

Level 3 Cambridge Advanced National (AAQs) Explained

February 2024 – Version 1

Academic study for students aged 16 and over



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The post-16 landscape is changing and from September 2025 it will look significantly different to the current one. The government wants to create a new streamlined qualifications system for students aged 16 and over, aimed at supporting them to move into high-skilled jobs, either directly, or through progression into good quality higher education courses.

This reform and its timeframes might be subject to review under this or any future government. This could potentially result in a continuation of funding for our current Cambridge Technical Level 3 qualifications, which, under those circumstances, we would expect to continue to offer. Under the current reform this means there could be two routes available for students. In this system, students would be able to choose between:

- **Academic:** A Levels or a mixed curriculum of, typically, two A Levels alongside a vocational qualification, known as an Alternative Academic Qualification (AAQ)
- **Technical:** T Levels or they may wish to enrol in an apprenticeship.

Alternative Academic Qualifications (AAQs) will be developed in two cycles:

- **Cycle 1:** Cycle 1 will include subjects that align with waves 1 and 2 of the T Level roll-out with qualifications being funded from September 2025
- **Cycle 2:** Cycle 2 will include everything not covered in cycle 1 and qualifications will be funded from September 2026

Under the current reform Alternative Academic Qualifications will exist alongside A Levels and T Levels and our new Cambridge Advanced Nationals will replace Cambridge Technicals.

For more information see our [Post-16 reform hubpage](#).



Cambridge Advanced Nationals

Cambridge Advanced Nationals (AAQs) are our new Level 3 qualifications, available for first teaching in 2025. Under the current reform Alternative Academic Qualifications (AAQs) will exist alongside A Levels and T Levels.

Who are Cambridge Advanced Nationals for?

Designed for students aged 16 to 19 years, our Level 3 Cambridge Advanced Nationals complement A Level subjects and offer students rounded study programmes. Our qualifications provide students with the practical skills and knowledge they need for entry into higher education.

How do Cambridge Advanced Nationals fit into a Level 3 programme of study?

Possible combinations for qualifications:

- 1 × 360GLH Cambridge Advanced National + 2 × A Levels
- 1 × 720GLH Cambridge Advanced National + 1 × A Level
- 1 × 1080GLH Cambridge Advanced National



What subject AAQs are we developing?

We are developing qualifications in the following subjects (all subject to DfE approval):

Cycle 1		
Subject	Size	First teach
Applied Science	360GLH	September 2025
Computing: Application Development	360GLH	September 2025
Engineering	360GLH	September 2025
Health and Social Care	360GLH	September 2025
Human Biology	360GLH	September 2025
IT: Data Analytics	360GLH	September 2025

Cycle 2		
Subject	Size	First teach
Creative Media Production	360GLH and 720GLH*	September 2026
Sport	1080GLH**	September 2026
Enterprise and Innovation	360GLH	September 2026
Policing and Criminal Justice	360GLH	September 2026
Mental Health and Wellbeing	360GLH	September 2026
Sustainability	150GLH	September 2026
Cyber Security and Digital Networking	360GLH	September 2026

* Creative Media Production only

** Sport only

Why choose Cambridge Advanced Nationals?

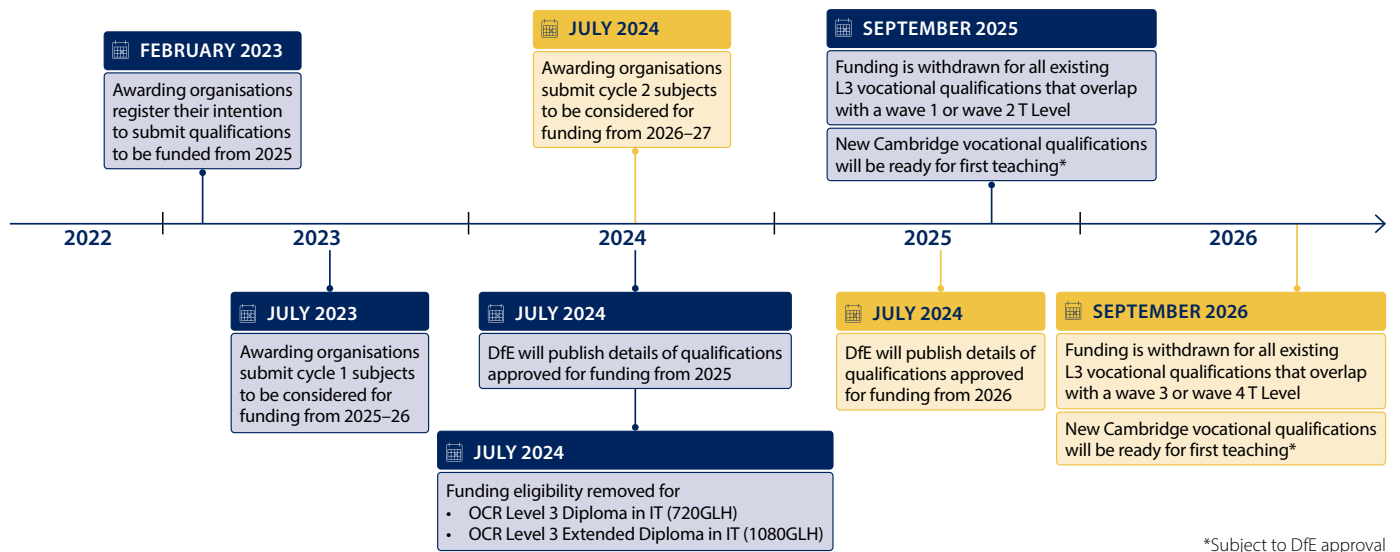
With our new Cambridge Advanced Nationals we've taken everything you and your students love about our existing programme and made it even better.



- **Full compensation grading:** Students are always rewarded for their demonstrated abilities – every single mark your students earn will directly contribute to their final grade. No mark will go to waste
- **No more hurdles:** Gone are the days of hurdle elements in units. If a student meets all but one Pass criterion and some Merit criteria, they won't face failure. Our approach compensates for performance at both the unit and qualification levels, ensuring fairness and encouragement for every student
- **Features teachers love and more:** Cambridge Advanced Nationals incorporate the popular features from our Cambridge Technicals, including visiting moderation, a blend of examination and coursework units, and we're keeping the well-recognised Pass, Merit, Distinction grade scale. Plus, you'll continue to benefit from our range of comprehensive support and resources
- **Pathways to university:** Designed in collaboration with teachers and universities, Cambridge Advanced Nationals equip students with a well-rounded skill set for today's undergraduate studies as part of a Level 3 programme of study
- **Complementary practical application:** Designed to be taken alongside A Levels, Cambridge Advanced Nationals seamlessly complement a mixed study programme while maintaining a strong focus on the practical application of skills and knowledge – a valuable enhancement to A Levels, enabling clear progression to university

Timelines

Confirmation of performance table and UCAS points will not be available until Spring 2024 (cycle 1) and Spring 2025 (cycle 2).



Everything you need to start teaching

Embarking on the journey of teaching a new qualification may seem overwhelming at first, but rest assured, we are here to support you every step of the way. Whether it's getting started with teaching, planning your course, providing guidance for exams, or offering post-results services, we have a wealth of resources, and training to assist you at every stage.

Starting from September 2025, you will have access to everything you need to teach Cambridge Advanced Nationals, ensuring a smooth and successful experience, including:

- Mapping and overview documents that compare the new Cambridge Advanced Nationals specifications with existing Applied Generals to help you understand what's new and different about the new qualifications

- Free teaching and assessment resources, including overview curriculum planners and detailed schemes of work for every unit, teaching activities and Sample Assessment Materials (SAMs) to help you get going, plan your teaching and support you through delivery
- An extensive professional development programme to help you get the most from our qualifications, from making the choice to deliver Cambridge Advanced Nationals to preparing your students for assessment
- Exceptional post-results services, including our past-paper question building platform ExamBuilder, results analysis through Active Results, and free on-demand Access to Scripts.

All our support will be instantly and easily accessible via Teach Cambridge, our online hub for teachers.

Qualification overview – Applied Science

Level 3 Cambridge Advanced National (AAQ) in Applied Science

Our Level 3 Cambridge Advanced National (AAQ) in Applied Science provides students with a theoretical knowledge and understanding of the fundamentals of science, preparing them for progression to undergraduate study. It covers core topics of biology, physics and chemistry and will equip students with relevant industry skills through researching, planning and performing a range of different laboratory investigations.

There are 2 qualifications available in Applied Science. These are:

- OCR Level 3 Cambridge Advanced National (AAQ) in Applied Science (Certificate)
- OCR Level 3 Cambridge Advanced National (AAQ) in Applied Science (Extended Certificate)

The Extended Certificate qualification is the same size as an A Level. Students should take this alongside A Levels as part of their programme of study at Key Stage 5 to help them build broader knowledge and skills that are valued in undergraduate study and are relevant for progression to higher education.

Qualification	Specification code	Qualification number	Size	Mandatory units	Optional units	External assessment (Exam)	Non-exam assessment (NEA)
Certificate	H051	TBC	180 GLH	2	0	50%	50%
Extended Certificate	H151	TBC	360 GLH	3	2	40%	60%

Unit number	Unit title	How is it assessed?	Mandatory or optional
F180	Fundamentals of science	External assessment	Mandatory
F181	Science in society	External assessment	Mandatory
F182	Investigating science	Non-exam assessment (NEA)	Mandatory
F183	Analytical techniques in chemistry	Non-exam assessment (NEA)	Optional
F184	Environmental studies	Non-exam assessment (NEA)	Optional
F185	Forensic biology	Non-exam assessment (NEA)	Optional
F186	Medical physics	Non-exam assessment (NEA)	Optional

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Download draft [Sample Assessment Materials \(SAMs\)](#)

Qualification overview – Human Biology

Level 3 Cambridge Advanced National (AAQ) in Human Biology

Our Level 3 Cambridge Advanced National (AAQ) in Human Biology provides students with theoretical knowledge and hands-on experience of biology, that provides them with the understanding and skills that will help prepare them for progression to undergraduate study and are relevant to the medical science sector.

There are 2 qualifications available in Human Biology. These are:

- OCR Level 3 Cambridge Advanced National (AAQ) in Human Biology (Certificate)
- OCR Level 3 Cambridge Advanced National (AAQ) in Human Biology (Extended Certificate)

The Extended Certificate qualification is the same size as an A Level. Students should take this alongside A Levels as part of their programme of study at Key Stage 5 to help them build broader knowledge and skills that are valued in undergraduate study and are relevant for progression to higher education.

Qualification	Specification code	Qualification number	Size	Mandatory units	Optional units	External assessment (Exam)	Non-exam assessment (NEA)
Certificate	H049	TBC	180 GLH	3	0	40%	60%
Extended Certificate	H149	TBC	360 GLH	4	2	40%	60%

Unit number	Unit title	How is it assessed?	Mandatory or optional
F170	Fundamentals of human biology	External assessment	Mandatory
F171	Health and disease	External assessment	Mandatory
F172	Genetics	Non-exam assessment (NEA)	Mandatory
F173	Biomedical techniques	Non-exam assessment (NEA)	Mandatory
F174	Nutrition and metabolism	Non-exam assessment (NEA)	Optional
F175	Human reproduction	Non-exam assessment (NEA)	Optional
F176	The brain	Non-exam assessment (NEA)	Optional
F177	Drug development	Non-exam assessment (NEA)	Optional

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Qualification overview – Computing: Application Development

Level 3 Cambridge Advanced National (AAQ) in Computing: Application Development

Our Level 3 Cambridge Advanced National (AAQ) in Computing: Application Development provides students with theoretical knowledge and hands-on experience of application development, equipping them with the understanding and skills that will help prepare them for progression to undergraduate study and are relevant to the ICT practitioners sector.

There are 2 qualifications available in Computing: Application Development. These are:

- OCR Level 3 Cambridge Advanced National (AAQ) in Computing: Application Development (Certificate)
- OCR Level 3 Cambridge Advanced National (AAQ) in Computing: Application Development (Extended Certificate)

The Extended Certificate qualification is the same size as an A Level. Students should take this alongside A Levels as part of their programme of study at Key Stage 5 to help them build broader knowledge and skills that are valued in undergraduate study and are relevant for progression to higher education.

Qualification	Specification code	Qualification number	Size	Mandatory units	Optional units	External assessment (Exam)	Non-exam assessment (NEA)
Certificate	H029	TBC	150 GLH	2	0	50%	50%
Extended Certificate	H129	TBC	360 GLH	3	2	40%	60%

Unit number	Unit title	How is it assessed?	Mandatory or optional
F160	Fundamentals of application development	External assessment	Mandatory
F161	Developing application software	External assessment	Mandatory
F162	Designing and communicating UX/UI solutions	Non-exam assessment (NEA)	Mandatory
F163	Game development	Non-exam assessment (NEA)	Optional
F164	Website development	Non-exam assessment (NEA)	Optional
F165	Immersive technology solution development	Non-exam assessment (NEA)	Optional
F166	Software development	Non-exam assessment (NEA)	Optional

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Qualification overview – IT: Data Analytics

Level 3 Cambridge Advanced National (AAQ) in IT: Data Analytics

Our Level 3 Cambridge Advanced National (AAQ) in IT: Data Analytics provides students with theoretical knowledge and hands-on experience of information technology and data, that provides them with the understanding and skills that will help prepare them for progression to undergraduate study and are relevant to the information technology sector.

There are 2 qualifications available in IT: Data Analytics. These are:

- OCR Level 3 Cambridge Advanced National (AAQ) in IT: Data Analytics (Certificate)
- OCR Level 3 Cambridge Advanced National (AAQ) in IT: Data Analytics (Extended Certificate)

The Extended Certificate qualification is the same size as an A Level. Students should take this alongside A Levels as part of their programme of study at Key Stage 5 to help them build broader knowledge and skills that are valued in undergraduate study and are relevant for progression to higher education.

Qualification	Specification code	Qualification number	Size	Mandatory units	Optional units	External assessment (Exam)	Non-exam assessment (NEA)
Certificate	H019	TBC	150 GLH	2	0	50%	50%
Extended Certificate	H119	TBC	360 GLH	3	2	40%	60%

Unit number	Unit title	How is it assessed?	Mandatory or optional
F200	Fundamentals of data analytics	External assessment	Mandatory
F201	Big data and machine learning	External assessment	Mandatory
F202	Spreadsheet data modelling	Non-exam assessment (NEA)	Mandatory
F203	Relational database design	Non-exam assessment (NEA)	Optional
F204	Data and the Internet of Everything (IoE)	Non-exam assessment (NEA)	Optional
F204	Data visualisation	Non-exam assessment (NEA)	Optional
F205	Data and digital marketing	Non-exam assessment (NEA)	Optional

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Qualification overview – Engineering

Level 3 Cambridge Advanced National (AAQ) in Engineering

Our Level 3 Cambridge Advanced National (AAQ) in Engineering provides students with theoretical knowledge and hands-on experience of engineering, equipping them with the understanding and skills that will help prepare them for progression to undergraduate study and are relevant to the engineering sector.

There are 2 qualifications available in Engineering. These are:

- OCR Level 3 Cambridge Advanced National (AAQ) in Engineering (Certificate)
- OCR Level 3 Cambridge Advanced National (AAQ) in Engineering (Extended Certificate)

The Extended Certificate qualification is the same size as an A Level. Students should take this alongside A Levels as part of their programme of study at Key Stage 5 to help them build broader knowledge and skills that are valued in undergraduate study and are relevant for progression to higher education.

Qualification	Specification code	Qualification number	Size	Mandatory units	Optional units	External assessment (Exam)	Non-exam assessment (NEA)
Certificate	H027	TBC	180 GLH	2	0	50%	50%
Extended Certificate	H127	TBC	360 GLH	3	2	40%	60%

Unit number	Unit title	How is it assessed?	Mandatory or optional
F130	Principles of engineering	External assessment	Mandatory
F131	Materials science and technology	External assessment	Mandatory
F132	Engineering in practice	Non-exam assessment (NEA)	Mandatory
F133	Computer Aided Design (CAD)	Non-exam assessment (NEA)	Optional
F134	Programmable electronics	Non-exam assessment (NEA)	Optional
F135	Mechanical product design	Non-exam assessment (NEA)	Optional
F136	Computer Aided Manufacture (CAM)	Non-exam assessment (NEA)	Optional
F137	Electrical devices and circuits	Non-exam assessment (NEA)	Optional

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Qualification overview – Health and Social Care

Level 3 Cambridge Advanced National (AAQ) in Health and Social Care

Our Level 3 Cambridge Advanced National (AAQ) in Health and Social Care provides students with theoretical knowledge and hands-on experience of health and social care, equipping them with the understanding and skills that will help prepare them for progression to undergraduate study and are relevant to the health and social care sector.

There are 2 qualifications available in Health and Social Care. These are:

- OCR Level 3 Cambridge Advanced National (AAQ) in Health and Social Care (Certificate)
- OCR Level 3 Cambridge Advanced National (AAQ) in Health and Social Care (Extended Certificate)

The Extended Certificate qualification is the same size as an A Level. Students should take this alongside A Levels as part of their programme of study at Key Stage 5 to help them build broader knowledge and skills that are valued in undergraduate study and are relevant for progression to higher education.

Qualification	Specification code	Qualification number	Size	Mandatory units	Optional units	External assessment (Exam)	Non-exam assessment (NEA)
Certificate	H025	TBC	180 GLH	3	0	40%	60%
Extended Certificate	H125	TBC	360 GLH	4	2	40%	60%

Unit number	Unit title	How is it assessed?	Mandatory or optional
F090	Principles of health and social care	External assessment	Mandatory
F091	Anatomy and physiology for health and social care	External assessment	Mandatory
F092	Person-centred approach to care	Non-exam assessment (NEA)	Mandatory
F093	Supporting people with mental health conditions	Non-exam assessment (NEA)	Mandatory
F094	Supporting people with long term physiological conditions	Non-exam assessment (NEA)	Optional
F095	Investigating public health strategies	Non-exam assessment (NEA)	Optional
F096	Supporting people in relation to sexual health, pregnancy and postnatal health	Non-exam assessment (NEA)	Optional
F097	Supporting healthy nutrition and lifestyles	Non-exam assessment (NEA)	Optional

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