



# Operational: 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)
- BTEC Level 2 Engineering
- Welsh Baccalaureate Foundation Skills Challenge Certificate (KS 4) (Applicable to Wales only)

### LEVEL 3

- **BTEC Level 3:** Engineering

### A LEVEL

- A\* - C Grades in at least one subject such as Design & Technology, Engineering or IT.
- Welsh Baccalaureate Foundation / National Skills Challenge Certificate (Post - 16) (Applicable to Wales only)

## FE Education

### FE

- BTEC Level 3 in relevant technical subjects, e.g. Subsidiary Diploma in Engineering and Diploma in Operations and Maintenance Engineering.

### ADVANCED / HIGHER APPRENTICESHIP

#### Recommended areas:

- Advanced Manufacturing, Power, IT, Electrical, C&I.
- Combining workplace and learning.

## HE Education

### UNDERGRADUATE DEGREE

#### Recommended areas:

- Mechanical Engineering
- Electrical Engineering
- Power Systems
- Physics
- Nuclear Engineering
- Chemistry / Chemical Engineering
- Control & Instrumentation Engineering

## Operational Roles

Operations staff operate the nuclear reactor, steam turbine and other items of plant on a shift system, covering 24 hours a day, 7 days a week. Such activities are essential to the day-to-day running of the plant. Operations staff run the reactors, steam turbines and ancillary plant on a shift rota.

Work experience gained in a variety of relevant technical / engineering posts at a nuclear power station can also be an entry point to training for operational posts.

In company training programme: up to two years with continual assessment.

### Example of post and role:

Progression within disciplines is possible.

**FIELD OPERATOR**

**OPERATIONS SUPPORT**

**CONTROL ROOM OPERATOR**

Control Room Operators can be promoted from the Field Operators, therefore a degree is not always necessary.

