



Aimhigher...

www.gr8choice.org

Study South West

Engineering, Manufacturing and Technology Pathways



What could you do with a higher education qualification in engineering, manufacturing and technology?

- + You could develop alternative fuels ensuring that the environment is preserved for people as well as plants and animals.
- + You could design, develop and test motor vehicles and specialise in motor sport, electronics, alternative fuels, aerodynamics or safety.

Jobs with higher education qualifications:

- + Mining Engineer
- + Naval Architect
- + Automotive Engineer

Jobs with further education qualifications:

- + Electrician
- + Machine Tool Setter
- + Mechanic

To find out more about these and other careers in engineering, manufacturing and technology visit these websites:


www.cogent-careers.com

www.engineuity.org.uk/

www.connexions-direct.com/jobs4u




Will a career in engineering, manufacturing and technology suit you?



It will help if you:

- + are creative yet practical
- + pay close attention to detail
- + are not afraid of change and enjoy developing and trying new things

Make sure you think about these practical things too




- + Technology is always moving on, so Engineers often change or widen their speciality during their careers, as well as their job roles. You will always be learning and adapting.
- + Whatever route into engineering you choose, employers look for some work experience to prove you've got what it takes. Apprentices make up a significant number of the people who go into engineering. Apprenticeships give people the opportunity to get the skills they need through practical experience.
- + Engineers need to be good at mathematics as it can be fundamental to a number of different areas of engineering.

Remember, when you are thinking about your career and your future, higher education qualifications give you more options

There are many benefits to having a higher education qualification including:

- + The chance to find a job you really love.
- + The skills you need to get promoted and progress in your chosen career.
- + The opportunity to earn more money.
- + More choice, now and in the future. You may be happy to do one job when you are young but it may not suit you when you get older. HE qualifications can save you from getting stuck in a rut.

Find out more about the benefits of HE at www.gr8choice.org and www.learnandwork.org



What is happening in the engineering, manufacturing and technology sectors?



- + The Diploma in Engineering is a new qualification aimed at young people aged between 14 and 19 years. Find out more at www.direct.gov.uk/diplomas
- + The Diploma in Manufacturing and Product Design is a new qualification aimed at young people aged between 14 and 19 years. Find out more at www.direct.gov.uk/diplomas
- + Seventeen percent of the engineering workforce in the South West is female and 15 percent of engineering higher education students are female.

- + The renewable energy division of the engineering industry is rapidly expanding; it grows by 20 percent each year.
- + Professional engineers can expect to earn more than £10,000 per year over and above the national average salary.

Due to the economic climate, this type of information is always changing. Find out the latest at:

www.focusoncareers.org.uk

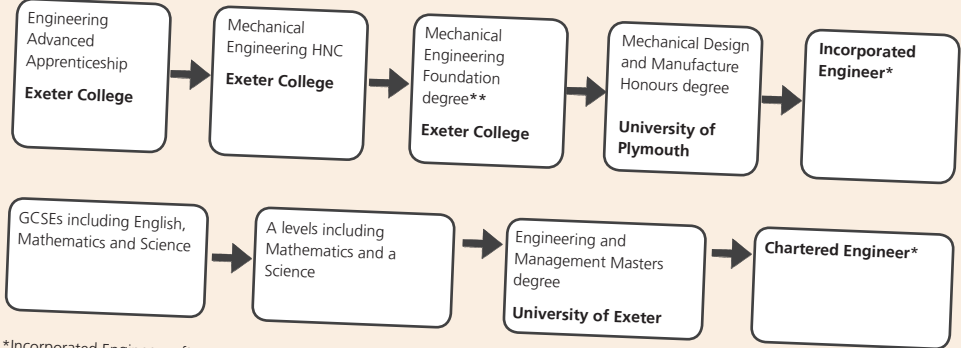
www.semta.co.uk

www.scenta.co.uk



Your pathway in engineering, manufacturing and technology

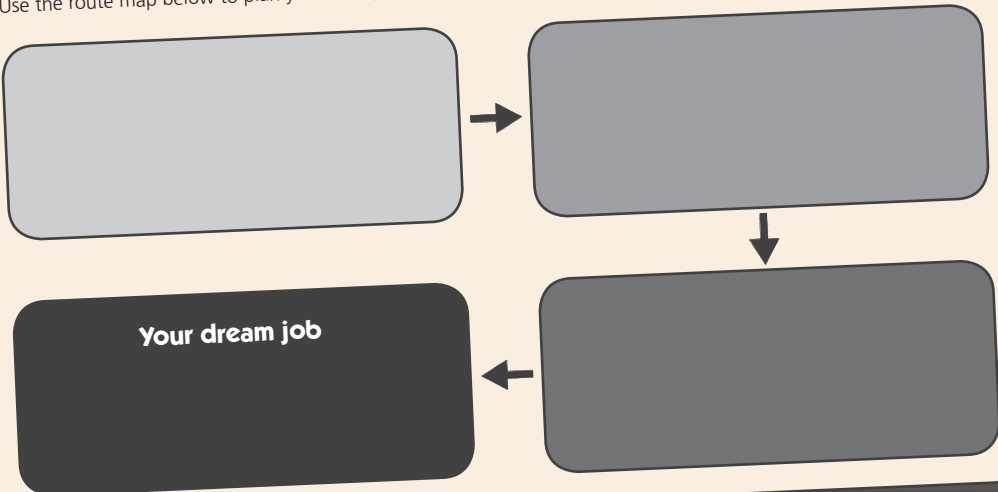
Here are some examples of pathways you could take to a career in engineering, manufacturing and technology in the South West.



*Incorporated Engineers often work alongside Chartered Engineers on technological innovation, but their work is usually more hands-on.
**awarded by University of Plymouth

Your pathway

Use the route map below to plan your own pathway in engineering, manufacturing and technology.



More information

No matter what stage you are at there are plenty of local engineering, manufacturing and technology courses to choose from. Here are some of the local universities and colleges that offer higher education courses. Contact them directly to find out more.

Bridgwater College

www.bridgwater.ac.uk
enquiries@bridgwater.ac.uk
01278 441234

City College Plymouth

www.cityplym.ac.uk
reception@cityplym.ac.uk
01752 305300

Cornwall College

www.cornwall.ac.uk
uni@cornwall.ac.uk
01209 616161

Exeter College

www.exe-coll.ac.uk
info4u@exe-coll.ac.uk
0845 111 6000

North Devon College

www.ndevon.ac.uk
postbox@ndevon.ac.uk
01271 345291

The Open University

www.open.ac.uk
south-west@open.ac.uk
0845 300 6090

Somerset College of Arts and Technology

www.somerset.ac.uk
enquiries@somerset.ac.uk
01823 366331

Strode College

www.strode-college.ac.uk
university@strode-college.ac.uk
01458 844444

University Centre Yeovil

www.ucy.ac.uk
ucy@yeovil.ac.uk
01935 845454

University of Exeter Exeter Campus

www.exeter.ac.uk
admissions@exeter.ac.uk
01392 263035

Cornwall Campus

www.exeter.ac.uk/cornwall
ugadmissions-cornwall@exeter.ac.uk
01326 371801

University of Plymouth

www.plymouth.ac.uk
prospectus@plymouth.ac.uk
01752 585858



More local further education courses

Local schools, colleges and private training providers also offer further education courses in engineering, manufacturing and technology. To search for more courses visit www.direct.gov.uk/14-19prospectus

More higher education courses

To see engineering, manufacturing and technology higher education courses available across the UK visit wwwucas.com

There are three professional qualifications for engineers recognised by the Engineering Council UK (ECUK). These are Chartered Engineer (CEng), Incorporated Engineer (IEng) and Engineering Technician (EngTech). Some higher education courses are accredited meaning that once you have completed the course, you will automatically meet the requirements to become professionally registered. If your course isn't accredited, another common route to professional registration is through a graduate training programme.

Study South West is funded by the Aimhigher Peninsula Programme. For more information on these leaflets and other Aimhigher resources please email x.a.nikakis@exeter.ac.uk or phone 01392 262526.