

Embryologist Bacteriologist

## Why study a Science at Dalkeith?

Science is one of the oldest and most important academic disciplines, which can lead to many great degree options for students.

Firstly, science helps our understanding of the world around us. Everything we know about the universe is the result of scientific research and experiment. Human progress throughout history has largely rested on advances in science. From our knowledge of gravity to cutting-edge medicines, students of Science have shaped our modern world.

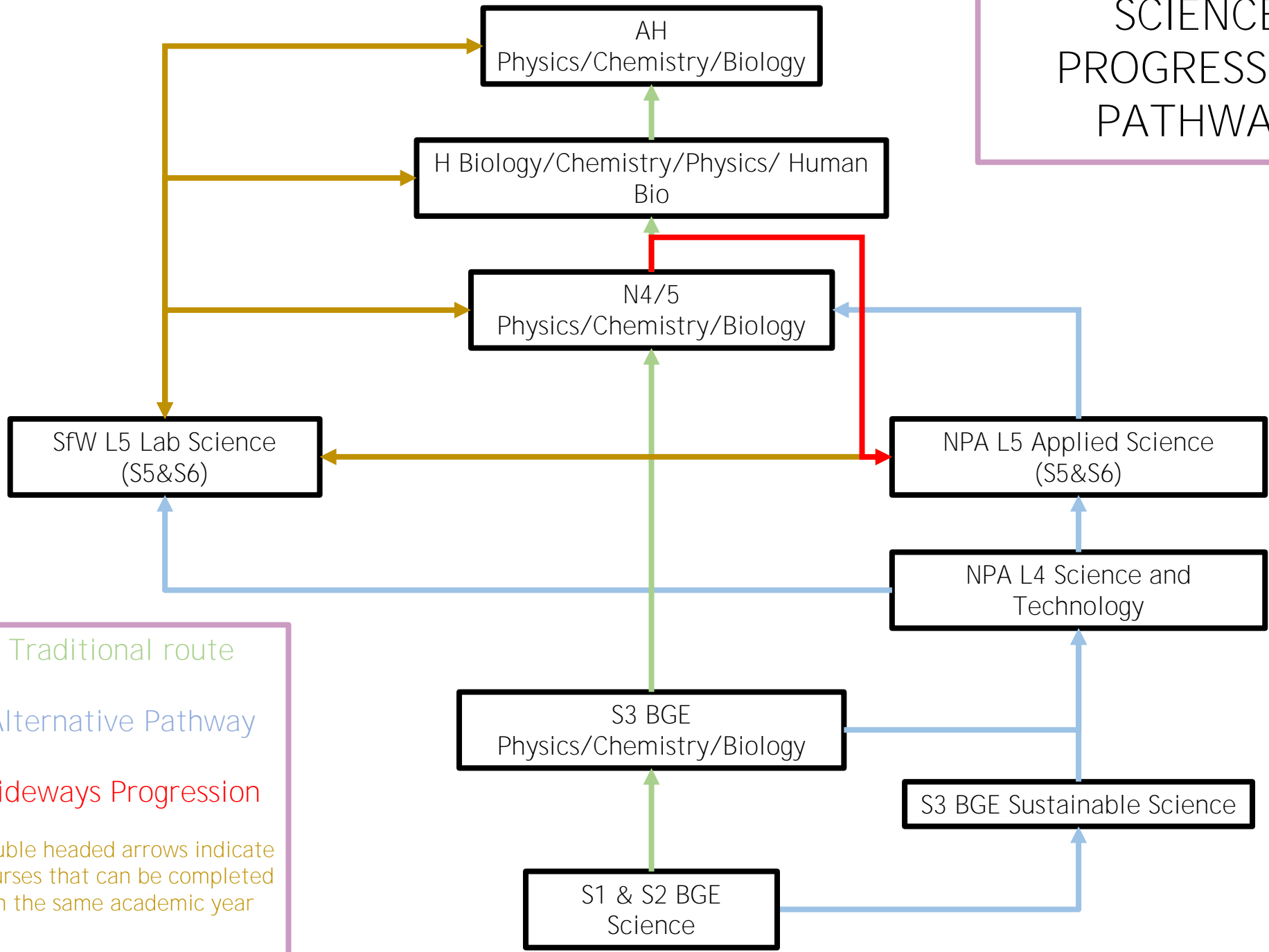
Science graduates are in high demand, they are attractive to employers and societies from many different backgrounds, If you want to shape the world around you, help make scientific advances that benefit mankind, and prepare for a successful career, a Science degree will be highly valuable.

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# SCIENCE PROGRESSION PATHWAY



Traditional route

Alternative Pathway

Sideways Progression

Double headed arrows indicate courses that can be completed in the same academic year

## Course choice guidance from the Science department:

- \* S3 - Biology, Chemistry and Physics - Majority of young people will choose at least one science in S3, where they will access content taught at national 3-5 level, 2 sciences go well together, 3 is usually not advised.
- \* S3 - Sustainable Science - Young people with significant ASN who would find a single science too challenging, pupils are individually recommended by the department for this course.
- \* S4/5/6 - NPA L4&L5 Courses - Young people who will struggle with a discrete science and would benefit from a course without an exam. Attendance is crucial. **Young people studying NPA's should not be in another Science at the same time.** As before, the department will recommend young people for these courses.
- \* S4/5/6 - N5 Biology, Chemistry and Physics - Pupils should continue from their chosen science in S3 into S4 to ensure continuity in their learning. Pupils joining who have not completed S3 in the subject will be provided with the work they have missed.
- \* S5/6 - Higher Biology, Human Biology, Chemistry and Physics - Pupils should continue from their chosen science at N5, having gained a C or above at N5. Crashing higher is possible for S6 pupils depending on individual circumstances.
- \* S4/5/6 - L5 Lab Science - Young people who are studying NPA L5, N5, H or AH, who enjoy Science and would benefit from an extra course without an exam. Attendance is crucial. Recommended for young people who would like to continue science at university or in the workplace.
- \* S6 - AH Biology, Chemistry and Physics - Young people who would like to continue science at university are recommended to take AH, especially those young people who are applying for competitive courses, can result in entry to second year university.

# Science is useful in many careers too:



## Useful links:

- Job prospects:

<https://www.prospects.ac.uk/jobs-and-work-experience/job-sectors/science-and-pharmaceuticals/graduate-jobs-in-science-and-pharmaceuticals>

<https://www.graduate-jobs.com/jobs/science-technology>

- SQA documents:

<https://www.sqa.org.uk/sqa/45910.html>

<https://www.sqa.org.uk/sqa/45861.html>

<https://www.sqa.org.uk/sqa/45912.html>

- Fastest growing jobs in science:

<https://bigfuture.collegeboard.org/explore-careers/career-clusters/stem/10-fastest-growing-jobs>

- University of Edinburgh entry requirements explained:

<https://www.ed.ac.uk/studying/undergraduate/entry-requirements/scottish-qualifications/highers>