



Aimhigher...

www.gr8choice.org

Study South West

Mathematics and Science Pathways



What could you do with a higher education qualification in mathematics and science?

- + You could work for an insurance company or bank as an Actuary calculating risk and working out how much to charge for insurance policies.
- + You could become a Geneticist and help diagnose, prevent and treat genetic disorders like Cystic Fibrosis and Down's Syndrome.

Jobs with higher education qualifications:

- + Chemist
- + Chartered Accountant
- + Meteorologist

Jobs with further education qualifications:

- + Laboratory Assistant
- + Payroll Clerk
- + Bank Customer Service Adviser

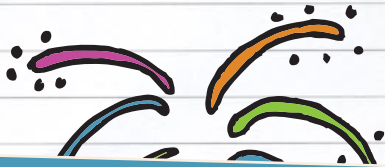
To find out more about these and other careers in mathematics and science visit these websites:

www.cogent-careers.com

www.connexions-direct.com/jobs4u



Will a career in science or mathematics suit you?



It will help if you:

- + have a methodical and accurate approach to your work
- + are good at problem solving

- + enjoy researching and analysing things

Make sure you think about these practical things too

- + The majority of people working in mathematics and science are professionals which makes a higher education qualification in these industries even more important.
- + Most professionals working in science specialise in a particular field such as astronomy or marine biology. Science crosses many career sectors and there are hundreds of careers to choose from. If you are interested in a science pathway, look at these other pathways leaflets too:
 - Animal Science and Environmental Conservation
 - Agriculture and Horticulture
 - Engineering, Manufacturing and Technology
 - Health and Social Care

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 mathematics and science sectors?



- + The Diploma in Science is a new qualification that will start from September 2011. Find out more at www.direct.gov.uk/diplomas
- + 67 percent of Advanced Apprentices studying Accountancy progress on to higher education.
- + The science sector is a major growth industry in the South West.
- + The Met Office in Exeter is a large employer of mathematics and science graduates who work as weather forecasters, physical scientists and research scientist.

- + 'Golden Hellos' are a one-off payment for newly qualified teachers who go on to teach subjects where there are currently shortages. Currently, if you complete a postgraduate initial teacher training course and go on to a permanent job teaching in either mathematics or science you will receive a Golden Hello of £5,000.
- + There is a national skills shortage of food technologists.

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

www.focusoncareers.org.uk

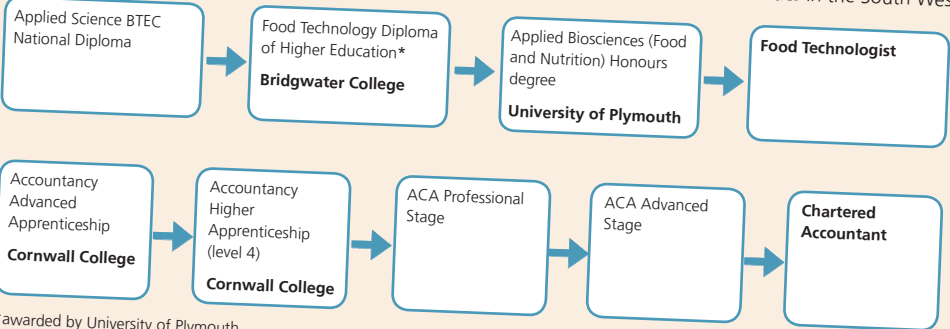
www.scenta.co.uk

www.semta.co.uk



Your pathway in mathematics and science

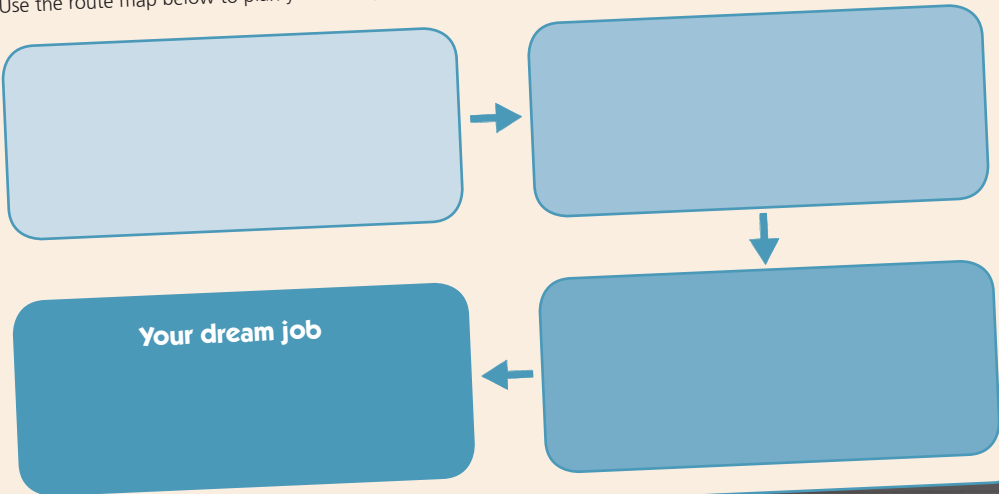
Here are some examples of the pathway you could take to a career in science or mathematics in the South West.



*awarded by University of Plymouth

Your pathway

Use the route map below to plan your own pathway in mathematics and science.



More information

No matter what stage you are at there are plenty of local mathematics and science 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

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

South Devon College

www.southdevon.ac.uk
enquiries@southdevon.ac.uk
Freephone 08000 380123

Truro and Penwith College

www.truropenwith.ac.uk
heinfo@truro-penwith.ac.uk
01872 267122

UCP Marjon (*University College Plymouth St Mark & St John*)

www.marjon.ac.uk
admissions@marjon.ac.uk
01752 636 700

University of Exeter

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 585 858



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Study South West

More local further education courses

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

More higher education courses

To see mathematics and science higher education courses available across the UK visit www.ucas.com

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.