**Applied for:** Biomedical Science

**Offers received:**

Cardiff University – ABB

University of Huddersfield – 112 points

Oxford Brookes University – 104 and 96 points

Sheffield Hallam University - Unconditional

In Biology, one of my favourite topics is immunity because I was amazed by the range of processes happening that were summarised as just three bullet points for GCSE. For me, it linked so many topics together and was the first time I started to link the biochemistry topic on proteins to the intricate detail of membrane structure and proteins as receptors to cell-to-cell communication. The chance to look into this topic in more detail at university and developing the practical skills to work in this area really excites me. In order to gain an insight and understanding on what goes on within hospitals to diagnose patients with diseases, I attended the Pathology Lab tour at Gloucester Royal Hospital. We looked around the Microbiology, Chemical Pathology and Haematology Labs. I found Microbiology the most interesting because there was minimum machinery, unlike the other laboratories, so there is
still a lot of hands on practical work to do. The whole experience has reinforced my desire to
work in Biomedical Science and helped me understand what goes on behind the scenes in
hospitals.

I am confident that I can become a successful biomedical student as I have developed a strong foundation of skills in my A-Levels. Examples of this include being accurate and precise when using practical skills to conduct an experiment effectively and recording data clearly to enable valid conclusions to be drawn. Furthermore, studying Psychology alongside Biology has developed my essay writing and analytical writing skills as well as my data analysis skills from investigations, such as conducting behavioural observations at Bristol Zoo. I also attend weekly biomedical lectures and ethical debates at a nearby school. We have discussed ethics in terms of abortion, consent and drug testing. We have also had sessions going into further depth and detail into biochemistry than we do at A-Level, for instance the enzymes and chemical mechanisms surrounding Glycolysis and the Krebs Cycle and the development of new drugs to fight disease. I have found these sessions thought-provoking, helping me further my knowledge on subjects I am intrigued by; it has also shown me that A-Level is somewhat simplified compared to university and I am looking forward to developing that detail in my studies.

Within school, I have taken on responsibilities such as a prefect in Y11 and senior prefect in
Sixth Form. In Y12, I volunteered to mentor students with their science GCSEs; not only did it benefit the students, but it also helped me strengthen my knowledge from GCSE by testing me on how to break down and simplify the subject content. Participating in National Citizens Service (NCS) after my GCSEs built my confidence, self-motivation and teamwork skills, which will aid me in working successfully in group tasks and in independent work at university. Teamwork was a major part of the experience, spending four weeks with people I had never met before, carrying out many teambuilding activities.

My part time job has developed my time management skills, as it requires me to find a balance between school and employment; a highly beneficial skill for balancing university work, a job and socialising. It has also furthered my communication abilities and confidence as I carry out customer focused roles. Work experience at a local primary school, assisting the teachers, used my creativity to paint a backdrop for their school play and make displays around the school. Although this is not the field of work I want to go into, it gave me an opportunity to interact with children of all ages and the teaching staff.

Having being inspired by female scientists, such as Elizabeth Garrett Anderson, who faced many setbacks but still stayed determined to achieved her goals and become the first English female doctor, I look forward to the challenge of university and am excited to be able to focus my studies around biomedical science and cutting edge research.