

Degree apprenticeships



**School of Science
& Engineering**



Degree apprenticeships in science, engineering and design

At Teesside University our science and engineering degree apprenticeship programmes offer employers a range of cost-effective educational and training solutions.

As employer you can recruit apprentices directly from those leaving school or college, or you can join our Advanced Entry Degree Apprenticeship (AdEDA) employer network and benefit from selecting your new apprentices from Teesside University's current full- or part-time students. These could be students who are completing their first year of studies on a relevant degree, Higher National Certificate (HNC) or Higher National Diploma (HND) programme.

Recruiting apprentices from our current students means you can select apprentices with a proven university-level academic ability, and reduce the amount your company / organisation pays for training apprentices by up to 50%.

An AdEDA membership registration form is included in this brochure.

What are degree apprenticeships?

Degree apprenticeships combine work with studying for a work-based higher education level qualification.

This government initiative enables you, as an employer, to get significant funding towards the cost of an apprenticeship – to recruit new staff or develop existing employees.

Apprentices gain technical knowledge and practical experience by combining on-the-job training with flexible study towards a higher education qualification. The qualification could be a Higher National Certificate, Higher National Diploma, foundation degree, full bachelor's degree or postgraduate master's degree.

The government has committed considerable funding to degree apprenticeships so there has never been a better time to get involved.

[Degree apprenticeships: the basics](#)

What are the benefits for employers?

- Increasing future productivity.
- Keeping the business up-to-date with the latest knowledge and innovative practice.
- Delivering on-the-job training to employees tailored to business needs.
- Apprentices can tackle skills shortages by filling higher level skill gaps.
- Develop existing staff by offering support and a fresh perspective.
- Find talented new staff members.
- Recoup apprenticeship levy payments (if you pay the levy), or take advantage of government funding (if you do not pay the levy or run out of levy funds).

Key facts about apprenticeship funding and the apprenticeship levy

- The way that apprenticeships are funded in England changed in May 2017.
- Employers with a pay bill in excess of £3m a year now pay the apprenticeship levy (around 1.3% of employers).
- The levy is charged at a rate of 0.5% of total pay bill, paid through PAYE.
- Levy paying employers are able to use their levy funds to purchase apprenticeship training through the government's new apprenticeship system.
- Levy funds are available in digital accounts from May 2017, plus a 10% monthly government top-up.
- Funds in digital accounts will expire after 24 months if not spent on approved apprenticeships.
- For non-levy paying employers, the government will pay 90% of apprenticeship training and assessment costs, while employers pay only 10%.
- Levy paying employers who do not have sufficient funds in their digital account at any point will also be eligible for the 90% government funding.

Additional incentives

- Extra payments of £1,000 will be made to both employer and provider for 16-18 year olds and 19-24 year olds formerly in care or with an education, health and care plan.
- The government will also pay 100% of apprenticeship training costs for small businesses (with fewer than 50 employees) who take on apprentices aged 16-18 years old or 19-24 year olds formerly in care or with an education, health and care plan.

[Apprenticeship funding: how it will work](#)

[Apprenticeship reforms and key information for employers](#)

If it is all too confusing, we can help.

Get in touch with our dedicated apprenticeships team to find out how we can help you to develop your talented employees and grow their contribution to your organisation's success.

T: 01642 384068

E: theforge@tees.ac.uk



Degree apprenticeships in science, engineering and design

Apprentice study modes

Typically, apprentices study part-time on a day released basis. Some programmes may include elements delivered using distance learning, blended learning and/or block-mode teaching methodologies. All programmes include work-based elements.

Undergraduate programmes

Subject to University approval, the full fee for undergraduate degree apprenticeship programmes starting in September 2017 is £27,000. If previously awarded credits are transferred into the degree apprenticeship then the fees will be calculated on a pro-rata basis.

Higher / Degree Apprenticeship	Associated Teesside University qualification(s)	Duration Years	Enrolment Month/ from Year
Laboratory Scientist	BSc (Hons) Biological Sciences	5	Sep / 2017
Laboratory Scientist	BSc (Hons) Chemistry	5	Sep / 2018
Laboratory Scientist	BSc (Hons) Forensic Science	5	Sep / 2018
Health Science Practitioner	BSc (Hons) Biomedical Science	5	Sep / 2017
Embedded Electronic Systems Design and Development Engineer	HNC Electrical and Electronic Engineering by Flexible Open Learning + BEng (Hons) Electrical and Electronic Engineering	2 + 4*	Sep / 2017
Embedded Electronic Systems Design and Development Engineer	BEng (Hons) Electrical and Electronic Engineering	5*	Sep / 2018
Manufacturing Engineer	HND Mechanical Engineering by Flexible Open Learning + BEng (Hons) Mechanical Engineering	3 + 4**	Sep / 2017
Product Design and Development Engineer	HND Mechanical Engineering by Flexible Open Learning + BEng (Hons) Mechanical Engineering	3 + 4**	Sep / 2017
Control / Technical Support Engineer	HND Instrumentation and Control Engineering by Flexible Open Learning + BEng (Hons) Instrumentation and Control Engineering	3 + 4**	Sep / 2017
Electrical / Electronic Support Engineer	HND Electrical and Electronic Engineering by Flexible Open Learning + BEng (Hons) Electrical and Electronic Engineering	3 + 4**	Sep / 2017

Power Engineer Integrated Degree Apprenticeship	HNC Electrical and Electronic Engineering by Flexible Open Learning + MEng (Hons) Electrical and Electronic Engineering	2 + 6***	Sep / 2018
Power Engineer Integrated Degree Apprenticeship	MEng (Hons) Electrical and Electronic Engineering	7***	Sep / 2018
Power Engineer Integrated Degree Apprenticeship	HNC Instrumentation and Control Engineering by Flexible Open Learning + MEng (Hons) Instrumentation and Control Engineering	2 + 6***	Sep / 2018
Power Engineer Integrated Degree Apprenticeship	MEng (Hons) Instrumentation and Control Engineering	7***	Sep / 2018
Aerospace Engineer	BEng (Hons) Aerospace Engineering	5*	Sep / 2018

*4 years if an apprentice is already qualified to at least HNC level, or equivalent, and is eligible for admission with advanced standing directly into year 2 of the BEng (Hons) degree

**4 years if an apprentice is qualified to HND level and is eligible for admission with advanced standing directly into year 2 of the BEng (Hons) degree. Apprentices already qualified to HNC level could complete the HND in 2 years instead of 3.

***6 years if an apprentice is qualified to HNC or HND level and is eligible for admission with advanced standing directly into year 2 of the MEng (Hons) degree

Postgraduate programmes

Degree apprenticeship	Associated Teesside University qualification(s)	Duration (in years)	Enrolment Month/ from Year
Postgraduate engineer	PgDip Electrical Power and Energy Systems	2	Sep / 2018
Postgraduate engineer	PgDip Food Processing Engineering	2	Sep / 2018
Postgraduate engineer	PgDip Instrumentation and Control Engineering	2	Sep / 2018
Postgraduate engineer	PgDip Mechanical Engineering	2	Sep / 2018
Postgraduate engineer	PgDip Oil and Gas Management	2	Sep / 2018
Postgraduate engineer	PgDip Petroleum Engineering	2	Sep / 2018
Postgraduate engineer	PgDip Project Management	2	Sep / 2018

Apprentice selection and funding options

The following examples illustrate some of the options available to employers and the cost-benefits of each option.

For the purpose of this illustration we have used, as an example, a degree apprenticeship programme that leads to a single Level 6 undergraduate University qualification. This could be a BSc (Hons) or a BEng (Hons) degree.

Example 1: You fund the full degree apprenticeship programme

1. You recruit a school or college leaver as a new apprentice, or support an existing employee on the degree apprenticeship. The apprentice will have the appropriate academic profile that meets the entry requirements for the BSc (Hons) or BEng (Hons) degree programme.
2. The cost of the full degree apprenticeship is £27,000 and is fully funded by the levy fund or via the 90% government contribution and 10% employer funded scheme. Payment is spread over the duration of the degree apprenticeship.

Example 2: You fund part of the degree apprenticeship (33.3% saving)

This scheme reduces the overall degree apprenticeship cost to you and provides you with an apprentice who has already demonstrated their capabilities by completing the first year of a University degree.

1. We advertise your apprenticeship position to our full- and part-time students who are completing Year 1 of their BSc (Hons) or BEng (Hons) degree, and you select an appropriate candidate.
2. The first-year degree fees of the apprentice's studies will have been funded by alternative means (Student Loans Company or student self-finance).
3. From the second year of their studies, the apprentice will convert from full- to part-time study, and will be funded through the funding mechanisms for degree apprenticeships.
4. In this example, the full degree apprenticeship cost is reduced from £27,000 to £18,000 and is funded in full by the levy fund or via the 90% government contribution and 10% employer funded scheme. The apprentice will require only four years to complete the degree apprenticeship.

Example 3: You fund part of the degree apprenticeship (50% saving)

Some degree apprenticeships require the apprentice to complete a HND and a BEng (Hons) degree. This scheme not only reduces the overall degree apprenticeship cost to you, but it also helps you select an apprentice who has demonstrated their capabilities by completing a relevant HND qualification.

1. We advertise your apprenticeship position to our full- and part-time students nearing completion of their HND and you select an appropriate candidate.
2. The HND fees will have been funded by the Student Loans Company or student self-finance.

3. The apprentice will be admitted with advanced standing to Year 2 of an accredited BEng (Hons), converting to part-time study on a degree apprenticeship, and funded through the funding mechanisms for degree apprenticeships.
4. In this example, the cost of the degree apprenticeship programme is reduced from £27,000 to £13,500 and is funded in full by the levy fund or via the 90% government contribution and 10% employer funded scheme. The apprentice will require only four years to complete the degree apprenticeship.

Additional benefits

- Your organisation's logo is featured on the University web pages related to degree apprenticeships, and included in relevant marketing materials.
- Your vacancies for new apprentices are promoted to students on our University courses as well as students at our partner sixth-form schools and colleges, and colleges of further education.
- Your organisation is invited to higher and degree apprenticeship events organised by the University. These take place throughout each year and can include apprentice recruitment events, employer networking sessions and other events organised by the University's department of academic enterprise to help employers keep abreast of developments impacting on degree apprenticeships and funding opportunities.
- We help you identify high-calibre students for any year-long or short-term work placement schemes you run.
- We help you promote your graduate job opportunities to our final-year degree and postgraduate students.

To join our no obligation and free Advanced Entry Degree Apprenticeship (AdEDA) scheme, please complete the attached AdEDA membership registration form and return it by post or email.





Find out more
01642 738800
stem-apprenticeships@tees.ac.uk

**Advanced entry degree apprenticeship (AdEDA)
membership registration form**

For your no obligation, free membership please complete this form and return to the address below or email to stem-apprenticeships@tees.ac.uk.

Degree apprenticeships office
School of Science & Engineering
Teesside University
Middlesbrough
Tees Valley
TS1 3BX

Don't forget to send your logo in JPG format.

Company/organisation name:	
Registered company name (if different from above):	
Company/organisation contact details: <i>(please enter the name, telephone number and email address of the person who will be key contact)</i>	
Is your company/organisation paying the apprenticeship levy?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Number of employees: <i>(specify if at a regional site or global)</i>	
Please include my company/organisation in the AdEDA scheme	Signature: Full name and official job title: Date:

All personal information processed by the University is done so in accordance with the requirements and safeguards of the Data Protection Act 1998 and the University's registration with the Information Commissioner. If you have any queries or concerns relating to the processing of personal information, please contact the University's Legal Services team on 01642 342563 or email dpa@tees.ac.uk

Please select all the degree standards relevant to your company / organisation. All start from September 2017, unless otherwise indicated.

APPRENTICESHIP STANDARD	LINKED UNIVERSITY QUALIFICATION(S)	
Applied Sciences - undergraduate		
Laboratory Scientist	BSc (Hons) Biological Sciences	<input type="checkbox"/>
Laboratory Scientist	BSc (Hons) Chemistry*	<input type="checkbox"/>
Laboratory Scientist	BSc (Hons) Forensic Science*	<input type="checkbox"/>
Laboratory Scientist	BSc (Hons) Pharmaceutical Science*	<input type="checkbox"/>
Health Science Practitioner	BSc (Hons) Biomedical Science	<input type="checkbox"/>
Engineering - undergraduate		
Aerospace Engineer	BEng (Hons) Aerospace Engineering*	<input type="checkbox"/>
Embedded Electronic Systems Design and Development Engineer	BEng (Hons) Electrical and Electronic Engineering	<input type="checkbox"/>
Power Engineer Integrated Degree Apprenticeship	MEng (Hons) Electrical and Electronic Engineering	<input type="checkbox"/>
Power Engineer Integrated Degree Apprenticeship	MEng (Hons) Instrumentation and Control Engineering	<input type="checkbox"/>
Manufacturing Engineer	HND Mechanical Engineering by Flexible Open Learning + BEng (Hons) Mechanical Engineering	<input type="checkbox"/>
Product Design and Development Engineer	HND Mechanical Engineering by Flexible Open Learning + BEng (Hons) Mechanical Engineering	<input type="checkbox"/>
Control / Technical Support Engineer	HND Instrumentation and Control Engineering by Flexible Open Learning + BEng (Hons) Instrumentation and Control Engineering	<input type="checkbox"/>
Engineering - postgraduate		
Post graduate engineer	PgDip Electrical Power and Energy Systems*	<input type="checkbox"/>
Post graduate engineer	PgDip Instrumentation and Control Engineering*	<input type="checkbox"/>
Post graduate engineer	PgDip Mechanical Engineering*	<input type="checkbox"/>
Post graduate engineer	PgDip Petroleum Engineering*	<input type="checkbox"/>
Post graduate engineer	PgDip Project Management*	<input type="checkbox"/>
Post graduate engineer	PgDip Oil and Gas Management*	<input type="checkbox"/>
Post graduate engineer	PgDip Food Processing Engineering*	<input type="checkbox"/>

*The first degree apprenticeship intake is planned for September 2018.