MICRO COMPUTING (RESIDENTIAL)

Full for general male applications – only open for students with a sponsored code and female students.

Computer engineers combine computer science with electronic engineering to design computer systems and develop hardware and software. They design and create every element of a computer, from microprocessors to supercomputers. This residential course at Birmingham City University will develop your knowledge of electronics and engineering, as you work with other, like-minded young people to create a functional micro-mouse robot through circuit building, coding, soldering, and using open-source electronics platform Arduino. This course is for Year 12 in England and Wales, S6 in Scotland and Year 13 in Northern Ireland.

By taking part in hands-on team exercises and engaging workshops with leading academics from Birmingham City University, you will enhance your team building and problem-solving skills, as well as developing valuable experience using specialist programming software C++. All equipment and software will be provided by the university, and you will be trained on how to use these, which will be a key transferrable skill to add to your CV.

'I enjoyed being able to do something that I would not usually do, and I liked the friendly atmosphere and working together with people I don't know.' *Previous Course Student 2021*

This event includes the following:

- Insight into studying these subjects at university
- Develop an understanding of the different job roles within engineering
- You will be using specialist software when building the mouse
- Understanding the engineering behind a micro-mouse
- Opportunity to use Arduino for the computing element

WHEN

04 Jul - 06 Jul 2022
Start time: 10:00 hrs
Finish time: 16:30 hrs

WHERE

Birmingham City University

COST

£295*

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