

# OCR Level 3 Alternative Academic Qualification Cambridge Advanced National in Computing: Application Development (Extended Certificate)

## Exam Board: OCR

### Subject Specific Criteria:

- **Grade 5 in GCSE Computing or Grade 5 in IT.**
- **Grade 5 in GCSE English Language**
- **Grade 5 in GCSE Maths**

### Course Information:

This qualification is for learners 16 years old or over who want to develop applied knowledge and skills in application development and for learners who want to progress onto other related study, such as higher education courses in Computer Science, Computing and User Experience Design.

### Assessment:

For this qualification, students must complete five units:

- Two mandatory externally assessed units
- One mandatory NEA unit
- Two optional NEA units

Student will be assessed through a combination of theoretical study and hands-on experience. They will develop the necessary knowledge and skills that can support progression to higher education computing study.

In the examined units, students will study key knowledge and understanding relevant to application development. In the non-examined assessment (NEA) units, students will demonstrate knowledge and skills by completing applied or practical assignments.

The qualification has three mandatory units and four optional units. These are the mandatory units – students must take all these units:

### Mandatory units:

- **F160: Fundamentals of application development.** This unit is assessed by an exam.
- **F161: Developing application software.** This unit is assessed by an exam.

- **F162: Designing and communicating UX /UI solutions.** This unit is assessed by an assignment.

The exam is 1 hours and 15 minutes and has 60 marks in total. All questions in the exam are compulsory.

There are optional units. Students must take two of these units. The units studied will be decided by the subject staff.

- **F163: Game development.** This unit is assessed by an assignment
- **F164: Website development.** This unit is assessed by an assignment.
- **F165: Immersive technology solution development.** This unit is assessed by an assignment.
- **F166: Software development.** This unit is assessed by an assignment.

### Skills Required:

- Independent learning to develop programming skills
- A good level of written English and web skills to create online coursework portfolios.
- An interest in all aspects of the Computing world especially cyber security and coding.
- Analytical and Logical thinking to be good problem solvers.
- Resilience to continue projects even when things get tough.

### The subjects that complement this qualification:

A Level Art and Design; A Level Business Studies; A Level Computer Science; A Level Design and Technology; A Level Maths; A Level Media Studies

### Future Opportunities:

Both the subject-specific knowledge, understanding and skills and broader transferable skills developed through these units, will help students progress to further study in related areas such as:

Computer Science; Computer Games Development; Computing; Creative Computing; Web and Mobile Development; Web and User Experience Design