

everybody
wants to save
the world

now you can

quantity surveying
be part of the team that has the answers

climate change • transport • power • water
maths • english • science • geography • ict • law

What to do next?

By studying civil engineering quantity surveying, whatever route you take, you could be involved in the building of some of the world's megastructures. You'll be an essential part of the construction team working out how much projects cost, what's needed to build them, manage the timing and make sure everyone works together.

If you choose to stay at school and do **GCSEs**, maths, English, science, law and ICT are just some of the subjects that will help you in a career in quantity surveying.

Another option is the **Construction and Built Environment Diploma** where classroom learning and practical work experience combine to help you learn about the whole construction process.

Apprenticeships are available to over 16s who want to earn money while they learn quantity surveying skills on the job.

To further your education at school or college, **foundation degrees, HND/HNC** and **A levels** will enable you to learn about quantity surveying areas whilst tackling other subjects too.

Many universities offer **degrees** in civil engineering quantity surveying and related topics such as commercial management, estimating and construction economics.

If you're unsure which route is best for you, talk to your careers adviser or ask the Chartered Institution of Civil Engineering Surveyors for help.



Designed by the ICES Network, early career members of the Chartered Institution of Civil Engineering Surveyors. For more information on careers in quantity surveying or to arrange a talk at your school or college, please call +44 (0)161 972 3100, visit www.cices.org or email careers@cices.org

Printed on recycled paper.

a specialist

as a quantity surveyor you can specialise in areas like estimating, contracts, project management and even construction law

doing something different

with a qualification in quantity surveying, you could be helping to design a bridge in the office one week, responsible for a multimillion pound budget the next and on site at a new football stadium the week after

part of a team

quantity surveyors work together with architects, civil engineers, land surveyors, structural engineers and builders as part of the whole construction team

the one with the answers

by working as a quantity surveyor in civil engineering, you'll be involved in the fight against climate change, constructing buildings, bridges and tunnels that can withstand natural disasters and helping to create green energy from wind farms and tidal power

travel

you'll be visiting projects all over the world making sure money is being spent on the right things at the right time

make a difference

quantity surveying professionals make a real difference to society, whether it's helping to install a well in a remote village or building the world's highest skyscraper — they study designs, work out how much things cost, make sure everyone plays their part and that they're all paid fairly

work on land and at sea

as well as working on land, quantity surveyors make sure sea structures such as oil rigs, pipelines and wind turbines are all built successfully

go above and below ground

quantity surveyors apply their skills to the world's major construction projects, from the biggest bridges to underground mines and tunnels

quantity surveying



that's a lot of windows

there are 24,348 windows in the world's tallest building, the 828m high Burj Khalifa in Dubai — it has 162 floors and can be seen from 60 miles away

that's a long time

the huge tunnel boring machines being used on the world's longest railway tunnel, the Gotthard Base Tunnel in Switzerland, cut through just 25m of rock each day (on a good day!) — meaning the 35.4 mile long tunnel won't open until 2017

that's a long way down

the Millau Viaduct road bridge in France is almost 2.5km long — what's more, at 343m high, it's taller than the Eiffel Tower

that's complicated

the Big Dig in Boston has been described as America's most complex road project ever — it involved turning a six lane motorway into a ten lane underground highway and took over ten years to construct

that's a lot of elephants

the Moses Mabhida Stadium in Durban, South Africa, has a viewing platform right at the top of an arch that rises 105m above the pitch and weighs over 2.6 million kilograms — that's more than 4,000 African elephants