5 Facts and figures

Making the right choice of university and course now can help you enjoy your student years and enhance your career prospects. Teesside University is an award winning university with excellent student feedback:

- Ranked **23rd in the UK and number one in the North East** for **teaching excellence** (Sunday Times Good University Guide 2017).
- In the **top 10% of world universities** (THE World University Rankings 2016-17).
- **Our students love us:** 88% of our students would recommend Teesside University to others (National Student Survey 2016).
- **Cutting-edge campus -** over £270m invested in our campus with leading edge digital innovation, top-notch science and engineering facilities, and fantastic sport facilities.
- **Excellent learning resources** (including our library and IT provision) which are ranked in the top 30 of English universities, and with a 90% satisfaction rating (National Student Survey 2016).
- We **enhance your employability** and emphasise professionalism through work placements, volunteering, live projects and accredited courses. Our graduates are working all over the world for companies such as Aston Martin, Cummins, BAE Systems, Johnson Matthey, HSBC, Jacobs, United States Air Force Research Lab, Vodafone, BP, the NHS, Rolls-Royce, Raleigh UK, Adele Foods, Computer Forensics Alliance, Police Service and many more.
- Through our **on-campus business support**, our graduates have launched more than 430 new businesses, creating 600+ jobs.
- **Fantastic facilities and student support services:**
  A first-class library – our Library combines library services with IT. Alongside a third of a million volumes of printed material, we have 1,300 study places and 400 open access networked stations with multimedia capability and DVD players.

But also,

- Teesside has very **affordable accommodation** right here on campus or just a short walk away – with free internet access

and

- **Tees Valley** is one of the country's best kept secrets. We've got top surf, a national park on our doorstep, plus unique shopping and culture, bars and famous clubs.

For information and further details please visit: www.tees.ac.uk/sections/fulltime/teesside.cfm

Facts and figures

In the **School of Science & Engineering** you will receive much more than just an education … our mission is:

- ✓ To prepare the best **employment-ready science and engineering graduates**. ALL our degree programmes incorporate employability enhancing modules in each year of study. In addition to subject relevant technical subjects, our students also develop complementary skills which are very important to employers. These include communication skills, team working skills, research skills, interpersonal skills, project planning abilities, management and leadership skills.

- ✓ **To be student-focussed.** Depending on your course and modules selected, tutorial and laboratory group sizes are typically around 20 or less, but some classes taught in lecture theatres can have significantly higher numbers.

- ✓ To deliver courses which are **professionally accredited or recognised by the relevant professional bodies –** please check our course web pages for more information on course accreditation.

- ✓ To deliver **research informed teaching**. Engineering research by staff in the School of Science & Engineering has reached new heights with the latest national Research Excellence Framework (REF 2014) rating 90% of our research as world-leading and internationally excellent in terms of impact.

- ✓ To support our graduates in securing employment. Across all courses in the school, an average of about 9 out of 10 graduates are in work or further study within six months from completing their course. Some of our courses achieve **100% of graduates in work or/and further study within six months of graduating** (source Destination of Leavers from Higher Education 2010/11, 2011/12, 2012/13, 2013/14 and 2014/15 surveys).

- ✓ To provide our students with a multicultural and enriching environment in which to study. The School of Science & Engineering has an **excellent international reputation.** With around 15% of our students from overseas, many funded by their employers or governments to study specifically at Teesside, you will have many opportunities to make new friends, experience working with different cultures, and to network with students from all over the world - an essential asset in a global economic environment. Our international students come from a diverse range of countries from all over the world.

- ✓ To provide our students with **real-world scientific and engineering problem solving competence** by investing in the latest state-of-the-art laboratories and equipment in which they can learn and develop their practical skills. The recent £6m project has seen a major refurbishment of science and engineering laboratories, together with the latest industry standard equipment installed to provide an immersive learning experience.

- ✓ To support our students in finding a work placement. We employ a **member of staff who is dedicated to assisting our students in finding an appropriate employer for their placement year**, and provides each student with individual support throughout the application process and during their placement period. The placement year embedded in our 'with Industry' and 'with Professional Experience' degrees adds great value to students and employers, so is well worth considering.

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- ✓ To offer our students the opportunity to choose the type of degree that suits them and their career aspirations, with the **flexibility to transfer from one degree route to another** if their plans change. We offer 3-year full time bachelor's degrees (BEng and BSc), 4-year full time integrated master's degrees (MEng and MSci), and **degrees with a year in Industry or a year with Professional Experience** leading to either a BEng, BSc, MEng or MSci. Normally students can, subject to meeting eligibility criteria, move between a Bachelor's degrees and integrated Master's degrees, or between a normal degree and one with industry or professional experience, at any time within the first two years of their programme.

- ✓ To remain a **leading engineering and technology graduate provider in the UK, developing graduates with the knowledge and skills that meet the needs of industry and employers**. Sir Andrew Witty's review of universities and growth, titled *Encouraging a British Invention Revolution* (published 15 October 2013), highlights the strength of the UK research base and the vital contribution that UK universities make to economic growth. In this report **Teesside University is identified as one of the top ten universities in terms of the number of engineering and technology graduates it provides,** and our numbers have continued to grow**.** Teesside University has a strong pedigree in engineering and technology provision, with roots dating back to 1927!

- ✓ To **support our students in every way we can**, from the point of application through to their graduation and beyond. At any point after your application and up to the first two weeks of term you can swap one course for another as long as you meet the entry criteria for the new course you have chosen and it is offered in the School of Science & Engineering. Just let us know as soon as you can so that we can process the transfer. Also, if you have chosen Teesside University as your firm choice then, in the event that you do not meet the grades for entry on your chosen course, we will automatically try to find you a place on a closely related course for which you did meet the entry criteria. And if you achieved much higher grades than you had anticipated and wish to upgrade your degree, for example from a bachelor's degree to an integrated master's degree, again, all you have to do is ask. As long as you meet the academic eligibility criteria, we will help you through the change of route process.

- ✓ To **encourage scholarship and to provide financial support to students** by offering generous university awards and fee waivers to eligible students. These are offered to all eligible students on a non-competitive basis (there is no application required, all eligible students receive these). Plus there are a limited number of scholarships offered on a competitive basis worth up to £5,000. To check your eligibility for university scholarships and awards please visit our web pages and follow the links through to Fees and Funding.

And here are some quotes from professionals and employers:

"...we interviewed nearly 30 people for this position and the two Teesside University graduates stood out head and shoulders above everyone else. I think they are a credit to your course. We will certainly look out for your students when we recruit again next year."
Simon Janes, Operations Director, Computer Forensic Alliance

"We have taken engineering placement students from Teesside University since 1992. They arrive with excellent understanding of the fundamentals of engineering, ready to join our 6,000 global staff."
Les Orange, Associate, Scott Wilson

"We have recently started to take Teesside University engineering students on placement and expect to do so for the foreseeable future. The students are always welcome because they come with well-developed relevant skills and can immediately start to make a valuable contribution. They work on a range of building and civil engineering commissions, from planning to detailed design, covering major site development."
Kathryn Mills, Human Resources Officer, Wardell Armstrong LLP

"Cummins' experience of the quality of undergraduates from Teesside University has been very positive. The students' high level of competency and confidence has meant they have been able to contribute to our business from day one of their placement. They have provided invaluable support to the development programme for next generation of low emission exhaust after-treatment systems."
Dave Elsey, MSCR Reliability Leader, Cummins Emission Solutions

'... Solatron ISA has enjoyed a close working relationship with the University since the mid-1980s. The University's commitment to providing high quality professionally accredited engineering degree courses means Solatron ISA has found in the University the ideal educational provider for its training and recruitment needs.'
Steve Clark, Engineering Director, Solatron ISA.

'... As one of the larger Teesside employers we're delighted with the support and encouragement we receive from the School of Science & Engineering. From helping us with specific and at times complex projects, to assisting students in securing placements, our association with the School has been, and will continue to be, a mutually beneficial partnership experience.'
Jeremy Faulkner, Managing Director, SK Chilled Foods.

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And here are some quotes from our students and graduates:

Andrew Colling
MEng (Hons)
Mechanical Engineering

'Teesside University has a great reputation for engineering and I am really impressed with the facilities and staff. Practical activities such as the Group Design & Build Project gave me an insight of what it would be like working for an engineering company, applying academic theory to real-problem solving. The campus is student-friendly, and there is accommodation close to the campus. I am utterly enjoying my course and would recommend coming to Teesside to anyone who is thinking of studying engineering.'

Carla Winter
BSc (Hons) Forensic Biology

'I have always wanted to work in forensics. I chose to study at Teesside University because of the course's excellent academic opportunities. After graduating I joined LGC Forensics as a DNA analyst. The degree gave me the skills and knowledge I needed for the interview and my day-to-day duties. I've found the practical skills I learned in the Crime to Court and Forensic Biology modules particularly beneficial'

Ben Hitchinson
BSc (Hons) Biological Sciences

'Teesside's biological sciences degree really jumped out at me. Coming along to the open day was the deciding factor. The biology facilities are impressive - the cancer research and applied technology labs include some really hi-tech equipment that, as an undergraduate, you wouldn't necessarily expect to have access to. I can honestly say that the help I received was outstanding'

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Maria Prapa
BSc (Hons) Food, Nutrition and Health Science (new title: BSc (Hons) Food and Nutrition)

'My course was very well organised. My tutors were very friendly and willing to help at any time. I met many great people from different backgrounds with who I am still in contact. The library is brilliant for studying, working on assignments and meetings; I spent a lot of my time there. I joined two societies – Interlink and Chefs of the world. The student night life in Middlesbrough is fun – always busy and a lot of choices.

Now I'm working as a food technologist in Jamie Oliver's Food Team. Part of my role is making sure that all food served under the Jamie Oliver brand (restaurants, events etc) complies with the ethos and standards set by the company. My job combines office work with travelling and liaison with different people on daily basis which makes it always interesting and really fun.'

Paul Metcalfe
BEng (Hons) Mechanical Engineering

I came to Teesside University because it's the local university and has close ties with Darlington College, where I studied. I considered other universities, but Teesside's reputation in engineering was the decider. Unlike many other institutions, Teesside bases its study more on real life.

The best part of the course was the people I studied with – we all looked out for one another, and worked hard to help each another through the difficult times.

After I graduated I joined Cummins Engines as a design engineer. Without my degree I wouldn't have even been offered an interview.

Patrick Pisani
BEng (Hons) Instrumentation and Control Engineering

I now work as an electrical control and instrumentation engineer with GDF Suez, Teesside Power Station. I can honestly say that the skills developed from the degree have definitely assisted me within my role. My role involves being responsible for the effective, safe leadership of all EC&I aspects of the projects and affairs of Asset Management. I am also responsible for all associated planning and management of both day-to-day and longer term activities and initiatives, as well as providing advice and support to other members of the team within a field of expertise.

I have found the course and overall facilities excellent. Teesside is well known as a town full of engineering activities, so I find myself fortunate to have a highly regarded University where I could study engineering.

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Charmaine Bale
BSc (Hons) Applied Science and Forensics, class of 2002
(current degree title is BSc (Hons) Forensic Science)

I have been working with Gwent Police since 2004 within the CSI department.

My degree course content has been extremely useful in my role – from helping officers with drink-drive paperwork and calculations to post-mortem duties. When I first started in my role, I found information from my crime scene investigation module helped me with the practical tasks, such as lifting fingerprints, photography and examining basic crime scenes, allowing me to concentrate on other force procedures.

Within my current role in crime scene investigation, I would like to aim for a management role, becoming proficient in all areas of scene examination. I'd also like to move into a teaching position as I really enjoyed the mentoring and ambassador roles I held at the University.

I loved Teesside. It was away from home, but the accommodation was cheap compared to other areas and the course I chose was very good. The Students' Union provided brilliant entertainment and I enjoyed the clubs and societies. I loved the campus – within a town and yet slightly separate from it.

Full-time Undergraduate Courses: September 2017 entry

Engineering

Undergraduate 3-year full time BEng or 4-year full time MEng courses
Each title is also available 'with Industry' which adds a further year to the duration of study

- Aerospace Engineering — BEng (Hons) / MEng(Hons)
- Chemical Engineering — BEng (Hons) / MEng (Hons)
- Civil Engineering — BEng (Hons) / MEng (Hons)
- Civil Engineering with Disaster Management — BEng (Hons)
- Electrical and Electronic Engineering — BEng (Hons) / MEng (Hons)
- Instrumentation and Control Engineering — BEng (Hons) / MEng (Hons)
- Mechanical Engineering — BEng (Hons) / MEng (Hons)

Undergraduate 1-year full time top-up degree courses (entry requirements: HND, Fd, Diploma in Higher Education, or equivalent)

- Aeronautical Engineering — BEng Tech (Hons) [one year top up]
- Civil Engineering — BEng Tech (Hons) [one year top up]
- Civil Engineering with Disaster Management — BEng Tech (Hons) [one year top up]
- Electrical and Electronic Engineering — BEng Tech (Hons) [one year top up]
- Mechanical Engineering — BEng Tech (Hons) [one year top up]
- Petroleum and Gas Engineering — BEng Tech (Hons) [one year top up]

Undergraduate (Extended): 4-years full time, including the integrated foundation year
Each title is also available 'with Industry' which adds a further year to the duration of study

- Aerospace Engineering (Extended) — BEng (Hons)
- Chemical Engineering (Extended) — BEng (Hons)
- Civil Engineering (Extended) — BEng (Hons)
- Electrical and Electronic Engineering (Extended) — BEng (Hons)
- Instrumentation and Control Engineering (Extended) — BEng (Hons)
- Mechanical Engineering (Extended) — BEng (Hons)

Sub-degree courses (delivery at Teesside University main campus unless otherwise indicated)

- Aeronautical Engineering HND (Delivered at Hartlepool College of Further Education)
- Engineering HNC

Science & Environment

Undergraduate 3-year full time courses
Each title is also available 'with Professional Experience' which adds a further year to the duration of study

- Biological Sciences BSc (Hons)
- Biomedical Science BSc (Hons)
- Chemistry BSc (Hons)
- Environmental Science BSc (Hons)
- Food and Nutrition BSc (Hons)
- Food Science and Engineering BSc (Hons)
- Human Biology BSc (Hons)

Undergraduate (Extended): 4-years full time, including the integrated foundation year
Each title is also available 'with Professional Experience' which adds a further year to the duration of study

- Biological Sciences (Extended) BSc (Hons)
- Biomedical Science (Extended) BSc (Hons)
- Chemistry (Extended) BSc (Hons)
- Environmental Science (Extended) BSc (Hons)
- Food and Nutrition (Extended) BSc (Hons)
- Food Science and Engineering (Extended) BSc (Hons)
- Human Biology (Extended) BSc (Hons)

Crime Scene and Forensic Science

Undergraduate 3-years full time BSc courses and 4-years full time MSci courses
Each title is also available 'with Professional Experience' which adds a further year to the duration of study

- Computer and Digital Forensics BSc (Hons)
- Crime Scene Science BSc (Hons)
- Forensic Biology BSc (Hons)
- Forensic Science BSc (Hons)
- Forensic and Investigative Sciences MSci (Hons)

Undergraduate (Extended): 4-years full time, including the integrated foundation year
Each title is also available 'with Professional Experience' which adds a further year to the duration of study

- Computer and Digital Forensics (Extended) BSc (Hons)
- Crime Scene Science (Extended) BSc (Hons)
- Forensic Science (Extended) BSc (Hons)

Need a foundation year?

Some students will need to join an extended route if their qualifications do not meet the entry requirements for their chosen degree programme. Extended routes are four years full time study (five years with a work placement) with the first year serving as a foundation year to prepare students in the mathematics and sciences needed for their chosen field of study. If you join an extended route you can either remain on the same degree route all the way to your graduation, or you can apply to transfer onto another degree programme after successfully completing your foundation year on an extended route. For example:

Degree title you are aiming for and which does not have a named extended route	**Suggested extended degree route with a transfer** to the desired title at the end of the foundation year**
Civil Engineering with Disaster Management	Civil Engineering (Extended)
Forensic Biology	Forensic Science (Extended)
Forensic and Investigative Sciences	Forensic Science (Extended)

The foundation year is part of the degree route – it is not a separate foundation year that you find in some other institutions – and it offers the same funding opportunities as normal degree routes. But at Teesside University we go one step further and discount the fees for the first year of an extended route so that it is much more affordable. Full details are available on our web pages www.tees.ac.uk

*****Please ensure you seek advice from your source of funding if you plan to transfer courses