



MARINE ENGINEERING (SUBMARINER)

NUCLEAR UNDERGRADUATE APPRENTICESHIP SCHEME

THIS IS NO ORDINARY APPRENTICESHIP. IT'S AN ENGINEERING CAREER LIKE NO OTHER.

Joining the Royal Navy Nuclear Undergraduate Apprenticeship Scheme (NUGAS) puts you on course for accelerated training and progression in one of the Royal Navy's most elite and well-respected teams. It is your opportunity to be a crucial part of a professional submarine crew, maintaining some of the most advanced kit on the planet. You'll need to thrive on responsibility, supporting the vessel's nuclear reactor, ensuring its safe operation and maintaining all the vital support systems.

The scheme starts with 3½ years of training and education, followed by a further 3½ years serving on active duty in the Submarine Service. Your final year will be spent studying for a fully funded BEng (Hons) Engineering degree. This will give you both the practical skills and experience you need to become a successful nuclear engineer. What you do then is up to you; extended service, train as an officer, or transfer to the civilian sector.

01 What we're looking for

- An interest in mechanics and electrics
- A team player
- Commitment
- Enthusiasm
- Common sense
- Physically and mentally fit

Serving on board a submarine takes a special type of person. Your education and training will be intense so you'll need the determination to learn and consolidate complex skills quickly. You'll also need to be able to live and work in a confined space.

Why NUGAS?

- ▶ An accelerated scheme to become a nuclear engineer
- ▶ A fully funded BEng (Hons) degree in Mechanical and Manufacturing Engineering
- ▶ Starting salary of £14,700 rising to £28,000 after 18 months
- ▶ Earn up to £48,000 as your career progresses
- ▶ Six weeks of paid holiday every year
- ▶ Travel the world
- ▶ Operate at the highest levels of the engineering industry
- ▶ £5,000 bonus when you qualify as a Submariner

02

Required qualifications

Age range: 18-29 on entry

GCSEs or equivalent: Five GCSEs at grade C or better including Maths, English Language and at least one science.

Level 3 STEM qualifications (BTEC, or A/A2/AS or equivalents) in an engineering discipline or in maths and at least 1 physical science/engineering/computing subject. Either option must achieve 160 UCAS points.

03

Training

After 10 weeks you'll progress to training on-board a submarine, learning how all the machinery and equipment works and how the crew operate the submarine. Providing you complete this successfully, you will be awarded your Dolphins - the mark of a submariner.

Your nuclear engineering training will then start at HMS Sultan in Gosport. Here you will study topics such as:

- Electrical/Mechanical engineering principles
- Equipment fault finding and repair
- Nuclear reactor and engineering theory
- Nuclear reactor operations
- Air purification

After HMS Sultan, you will be ready to join a submarine to finish your training and qualify as a senior member of the engineering team.

04

Skills for life

Throughout your career the Royal Navy will support individual learning to develop you as a professional engineer and submariner, as well as give you an excellent start to a civilian career at the end of your service. NUGAS includes nationally accredited qualifications including:

- Advanced Modern Apprenticeship Marine Engineering
- Foundation Degree Marine Engineering
- BEng (Hons) Mechanical and Manufacturing Engineering

Extended service and promotion to commissioned officer may also offer opportunities to gain a Master's degree.



The scheme gives you a great mix of education and hands-on experience aboard state-of-the-art nuclear submarines. At the end of the eight years I'll have a degree, with no debt and loads of career options.

Jenny - Nuclear Undergraduate Apprentice, Engineering Branch



05

Promotion

You start your training as an Engineering Technician. Providing you meet your obligations under NUGAS you can advance to Leading Engineering Technician within approximately 18 months and to Petty Officer Technician within 4 years. At the end of the scheme you can choose to seek further promotions as you stay in the Royal Navy until 12 years of service, with options to extend to 20 years. If you're selected to become a commissioned officer, you'll attend Britannia Royal Naval College and forge a career as a Submarine Marine Engineering Officer and Nuclear Propulsion Supervisor.

06

Pay and benefits

- Starting salary of £14,700 rising to £28,000 after approximately 18 months
- Earn approximately £48,000 as your career progresses
- Six weeks of paid holiday every year
- Help with housing and education
- Free medical and dental care
- Adventurous training opportunities
- Access to superb sports and fitness facilities
- One of the best pensions available
- £5,000 bonus when you qualify as a Submariner

Not just a job. A way of life.

Being in the Royal Navy is a job like no other, with a life - and lifestyle - to match. You'll make friends for life, go to places you've never been and do things that dreams are made of. From the moment you join, you'll be part of a close-knit team that lives, works and relaxes together. On top of on-ship and onshore sports facilities, you'll also have the opportunity to go on adventurous training, which means anything from mountaineering, caving and parachuting, to jungle expeditions.

It's a life without limits. Its only limit is how much you want to live it.

FIND OUT MORE



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