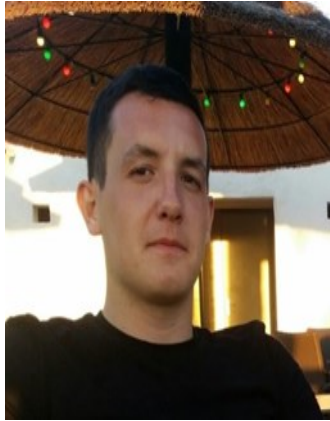


As part of National Apprenticeship Week, we would like to celebrate apprentices working on the North Manchester General Hospital (NMGH) scheme and have put together mini biographies to showcase their talents and achievements. We are proud to introduce you to Jack.



Name: Jack Dash

Course studying: BEng Building Services and Sustainable Engineering

As part of my role on North Manchester General Hospital, I have been assisting with both the Public Health design and CAD deliverables. This has ranged from early RIBA stage work, setting out space requirements for locating all of the plant equipment, looking into water utility services throughout the whole site at NMGH and complete MEP services design for buildings.

Since starting my apprenticeship at Arup, I have been working within the Public Health discipline designing hot and cold water systems, foul water drainage and rainwater drainage systems (above and below ground), fuel supply systems such as natural gas and oil, and fire suppression systems including sprinklers, foam and gaseous suppression. More recently, my focus has been towards renewable and sustainable designs – particularly in domestic hot water generation and distribution, as the UK moves towards becoming carbon neutral. I've also been working closely with the BIM (Building Information Modelling) team, to create fully coordinated 3D models of entire buildings and produce drawings, schedules and renders of projects. Collaborating with architectural and structural models allows us to create an entire project, packed full of data, in 3D using CAD Software.

The benefits of doing an apprenticeship are being able to learn “on-the-job” and apply what you’re learning at college or university directly into your day to day role and gaining real-world experience from the outset. You are also working towards professional qualifications which are recognised globally and have the support of colleagues to help achieve those qualifications.

The best advice I could give to those considering an apprenticeship, would be to not underestimate the amount of work required just because you may be on a part-time course. The workload is definitely manageable if you’re willing to put in the effort and remain focused, however at times it will be difficult, but being in the workplace whilst also studying is a huge help!

For more information on apprenticeships with Arup, please visit: www.arup.com/careers/early-careers/apprenticeships