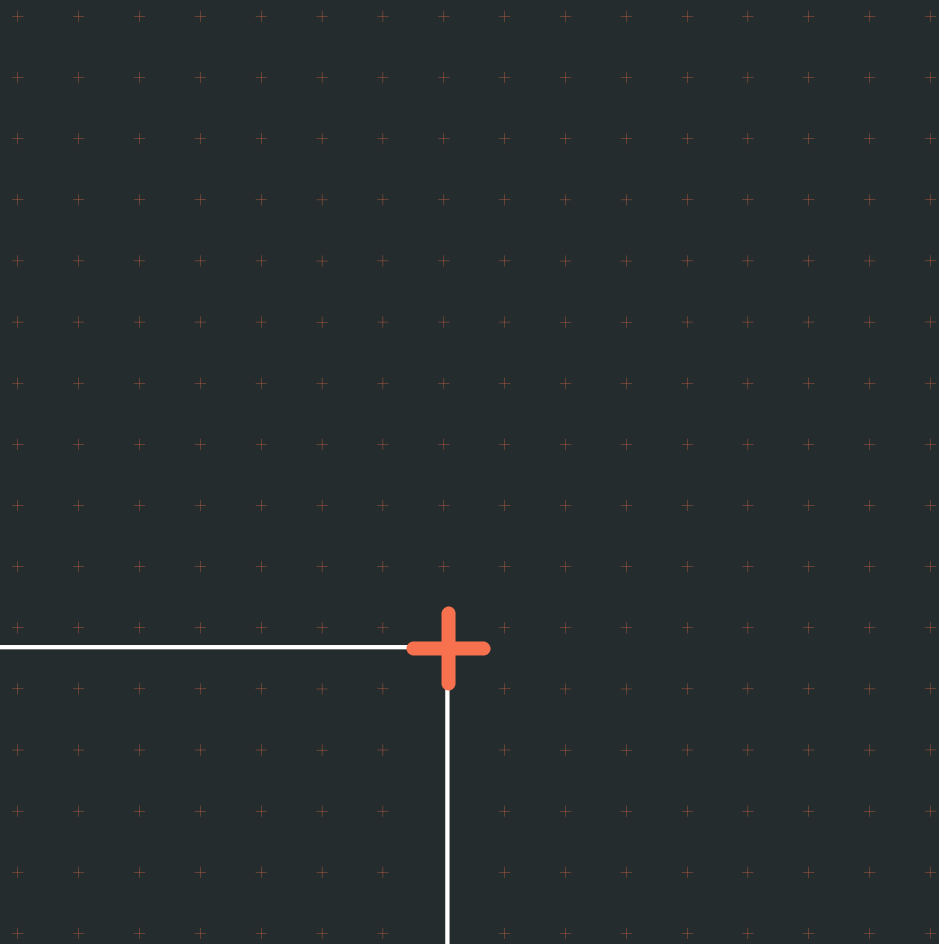
An aerial photograph of a construction site, likely for a railway or infrastructure project. A large white crane with 'SERVIC' and 'BAILEY' branding is positioned on a road or track bed. The crane's boom extends upwards. In the background, there are rows of residential houses and a fence line. The entire image is overlaid with a semi-transparent orange filter. The text 'TECHNICAL. SKILLS. WORK.' is written in large, white, sans-serif capital letters across the center of the image.

# TECHNICAL. SKILLS. WORK.

The information in this guide was correct as of April 2024.

College's within this document issues this information as a general guide to its policies and facilities and reserves the right to modify or alter, without prior notice, any of the contents herein or otherwise advertised.

The college regularly reviews its offer, and therefore courses, qualifications, facilities and fees may be subject to change.



Technical.  
Skills.  
Work.



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