POST-16 CAREER PROGRESSION MAP – APPLIED SCIENCE

This progression map details the learning opportunities and possible future employment routes within the applied science sector.

**VOCATIONAL QUALIFICATIONS**

On completion of your qualification, you can progress to a higher level qualification, an apprenticeship or into employment.

- BTEC Firsts
  - Principles of Applied Science*
  - Application of Science*
  - Applied Science*
  - *Typically 1 year

- BTEC Nationals
  - Applied Human Biology*
  - Applied Science*
  - Forensic and Criminal Investigation*
  - *Typically 1 or 2 years

- NVQ
  - Laboratory and Associated Technical Activities
  - Typically 1 or 2 years

**APRENTICESHIPS**

On completion of your apprenticeship, you will have the skills, knowledge and experience for employment in your chosen job role.

- Healthcare Science Assistant
  - Typically 12 months

**EMPLOYMENT**

POSSIBLE ROLES INCLUDE:

- Analytical scientist, Biochemist, Biomedical scientist, Biologist, Biotechnologist, Clinical scientist, Microbiologist, Physicist, Research scientist/technician, Education laboratory technician, Medical laboratory assistant, Scientific laboratory technician, Technician scientist, Quality Support Technician, Manufacturing Technician, Science Technician.

**LEVEL 1 and 2**

Same level as GCSE

- Healthcare Science Assistant
  - Typically 12 months

**LEVEL 3**

Same level as A-Level

- NVQ
  - Laboratory and Associated Technical Activities
  - Typically 1 or 2 years

**LEVEL 4 and 5**

Same level as 1st and 2nd year of a degree programme

- NVQ
  - Laboratory and Associated Technical Activities
  - Typically 1 or 2 years

- BTEC Higher Nationals
  - Applied Sciences
  - Typically 1 or 2 years

**Applies Science Degrees** BSc (Hons)

- Life Sciences
- Biology / Biological Sciences / Human Biology
- Biochemistry / Biotechnology
- Ecology and Environmental Biology
- Microbiology / Molecular Biology
- Wildlife Ecology and Conservation Science / Conservation Biology
- Chemistry / Biochemistry / Environmental Science
- Medicinal Chemistry
- Pharmacology / Pharmaceutical Science
- Food Science / Technology / Studies
- Forensic Science / Chemistry / Biology
- Nutrition and Dietetics
- Hydrology / Water Science
- Environmental Science / Health

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*Typical duration for qualifications as noted.