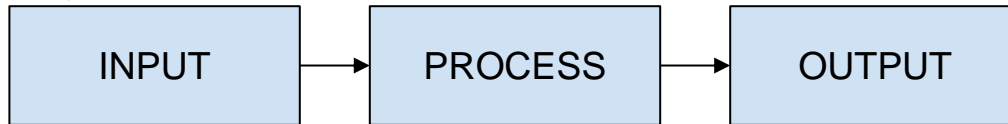


About A-level Electronics

A-level Electronics is the study of how electronic systems interact with the world, process this information, and return this information in a way that humans can understand. It can all be boiled down to 3 steps:



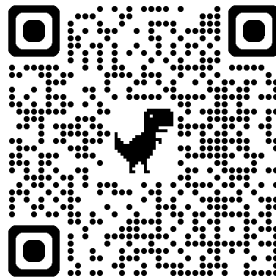
Throughout the course you will learn and construct many circuits for each step and how to integrate these to create more complex systems, as well as develop the skills to design, build, and troubleshoot your own circuits. You will also program microcontrollers using industry-standard softwares and assembly programming language.

What can you do to prepare for your studies?

This recommended task will enable you to learn about fundamental electronic components, such as capacitors and transistors, and discover more about working in the electronics industry and different career options, including:

space exploration ; robotics ; artificial intelligence ; renewable energies ; control systems

You will complete a free online course created by the *UK Electronics Skills Foundation**, a charity organisation who supports learning of electronics at college and university. This course can be completed over the course of your summer break after your exams, and is broken down into a few hours of work per week, across 3 weeks. You do not have to follow this guideline, but it is recommended.



<https://www.futurelearn.com/courses/an-introduction-to-electronic-engineering>

Simply create a free account on the Future Learn platform using the link above, and progress through the videos, reading, and activities at your own pace. Once complete, you will download an e-certificate to show that you have completed the course.

We hope that you enjoy your introduction to electronics and are looking forward to studying at A-level! Best of luck with your GCSE exams.