

EARLY CAREERS

#edfearlycareers

Are you interested in joining our Nuclear Engineering Degree Training Programme, and being involved in some of the most exciting projects in EDF?

Nuclear Engineering Degree Apprenticeship

During our **four-year Degree Apprenticeship** you'll learn from our industry leading experts and gain valuable experience, while studying for a **Bachelors' Degree in Mechanical, Electrical Engineering or Control and Instrumentation**. You'll get on-the-job training and the kind of practical experience you simply can't get on campus. On the programme you'll follow the Level 6 Nuclear Scientist Nuclear Engineer Apprentice Standard.

What you'll need to apply:

- A minimum of **102 UCAS points** – ideally either **three A Levels** (at grade C or above including Maths and a science subject) or, a relevant Level 3 qualification, such as a **BTEC Level 3 Extended Diploma** with a strong mathematical element
- A passion for engineering in the nuclear industry.
- The ability to work independently and in teams, and can balance the responsibilities between study and work
- Willingness to relocate as required

Where you'll work:

- Your **first Year** in full time residential study at the **National College for Nuclear**, training delivered by **Bridgwater & Taunton College**. Accommodation and meal costs will be covered in your first year if you do not live locally to Bridgwater
- During the apprenticeship you will be working within different teams at your EDF location

Training, development and support for you:

- First year – you'll be in full time residential study at the National College for Nuclear, completing a foundation year in engineering. This'll include both academic and hands on learning, within a realistic training environment
- Years two and three – your time will be split between your studies and on the job learning at your EDF location, while you start to specialise in your chosen field
- Final year – most of your time will be spent at your EDF location, while continuing your studies through distance learning



Scan QR code to apply, or for further information



Your benefits:

- Competitive salary
- Accommodation and meal costs covered in your first year if you do not live locally to Bridgwater
- 25 days' annual leave
- Flexible benefits package
- Wellbeing and support services
- Integrated Life Skills programme
- Outward Bound programme – team building excursion prior to starting in September
- An Early Careers Programme Lead dedicated to your programme and personal development

What will I be studying:

- There are four modules taught per year (full-time), covering a range of mechanical, electrical and control engineering, alongside nuclear specific modules. These are taught in seminar-style classroom and workshop settings, in a mix of face-to-face and online study
- Mathematics is embedded throughout, rather than taught as a separate module. A total of 12 modules are taught from the following list, depending on which degree pathway discipline is chosen

Year 1

- Electromechanical systems engineering
- Thermofluid dynamics
- Solid mechanics
- Nuclear science, materials and design

Year 2 & 3 Mechanical

- Heat transfer and power
- Electromechanical systems design
- Electromechanical systems analysis
- Advanced nuclear science and project management
- Stress, materials and finite element analysis
- CFD analysis
- Industrial nuclear science and technology

Year 2 & 3 Electrical

- Electric supply
- Electromechanical systems design
- Electromechanical systems analysis
- Advanced nuclear science and project management
- Electronic systems
- Electronic control systems design
- Industrial nuclear science and technology

Year 4

- Nuclear project dissertation

Qualifications you'll gain on completion of your Apprenticeship:

- **Level 6 Nuclear Scientist and Nuclear Engineer Apprenticeship Standard**
- **Level 6 BEng (Hons) Degree** – (Specific degree pathway dependent on chosen discipline). Awarded by University of the West of England (UWE Bristol)



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