



YRS 11 AND 12



DIGITAL RAILWAY ENGINEERING

29 July - 1 August 2019

UNIVERSITY OF BIRMINGHAM

4 days full board residential course

£195

The demand for rail transport is increasing with a new generation of railway engineers needed to meet tomorrow's challenges. These engineers will need a range of skills to deal with technology from traditional heavy engineering to cutting-edge digital technologies.

This course includes a series of lectures to give you a feel for what university life is like, covering a range of subjects including:

- The challenges the railways face and the advanced technology they increasingly use to make them safer, cleaner, more efficient, reliable, greener and cost-effective
- How trains protect their passengers in the event of a crash, why aerodynamics are so important for high speed trains, and why train control systems are so complicated and expensive
- How you could contribute to this growing industry as an apprentice or graduate engineer
- Work in a small team to tackle one of two design challenges to either design, build and test a scale-model crashworthy rail vehicle, or develop a next-generation train control system. Your design will need to meet a challenging specification based on real-world requirements, and you'll be competing with other teams to see who comes up with the best solution.
- Enhance your CV and make your UCAS application stand out.

TO FIND OUT MORE AND HOW TO BOOK:-

<https://www.smallpeicetrust.org.uk/courses/digital-railway-engineering>