FUTURE CITIES 2024 (VIRTUAL)

What will the cities of the future look like? Explore how civil engineers will help shape and develop our future cities to be cleaner, safer and more energy efficient places to live and work. From buildings, bridges, water and waste services, and transportation systems to heating and power, civil engineering is all around us. With emerging technologies such as self-driving and electric vehicles and urgent challenges such as the climate emergency, civil engineers will play a key role in developing smart and sustainable cities of the future. In this course you will find out how civil engineers design and build environmentally-friendly infrastructure and also manage and maintain existing infrastructure, ensuring its future sustainability. By completing this course, you will learn how you can contribute to the society of the future as a civil engineer. This course is for Year 12 England and Wales, S6 Scotland and Year 13 Northern Ireland.

From soaring skyscrapers to our vital water and waste services, civil engineering is the unseen force shaping our surroundings. Discover the environmental consciousness behind infrastructure development, where students not only learn from leading academics but also gain insights into managing public services and advancing future sustainability. Over three dynamic days, participants enhance their CVs and UCAS applications. Join us in promoting education and knowledge in the built environment, as we explore the interdisciplinary nature of design together.

'I really enjoyed the practical tasks. As it was an online course, I didn't expect to be doing any practical work so the bridge design and foundations challenges were really fun. It was great to learn the theory behind these activities before tackling them too.' **Future Cities Course Student 2022**

This event includes the following:

- Learn how energy can be generated whilst treating wastewater
- Develop a hydropower solution to generate electricity in an old mill
- Research techniques for reducing air pollution
- Investigate impacts of autonomous vehicles on daily life
- Explore concepts of structural stability and performance

WHEN

29 Jul - 31 Jul 2024
Start time: 09:30 hrs
Finish time: 16:00 hrs

WHERE

Virtual

COST

£110*

* If cost is a barrier please see our FAQ for more details.