

OCR Cambridge Advanced National in Application Development/Data Analytics/Cyber Security and Networks

Contact: Mr L Higgins

Course Description

Cambridge Advanced Nationals encourage students to:

- Develop subject specific key knowledge, understanding, and skills
- Think creatively, innovatively, analytically, logically, and critically
- Develop valuable communication skills that are important in all aspects of further study and life
- Develop transferable skills, such as evaluation, planning, presentation, and research skills
- Develop independence and confidence in applying their knowledge and skills

We will offer three flavours of the new AAQs:

Application development

- Interpreting client requirements and documenting ideas
- Planning and designing UX/UI solutions
- Communicating UX/UI solutions to clients

Data analytics

- Planning, developing and reviewing spreadsheet data models that meet the needs of a client
- Planning, developing and reviewing relation databases that meet the needs of a client
- Planning, communicating and reviewing Internet of Everything (IoE) solutions that meet the needs of a client
- Planning, developing and reviewing data visualisation solutions through the use of data dashboards that meet the needs of a client
- Planning, developing and reviewing digital marketing campaigns that meet the needs of a client

Cyber Security

- Assessing for risks to networks, devices and applications and creating risk assessments
- Auditing the measures used to prevent cyberattacks
- Designing policies that control access to systems and educate users in cyberattack prevention

Students can only select one of the three courses.

Assessment

The qualification is structured in such a way that students can 'top up' to gain greater accreditation over time.

In Year 12, all students will complete two mandatory units to gain the Certificate standard qualification, which is equivalent to half an A Level.

One further additional unit is then sat in Year 13, alongside two optional units, to gain the Extended Certificate - which is awarded further UCAS points.

This qualification is graded:

Pass, Merit, Distinction, Distinction*

Additional Entry Guidance

Though Level 2 IT or GCSE Computer Science would be preferable past experience - there are no formal entry requirements or prior learning for these qualifications.