

## Frequently Asked Questions

### Computer Science

**Question:** What are some of the key topics I would cover?

**Answer:**

- Principles of programming, developing your knowledge of programming alongside the theory of recognised programming behaviours
- Data transmission, communications networks theory regarding routing and data transfer
- Computer Architecture, developing your understanding of computer components.
- Software development including AI, expert system, robotics etc
- Cyber security, looking at cryptography and maintaining data security and integrity.

**Question:** How many other subjects can I choose alongside this one?

**Answer:** Most students will study 2 additional subjects alongside Computer Science, although some have chosen to study 3.

**Question:** What is the learning style like within this subject?

**Answer:** There is a mix of learning styles to suit different people, you will be asked to complete individual investigations into different topics, i.e. Backus Naur Form. You will complete programming challenges that ask you to take the learning in class and develop it for a specific purpose. Programming is collaborative and all students are encouraged to help each other as this helps develop everyone's understanding. We enjoy different group tasks as well as individual written assignments.

**Question:** How will I be assessed?

**Answer:** 2 written exams and one piece of individual programming at the end of 2 years.

**Question:** What support can I access if I am struggling?

**Answer:** Workshops are available during the week for individuals and groups to come to for additional help. These can be targeted for a specific topic or tailored for individual students. Students are encouraged to form support groups and there is a possibility of a second year student mentor.

**Question:** Are there any subject specific entry requirements?

**Answer:** Yes, please refer to the prospectus [here](#) for general and subject specific entry requirements

**Question:** What do students who have studied this area normally do after Collyer's?

**Answer:** Students have gone on to a wide variety of career choices after studying Computer Science, many will go to university to study Computer Science, others have taken up apprenticeships in software development, cyber security etc



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