



# Chemistry: Career Route Map

Find out more at: [www.horizonnuclearpower.com/futures](http://www.horizonnuclearpower.com/futures)

## School / FE College

### GCSE

- A\* - C Grades in 5 subjects (Maths, Sciences, English and 1 other)
- Welsh Baccalaureate Foundation Skills Challenge Certificate (KS 4) (Applicable to Wales only)

### A LEVEL

- A\* - C Grades in Chemistry and 2 other subjects
- Welsh Baccalaureate Foundation / National Skills Challenge Certificate (Post - 16) (Applicable to Wales only)

*Foundation Degree in Chemistry* (Level 5 Qualification)

*Additional study towards full honours degree* (Level 5 to Level 6 Qualification)

## FE / HE Education

### FE: HIGHER APPRENTICESHIP IN CHEMISTRY

- Chemistry at A Level
- 1 other STEM subject

*BTEC Higher National Certificate in Applied Chemistry* (Level 4 Qualification)

### UNDERGRADUATE DEGREE

#### *Chemistry - BSc Hons*

- Chemistry at A2 Level
- 2 other A2 Level subjects (excluding Key Skills)
- BTEC National Diploma

#### *Chemistry - MChem Hons*

- Chemistry at A2 Level
- 3 other A2 Level Subjects (excluding Key Skills)

#### *Environmental Chemistry - BSc*

- Chemistry at A2 Level
- 2 other A2 Level subjects (excluding Key Skills)

#### *BEng Degree*

### POSTGRADUATE DEGREE

*Chemistry - MPhil / MRes / PhD / MSc*

## Chemistry Roles

**FOR A SCIENCE ROLE A DEGREE OR APPRENTICESHIP IN A RELEVANT TECHNICAL DISCIPLINE WILL BE REQUIRED.**

Chemists on a power station collect and analyse samples from plant systems and interpret the data to ensure the health and safety of staff and the general public in addition to the protection of the environment and the condition of the power station systems.

### Example of post and role:

Progression within discipline is possible.

**CHEMIST**

