

Life and Health Sciences units

Unit AS 1 Experimental Techniques	Unit AS 2 Human Body Systems
Unit AS 3 Aspects of Physical Chemistry in Industrial Processes	Unit AS 4 Brain Science
Unit AS 5 Material Science	Unit AS 6 Medicine, Drugs and Clinical Trials

Unit A2 1 Scientific Method, Investigation, Analysis and Evaluation	Unit A2 2 Organic Chemistry
Unit A2 3 Medical Physics	Unit A2 4 Sound and Light
Unit A2 5 Genetics, Stem Cell Research and Cloning	Unit A2 6 Microbiology
Unit A2 7 Oral Health and Dentistry	Unit A2 8 Histology and Pathology
Unit A2 9 Analytical Chemistry Techniques	Unit A2 10 Enabling Technology

Life and Health Sciences – Fast facts



Innovative science qualification developed with key industry partners.



Growing sector generates £800m turnover per year in Northern Ireland.



Equips learners for a wide range of STEM careers and higher education pathways.



Qualification available as Single and Double Award.



Varied topics include genetics, medicine, clinical trials and analytical chemistry.

Find out more

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A Level Life and Health Sciences

Developed in partnership with industry

THE REVISION

A Level Life and Health Sciences

An industry-driven course

The innovative CCEA A Level Life and Health Sciences has been developed in partnership with industry to foster the essential skills required by this growing sector.

The 2015 MATRIX sector report identified a significant skills gap in the life and health sciences sector in Northern Ireland and this engaging qualification, developed with local employers including **Almac**, **Norbrook** and **Intelesens**, will provide learners with numerous pathways into a wide range of STEM careers.

“

We are proud to have worked with CCEA to develop this innovative A level that will equip today's learners with the skills required for tomorrow's industry.



Dr. Stephen Barr, Managing Director, Almac Sciences

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The sector generates **£800m** turnover per year in NI and is growing by **12%** annually.



Over **70,000** people are employed across NI health industries (including NHS staff).

Why Life and Health Sciences?

There are a range of reasons why teachers and learners should choose this qualification:

Innovative

Qualification developed in partnership with life and health sciences industry

Career options

Wide range of careers including pharma, biomedical science, nursing and radiography

Skills-led

Equips learners with the skills and knowledge required by the life and health sciences sector

Varied topics

Relevant topics include genetics, medicine, clinical trials and analytical chemistry

Embedded practical science

Practical science stimulates enthusiasm and offers fresh insight into industry

“

This new qualification will give our students a wealth of opportunities for their future education and employment in industry.

**Colin Murphy,
St. Ronan's College, Lurgan**

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What's involved?

This qualification is available as Single or Double Award and could complement a school's current science offering or act as a standalone science qualification. There are compulsory and optional units, with internal and external assessment options.

	Single Award
AS	Compulsory: Units AS 1, 2 and 3
A2	Compulsory: Units A2 1 and 2 Optional: Units A2 3, 4 and 5 (choose one)

	Double Award
AS	Compulsory: Units AS 1, 2, 3, 4, 5 and 6
A2	Compulsory: Units A2 1 and 2 Optional: Units A2 3, 4 and 5 (choose two) Optional: Units A2 6, 7, 8, 9 and 10 (choose two)

Supporting teachers

CCEA offers teachers a dedicated support package, including direct contact and support events with input from higher education and industry partners. We will provide a range of resources, including planning frameworks, student guides and fact files.