

Engineering Design with Nuvia 4 year Apprenticeship programme (Dounreay)

The role of a designer provides a challenging and exciting opportunity to be part of a team that contributes to some of the world's most demanding projects in a safe and effective manner and is hugely rewarding.

The nuclear industry requires bright, articulate people to convey the ideas from teams of engineers into designs and engineering documents. In time, tasks that you might at first consider difficult will just become part of your daily work. You will be trained in all aspects of design and will follow an engineering discipline route. Typical projects you'll get involved with may consider how to deal with the UK's nuclear waste legacy or systems associated with a nuclear reactor. You will work on highly complex plant and equipment and as part of the team you will be supported all the way.

The role of designer in the nuclear industry is becoming even more important as this sector has many designers approaching retirement age. We need to exploit that experience whilst it is still available.

Nuvia is part of the international Nuvia Group; our parent, Soletanche Freyssinet, is a world leader in major engineering projects of all kinds. Visit www.nuvia.co.uk.

What are the benefits of doing an apprenticeship?

An apprenticeship offers on the job training, qualifications, excellent pay and good career prospects all in one go! You'll be gaining skills and qualifications which are recognised by employers all over the country, plus you'll be paid while you learn.

An apprenticeship, specifically in Nuclear Engineering Design, provides individuals with an opportunity of a robust career option for life and that's just for starters. Established designers who demonstrate self motivation, enthusiasm and real technical aptitude may then be selected to complete further education to degree level and thus advance in the industry as qualified Nuclear Engineers.

The demand for designers and engineers within the nuclear industry continues to increase and with 'new reactors' on the horizon the future is exciting. So, if the university route isn't for you, then this is a fantastic way to launch your career in engineering design.

Meet one of our Apprentices... Kevin.....

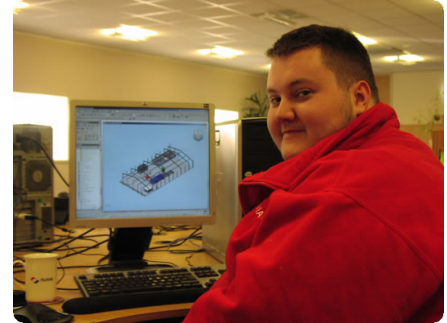
I am currently in my fourth year as an Apprentice Mechanical Designer with Nuvia. My first year was based full time at the North Highland College doing a HNC course in Engineering Systems.

Having achieved the Higher National Certificate (HNC) I then set my sights on working towards my Higher National Diploma (HND). These courses included many different subjects and branches of engineering such as computer aided mathematics, mechanical workshop skills (milling, turning and bench fitting), electrical workshop skills, electronics and many more.

I feel very lucky to be given the sponsorship and opportunity to achieve these qualifications. My work in the design office has been great. I have had a lot of chances to learn the skills and techniques used to operate the necessary programs, which are mainly AutoCAD and Inventor. I attended a 5 day Inventor course which I thoroughly enjoyed and learned many new things about the program.

I feel I am progressing well so far and have to say that I feel lucky and privileged to be given the chance to get a modern apprenticeship certificate.

My goals for the rest of my apprenticeship are to achieve the HND qualification, complete my level 3 NVQ and to put in all the effort I can to one day become a fully fledged designer with Nuvia.



Where will I do my training?

ETEC (Engineering, Technology, and Energy Centre) is the new state-of-the-art training facility recently opened within the campus of the North Highland College in Thurso. The new facility has up to date equipment and facilities to provide teaching in the latest engineering methods and techniques. ETEC will provide the first full year of the apprenticeship with a balanced mix of classroom and workshop based activities.

In the 2nd, 3rd and 4th years of the scheme you will be based within the Nuvia design office in Ormlie Industrial Estate, Thurso undergoing on-the-job training mentored by the experienced design engineering staff. You will continue to progress your academic study at ETEC on a day release basis.

What benefits will I receive?

You will be paid a good salary from year one with generous annual leave entitlement and contributory pension scheme. You'll also be working with an experienced team of engineers and designers who will support you throughout your training.

How does the programme work?

Nuvia has been training apprentices for several years both in Scotland and England, and continues to strive to develop the training program and experience to provide an excellent base for future Designers.

Typically the program works like this:

Year (Starting August)	Method of Study	What qualifications & experience can I gain?
Year 1	Full time in ETEC Learning activities based in both the classroom and workshops	SVQ Level 2 Performing Engineering Operations National Certificate in Engineering (1 st year) Outward Bound Course
Year 2 & 3	Full time in the Nuvia design office Day release to ETEC for continued academic studies	Start SVQ Level 3 Engineering Leadership National Certificate in Engineering (2 nd year) Familiarisation with Design Office protocols AutoCAD training increasing to a recognised level of Competence Quality Management Systems and development of good nuclear design practice Experience other Nuvia UK offices to develop learning opportunities Higher National Certificate in Engineering (start in 3 rd Year)
Year 4	Full time in the Nuvia design office Day release to ETEC for continued academic studies	Complete SVQ Level 3 Engineering Leadership Familiarisation with Design Office protocols Opportunities to learn 3-D Inventor Modelling Development into a functioning member of the design team Complete Higher National Certificate in Engineering

What do I need to do and how do I apply?

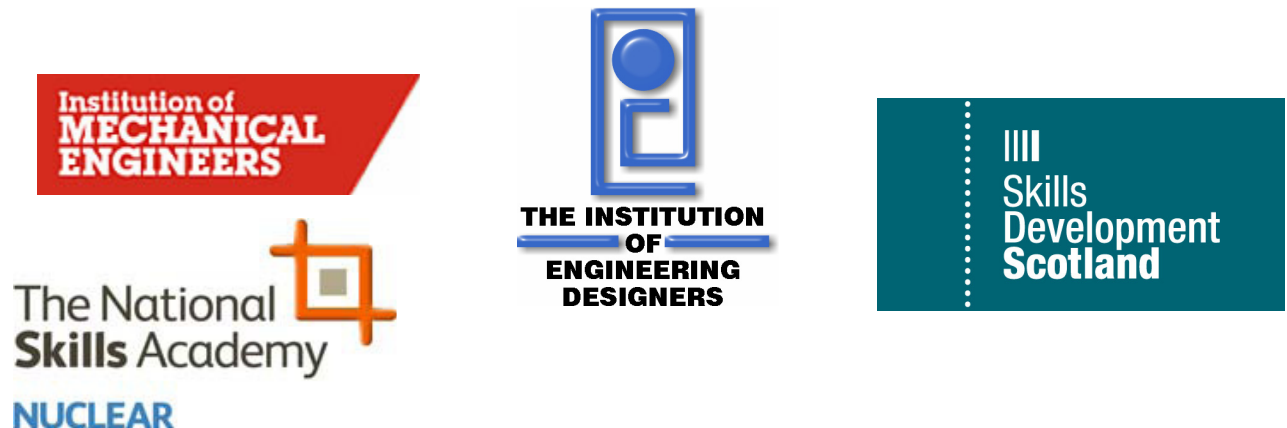
You will need to be striving for or have a minimum of 5 Standard Grades at level 3 or above, including English, Mathematics and a Science or Technical subject and you need to be computer literate.

To apply, simply e-mail your CV and covering letter to apprenticeships@nuvia.co.uk with the reference **ORM12**. In your covering letter include a personal statement to tell us why you are the right candidate for a Nuvia Apprenticeship (max 1000 words).

The closing date for applications is 02 March 2012.

If you are successful in getting through the first stage selection process, you'll be invited along to Nuvia for a friendly interview. Then the short-listed candidates will undergo an assessment day at the office in Thurso. Along the way you will have the chance to see where you'll be working and studying, and ask any questions about the Apprenticeship programme.

The scheme is being run in association with North Highland College UHI, who will provide the practical engineering training and the higher education technical training required to complete the Apprenticeship and is recognised by the national institutions below.



If you have any further questions about the apprenticeship scheme please email apprenticeships@nuvia.co.uk

We look forward to hearing from you soon!