

Teesside University Online Learning in Engineering



Strengthen your business and upskill your technical and engineering workforce

Teesside University online learning in engineering is one of the leading providers of high-quality flexible education to the industry.

For over 30 years we have been creating high-quality, stand-alone, open learning materials. It is a realistic way to deliver necessary training and education to staff who are unable to attend conventional classroom-based courses. So, if your employees work on an oil rig in the North Sea or working with varying shift patterns in manufacturing, their professional development need not be interrupted. Our flexible learning methodology enables everyone to study at a time that suits them without interrupting their work.

100% online learning allows your employee to get a university-level qualification from the comfort of their own home or workplace. Students access expert teaching and support and all lectures, tutorials and assessments take place online.

Find out more about who we are at tees.ac.uk/about

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Employee retention and upskill

Keeping up to date with the latest industry standards and learning new skills is essential, but finding the time to attend training can be difficult, which is why our 100% online courses could be the perfect choice for your employees. Increased knowledge and higher qualifications will enhance your employees' performance, additionally upskilling is a core component in employee retention.

Tutors are experts in their respective fields, so you'll benefit from the insight they share with your employee.

Students are encouraged to work collaboratively, expand networks, and foster connections for your business.

You may wish to sponsor an employee who is:

- > studying to support an application for promotion
- > acquiring the skills needed in a new role
- > refreshing their knowledge after a career break.

We deliver future-facing learning that is informed by industry and underpinned by over 30 years of open learning experience. Academically equivalent to our on-campus degrees, the programmes involve the same quality and level of work.

Our courses are equally suited to the ongoing professional development of senior technical managers and to supporting established vocational training such as apprenticeships.



Find out more at tees.ac.uk/tuole



Student profile

Andrew Webster

Higher National Diploma in Mechanical Engineering

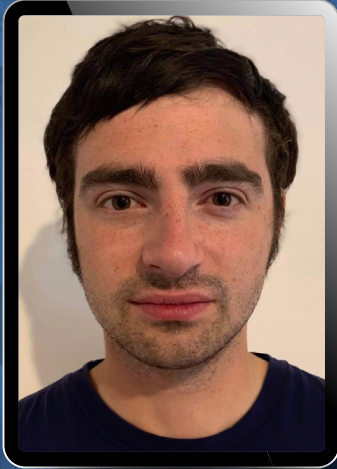
'I wanted to study the HND to support my job role as a Technical Field Advisor. I chose the distance learning option to work around my current role. I work away from home, so I spend a lot of time travelling and staying in hotels and I have enjoyed filling those free hours with something challenging and rewarding.'

'The HND is helping me to understand the theory of our mechanical components in my job role. I already have the skills to take them apart, repair and rebuild them. I'm hoping this will help me understand how these components work in a deeper sense.'

'The online Library is a fantastic resource; I couldn't believe how much information was readily available.'

'I have enjoyed the course material and the support I have received from tutors.'

Read more at teessi.de/andrew



Student profile

Kieron Paterson

Higher National Diploma in Mechanical Engineering

'The reason I decided to pursue further education is to gain more knowledge in my field of engineering and to open greater job prospects and progression opportunities.'

'I completed my HNC when I was working through my apprenticeship and decided now was the right time to build upon the foundations my apprenticeship had laid, to work towards my degree.'

'I work full-time as a Site Maintenance Engineer, so I enjoy the flexibility which online learning provides.'

Read more at teessi.de/kieron

Supporting your staff

Learning online doesn't mean learning alone.

We have regular contact with our students, providing feedback and support. Our experienced team of tutors are available to provide 121s, giving feedback and supporting students in the UK and internationally.

With a comprehensive tutor support network and competitively priced programmes, your employees' flexible study with us means you can enhance their skills and knowledge in a way that suits your business needs.

We encourage collaborative learning and students are supported to foster connections, and friendships and to build their network while they learn, develop and progress together, as a connected cohort.

Access to support services

Students can access on-campus support services, which includes learning resources such as ebooks and journal articles (available 24/7), career advice, student support services and alumni networks.

From tutor support to in-person graduation, we foster a sense of belonging through our community of online learners.

Find out more at teessi.de/TUOL-supporting-staff



How will my employee learn?

Students learn remotely through 100% online distance learning. Our courses are delivered through the Brightspace Learning Environment.

The virtual learning environment (VLE) is the platform students use to access their online course which provides learning and support materials.

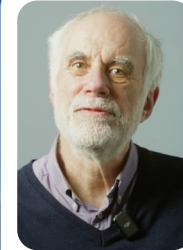
- > You can use it on your smartphone, tablet and computer
- > You can use it anytime so that you can plan your learning to fit your schedule
- > It's easy to use and navigate
- > Modules are set out by topics and themes
- > We support you to become familiar with your VLE, helping you to start learning quickly
- > You get feedback, help and guidance from tutors throughout your course through the VLE, and you can ask questions at any time
- > Our tutors use a live activity feed to keep you updated about your course

- > If there is practical work involved in a module you do it at home using special practical kits developed by us and loaned to you free of charge to use on the course
- > You can create a student profile, collaborate with other students and take part in online discussion forums.

All our course materials are self-contained and come with a full support and assessment package, allowing your staff to achieve an internationally recognised technical and engineering qualification.

Students will be required to access the courses with their own equipment and software.

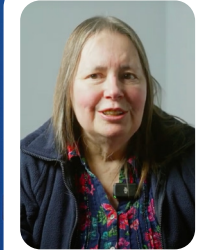
Find out more at
teessi.de/TUOL-whyTeesside



Dr Stephen Brown



Dr Vishak Dudhee



Dr Mary Dodd

Meet the team

Watch our short videos to meet our engineering lecturers, Stephen, Vishak and Mary. Scan the QR to watch.



Fees

Online learning is the most cost-effective means of providing your staff with the education they need to ensure your company remains competitive.

Course specialisms offered include:

- > Mechanical
- > Chemical and Process
- > Electrical and Electronic
- > Instrumentation and Control
- > Petroleum
- > Energy
- > Project Management

Course	Price
Higher National Certificate (HNC)	£3,960 or £495 per module
Higher National Diploma (HND)	£3,960 students or £495 per 15 credit module
BEng Tech (Hons)	£6,000 full time. £4,500 part-time (120 credits)
Foundation course	£495
Postgraduate Certificate (PGCert)	£2,460 (£820 for each 20 credits)
Postgraduate Diploma (PGDip)	£4,920 (£820 for each 20 credits)
Master of Science (MSc)	£7,380 (£820 for each 20 credits)

Fees are correct at the time of publication and may be subject to change at any time.
For the latest fee information, please see our website tees.ac.uk/sections/onlinelearning/courses.cfm

Student profile

David Day

Higher National Certificate in
Electrical and Electronic Engineering

'I chose to further my education to help with new job prospects and to get a better understanding of the field I work in. I chose Teesside due to being able to do the course remotely in my own time. I'm currently a Maintenance Electrician and I've gained a much deeper understanding of the field I am in, and I can approach tasks in the workplace with more confidence. The flexibility Teesside University offers is second to none and I've enjoyed being able to complete the course at my own pace.'

Entry requirements

The principal entry requirement for a Teesside University online learning in engineering HNC course is that our tutors are satisfied that students can be expected to benefit from the course and have a realistic expectation of completing it.

The basic entry requirement for the HNC courses is a Level 3 qualification in mathematics. If your staff don't qualify at this level, we have a bridging module available - Foundation Mathematics for Engineers. If you wish your staff to start with the Foundation Mathematics for Engineers module, please let us know as we will be able to accommodate this.

For entry onto either HNC Chemical Engineering or HNC Processing Engineering, students may be required to complete a bridging module in Process Chemistry. The basic entry requirement for the HND is an eligible HNC.

For entry onto a BEng Tech (Hons) top-up course students need a HND or equivalent in a relevant subject.

For entry to a postgraduate course, students need a UK degree or equivalent.

We will consider armed forces qualifications and international qualifications for entry - dependent upon the qualifications and subject to the final decision of the University.

We make every effort to take relevant previous experience and appropriate alternative qualifications into account.

Please see our website for up-to-date information and all terms and conditions of study.

To find out more and to enquire, please get in touch with our team at
onlinelearning@tees.ac.uk

Visit tees.ac.uk/tuole for more information.



Top-up degrees in Engineering

We are proud to announce the launch of our new 100% online top-up degrees catering to the needs of aspiring engineers seeking flexibility and accessibility in their academic pursuits. These new programmes provide students with high-quality education and industry-relevant skills, empowering them to excel in their careers while studying from anywhere in the world.

Course	Duration & Mode	Information
BEng Tech (Hons) Chemical and Process Engineering	2 years, 100% online	Tailored to equip students with the fundamental knowledge and practical skills required to excel in the field of chemical and process engineering. Through a comprehensive curriculum, students gain insights into key areas such as renewable energy and low-carbon systems, sustainable processing, chemical process operations and chemical engineering in industry.
BEng Tech (Hons) Electrical and Electronic Engineering	2 years, 100% online	Our online top-up degree is ideal if you wish to study flexibly from anywhere in the UK or the world and enhance your career prospects. Modules include industrial electrical and electronic systems, power systems and drives, sustainability and industry 4.0.
BEng Tech (Hons) Engineering (Top-up)	1-2 years, 100% online	This general engineering course enhances your technical abilities and sharpens your analytical thinking, as well as helping you gain project management and leadership skills, setting you up for success in a fast-evolving field. It's an exciting time to be part of this dynamic field, and this BEng Tech (Hons) degree in engineering can help you realise your aspirations.
BEng Tech (Hons) Instrumentation and Control Engineering	2 years, 100% online	This course provides students with a strong foundation in instrumentation, control systems, digital control and instrumentation, advanced sensors, sustainability and industry 4.0. This course meets the growing demand for skilled professionals capable of designing, implementing, and maintaining advanced control systems across various industries.
BEng Tech (Hons) Mechanical Engineering	2 years, 100% online	Our online mechanical engineering BEng top-up degree builds on your knowledge and skills gained from your previous studies and helps gain knowledge and skills needed to analyse and find solutions to complex mechanical engineering problems. Modules include computer-aided analysis, mechanics of materials, product quality and reliability, sustainability and industry 4.0.



'With these courses, we aim to empower aspiring engineers around the world to pursue their academic and professional goals on their own terms, while benefiting from the industry-aligned curriculum.'

Dr Dimitrios Nicolaou
Associate Dean in the School of Computing, Engineering & Digital Technologies.



'We are very proud to introduce the BEng Tech Engineering qualifications focused upon in-demand areas and in response to our student's own requests. The courses have been customised and developed to meet the continuing needs of the sector and tailored to facilitate student learning and the unique requirements of engineering students'

Emma Adcock
Director of Teesside University Online

Higher National Certificates

Course	Duration & Mode	Information
Chemical Engineering	1-5 years, 100% online	This HNC is for learners who wish to work as technicians/technician engineers in the chemical or process engineering sectors, manufacture, maintenance and testing.
Electrical and Electronic Engineering	1-5 years, 100% online	This HNC is for learners who wish to work as a technician or technician engineer in electrical and electronics design, manufacture, maintenance, testing or fault finding.
Energy Engineering	1-5 years, 100% online	In a world facing urgent environmental challenges, renewable energy sources are gaining popularity and there is a growing demand for talent in the energy industry. This HNC in energy engineering is a step towards a career in the energy industry.
Instrumentation and Control Engineering	1-5 years, 100% online	This HNC is for learners who wish to work as technicians/technician engineers in instrumentation and control engineering design, manufacture, maintenance, testing or fault finding or the communications industry.
Mechanical Engineering	1-5 years, 100% online	This HNC course is for learners who wish to work as technicians/technician engineers in mechanical engineering design, manufacture, maintenance and testing.
Process Engineering	1-5 years, 100% online	This HNC is for learners who wish to work as technicians/technician engineers in the process engineering sector, manufacture, maintenance and testing.

Course accreditation is provided by Teesside University under licence from Pearson.

Higher National Diplomas

Course	Duration & Mode	Information
Chemical Engineering	2-5 years, 100% online	This HND is designed for learners who wish to work as technicians/technician engineers in the chemical or process engineering sectors. You could be involved in manufacturing, maintenance and testing work.
Electrical and Electronic Engineering	2-5 years, 100% online	This HND is a Teesside University award delivered under licence from Pearson by Teesside University Open Learning. The course is for you if you would like to work as a technician/technician engineer in electrical and electronics design, manufacture, maintenance, testing or fault finding.
Energy Engineering	2-5 years, 100% online	As renewable energy becomes more important and traditional energy systems undergo transformation, there is a growing demand for talent in the energy industry. This HND provides a solid foundation to build your career in the energy industry.
Instrumentation and Control Engineering	2-5 years, 100% online	This HND is a Teesside University award delivered under licence from Pearson by Teesside University Open Learning. The course is for learners who wish to work as technicians/technician engineers in instrumentation and control engineering design, manufacture, maintenance, testing or fault finding or the communications industries.
Mechanical Engineering	2-5 years, 100% online	This HND is a Teesside University award delivered under licence from Pearson by Teesside University Open Learning. The course is for you if you would like to work as a technician/technician engineer in mechanical engineering design, manufacture, maintenance and testing.
Process Engineering	2-5 years, 100% online	This HND is for learners who wish to work as technicians/technician engineers in the process engineering sector, manufacture, maintenance and testing.

Course accreditation is provided by Teesside University under licence from Pearson.

Foundation courses

Course	Duration & Mode	Information
Foundation Mathematics for Engineering	6 months, 100% online	Develops mathematical skills and techniques that are necessary to embark on the first year of an Engineering Programme in Higher Education
Foundation Process Chemistry	6 months, 100% online	Develop chemistry skills and techniques that are necessary to embark on the first year of a chemical (or related discipline) engineering programme in Higher Education.

PgCert

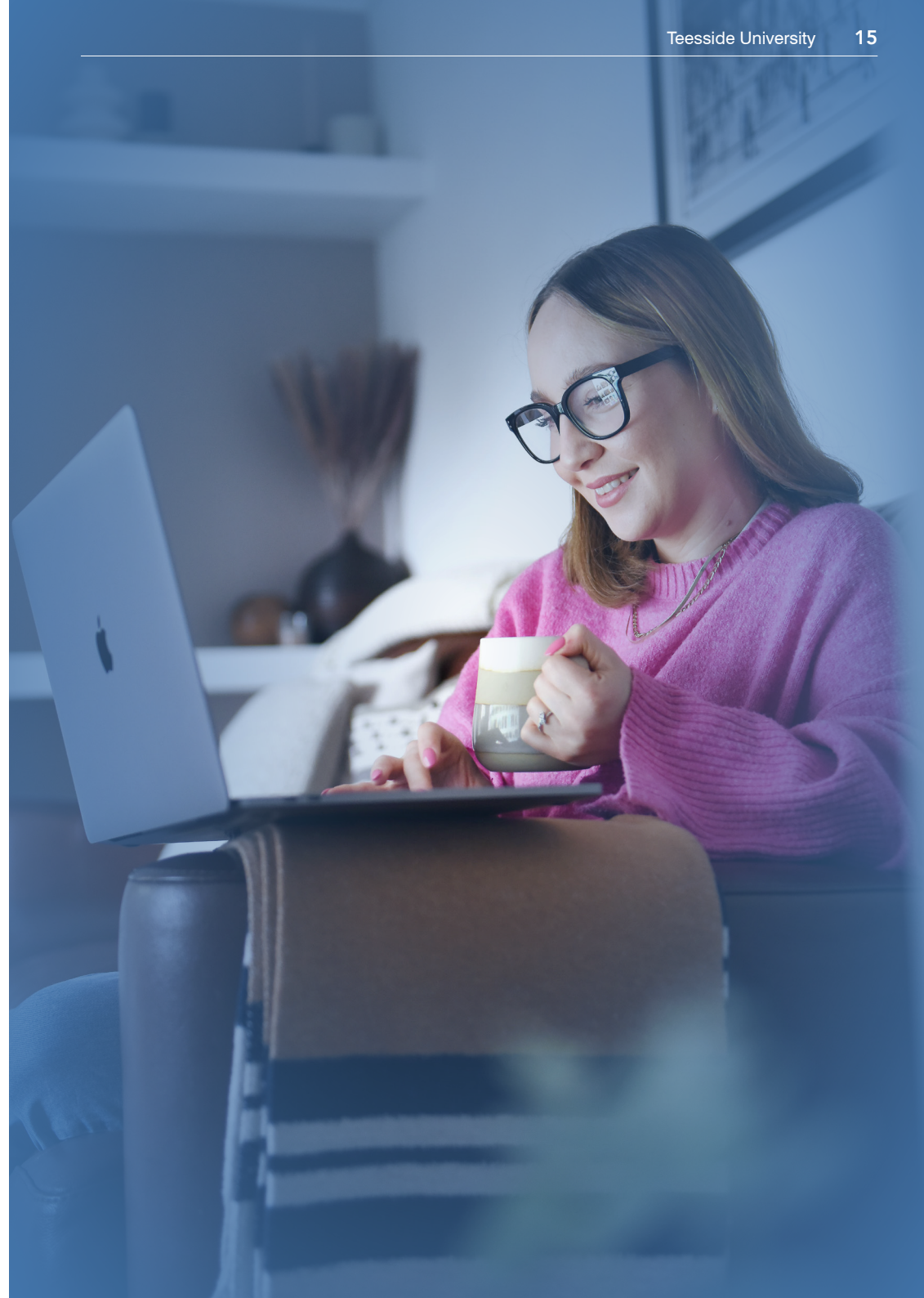
Course	Duration & Mode	Information
International Project Management	1 year, 100% online	Develop the skills to lead, plan, and execute successful projects in a dynamic and ever-evolving business landscape.

PgDip

Course	Duration & Mode	Information
International Project Management	2 years, 100% online	This course is suitable if you wish to develop skills in project management. With nine modules to choose from, you can tailor the course to what you're most interested in.

MSc

Course	Duration & Mode	Information
International Project Management	30 months, 100% online	Project management involves implementing methodologies, knowledge, skills and techniques to successfully deliver projects efficiently and effectively.



FAQs

Are there any week-long tutorials or summer breaks?

No, but there are collaborative sessions which, if you are unable to attend, will be recorded and made accessible to you to go through at a time that is convenient for you.

Are there any timetabled sessions that I need to be logged on at specific times?

The learning will include collaborative events, however should you not be able to attend, these will be recorded and you will be able to access the recordings.

Will all assessments be online?

All assessments will be conducted online.

What equipment will I need to study this course?

You will need a PC or laptop, basic software such as Microsoft Office and access to the internet.

Will there be any exam days where I need to travel to a specific location?

No, all assessments are online.

Will my BEng Tech (Hons) degree be acceptable for entry to a postgraduate degree?

Yes, Teesside University has a number of MSc courses that accept applicants holding our BEng Tech (Hons) awards, but you will need to meet the degree classification and any subject entry requirements for your chosen MSc course. You can explore our postgraduate courses here: tees.ac.uk/postgraduate

Why choose us?

Teesside University is an established UK University with an international reputation delivering courses online, on campus and internationally. We're the only University in the North East to receive a TEF rating of gold overall as well as for student experience and student outcomes.

We believe that innovation powers our steps to create a world where everyone benefits from progress, and we work with individuals and businesses to develop solutions that deliver ambition today.

Find out more, visit teessi.de/TUOL-ATD

Watch our video at teessi.de/TUOL-ADT-video



Scan here for
more information



tees.ac.uk/onlinelearning

