

Engineering Design Degree Apprenticeship Programme



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What is Sellafield?

https://videos.gradcracker.com/2914/output/5b5999f955e4e_advanced.mp4

Where do you fit in?

- Sellafield site now needs cleaning up and returning to a green field site.
- To complete that mission, we need high quality Engineers.
- There is currently a huge shortfall of Engineers in the UK (and worldwide).
- So we need to produce our own.
- Through our apprenticeship programmes, you could be part of the “**Next Generation of Engineers**” delivering the Sellafield mission.



What is Sellafield?

- It is in West Cumbria.
- It is the largest and most technically challenging Nuclear site in Europe.
- It has been in existence since the early 1940's.
- It has produced ammunition, supported the nuclear deterrent programme, generated electricity and has reprocessed (cleaned up) spent fuel from all over the world.
- It is now home to amongst the largest stockpiles of untreated radioactive waste in the world.



Who are we?

- We are based in Warrington
- We are the Engineering Design Capability for Sellafield site.



What is an Engineering Design Degree Apprenticeship (EDDA)?

- It's a 5 Year programme
- Incorporates 9 pathways
 - Mechanical Engineering Design.
 - Electrical Engineering Design.
 - Civil/Structural Engineering Design
 - Digital Engineering Design
 - Operational Research
 - Safety Case Engineering (New)
 - Systems Engineering (New)
 - Conventional Safety (New)
 - Quality & Inspection (New)

Aims and Introductions

- What is the Engineering Design Degree Apprenticeship?
- What will I be doing?
- What do I need to consider?
- Where will my training be delivered?
- What qualifications will I obtain?
- What are the entry requirements?
- Rewards?
- Questions?

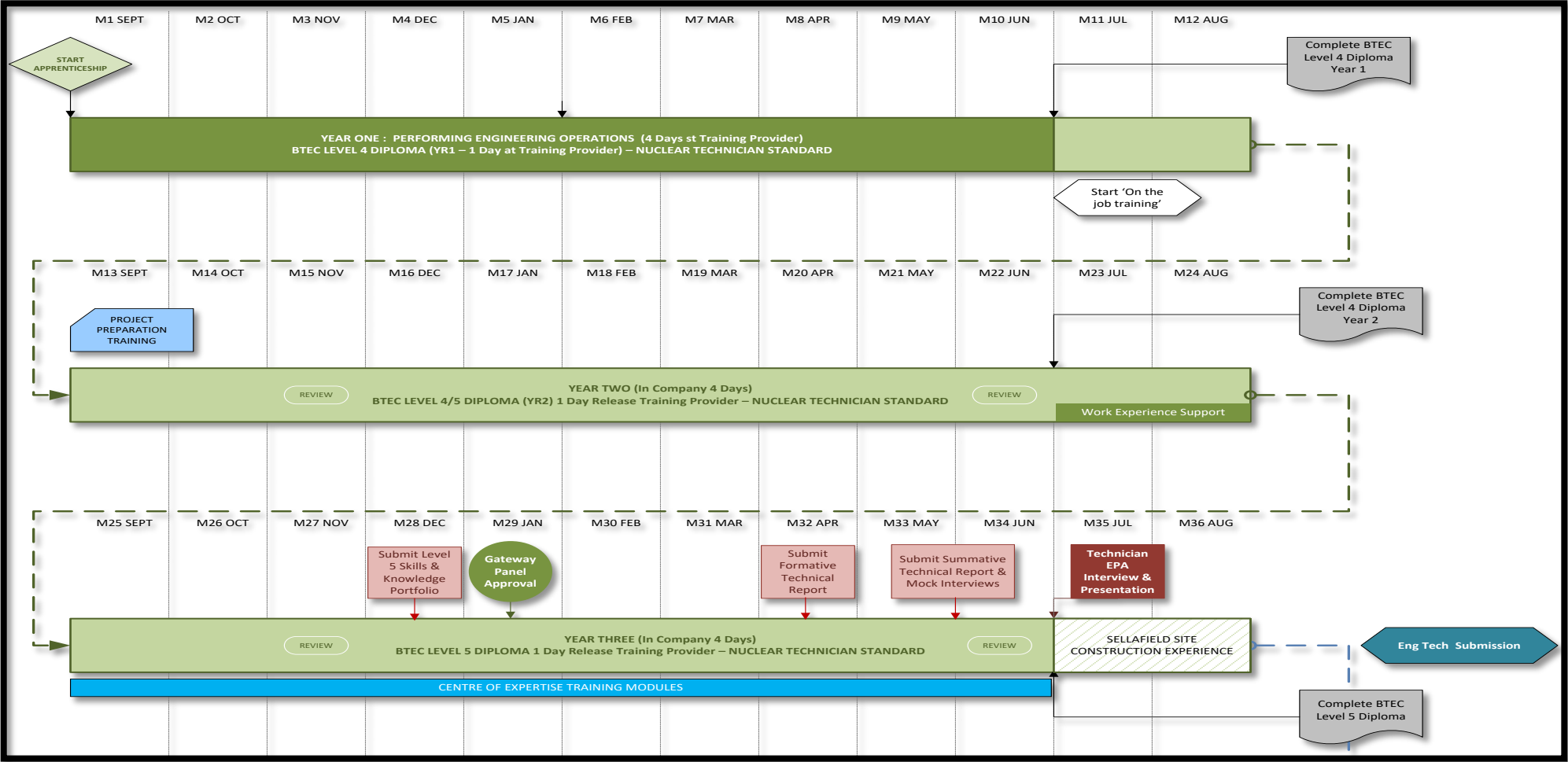


What is an Engineering Design Degree Apprenticeship (EDDA)?

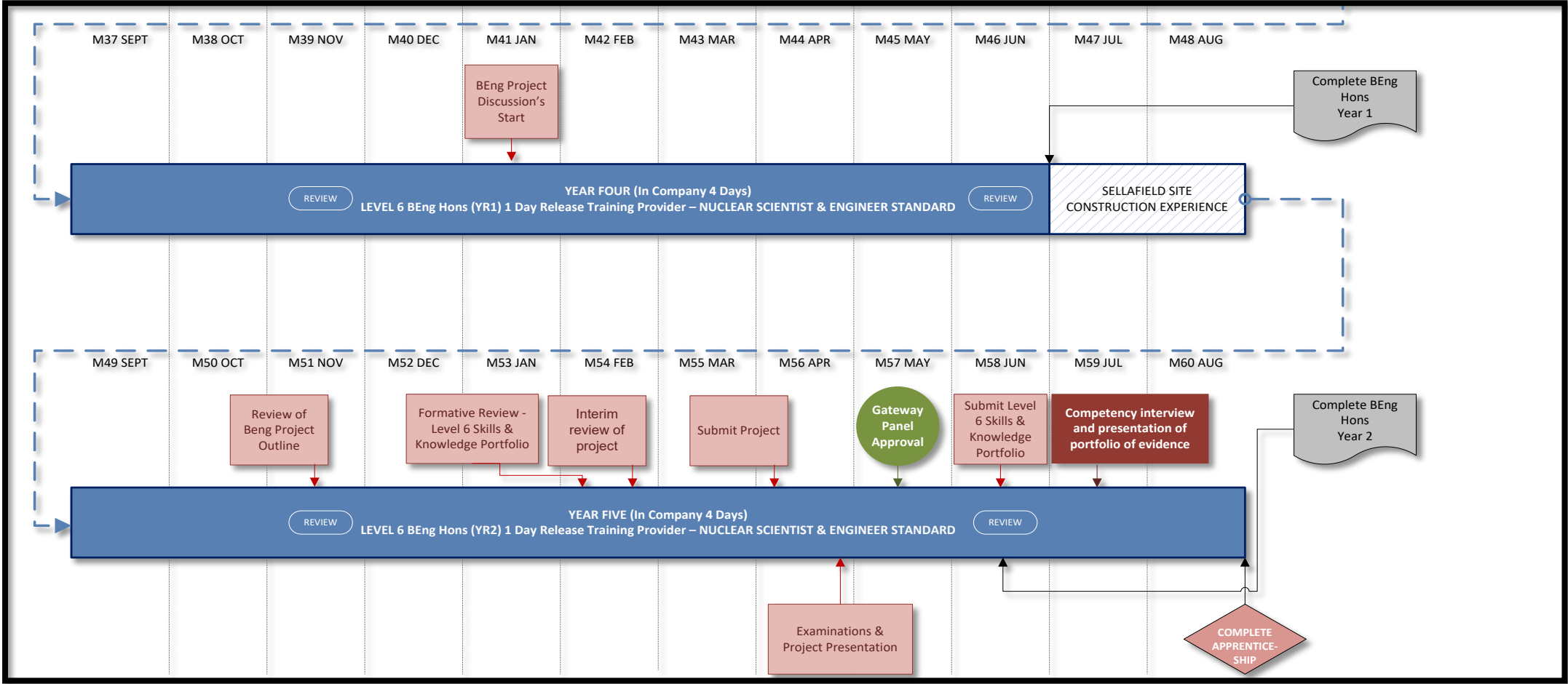
- It incorporates 2 apprenticeship standards:
 - Nuclear Technician Level 5 (ST0380)
 - Nuclear Scientist & Engineer Level 6 (ST0289)

Note: The EDDA programme is delivered in both W Cumbria & Warrington.

What will I be doing – Level 5 Engineering Technician?



What will I be doing – Level 6 Nuclear Scientist & Engineer?



What will I be doing (Level 5)?

- Year 1
 - 3 month Induction programme and PEO
 - Y1 of a HNC.
 - Full-Time at Training Provider.
- Year 2
 - 1 day at training provider completing Y2 of a HNC and commencing HND.
 - 4 days on the job training in the design offices.
- Year 3
 - 1 day at training provider completing HND.
 - 4 days on the job training in the design offices.
 - Opportunity to take part in the Site Exchange programme (6 weeks working at Sellafield).



What will I be doing (Level 6)?

- Year 4
 - 1 Day at training provider completing Y1 of a BEng Top-up degree.
 - 4 days on the job training in one of our local design offices.
- Year 5
 - 1 day at training provider completing Y2 of a BEng Top-up Degree.
 - 4 days on the job training in one of our local design offices.
 - Opportunity to take part in the Site Exchange programme (6 weeks working at Sellafield).



What do I need to consider?

Its tough.

- You will be holding down a full time job.
- You will be studying through to degree level.
- You will be gathering Skills, Knowledge and behavioural evidence aligned to the requirements of your specific apprenticeship standard.
- You will have 2 x End Point Assessment (independent competency interviews).

But worth it.

- You will earn as you learn.
- You will gain valuable on the job experience.
- You will have your degree paid for (no student debt).
- You will have opportunities to develop your future career pathway.
- You will have the opportunity to register for professional recognition with your chosen discipline (EngTech with the IET or IMechE)



Where will my training be delivered?

Sellafield Based: GEN II

Warrington Based: University Centre Wigan & Leigh College

What qualifications will I obtain?

Phase 1.

Level 5 ST0380 Nuclear Technician Apprenticeship

Level 5 Foundation Degree/ Higher National Diploma (HND) in Engineering or Science aligned to your chosen pathway

Phase 2. For candidates with the potential to progress further:

Level 6 ST0289 Nuclear Scientist and Nuclear Engineer Apprenticeship

Level 6 Bachelor's Degree in Engineering (BEng) or Science (BSc) aligned to your chosen pathway, over a further 2-year period.

What are the entry requirements?

- Minimum of 5 GCSEs at Grades 9 to 4 (Grades A* to C) including Mathematics, English Language and one Science or Engineering subject.
- Minimum of 96 UCAS points at A-Level / T-Level, STEM subjects preferred (e.g. Mathematics, Chemistry, Biology, Physics or Science) but not mandatory.
- Other Level 3 STEM qualifications may be considered.
- Vocational equivalents at level 3 or higher will also be considered as equivalent to UCAS points.
- If you do not have Mathematics at A Level then you must achieve a minimum of Grade 6 (Grade B) at GCSE.

Your Reward

Aside from working for a leader in the apprentice training field, you will also be rewarded with a salary, holiday allowances and bonus scheme.

Salary:

Year 1 – £22,126

Year 2 – £24,603

Year 3 – £26,996

Year 4 – £38,969

Year 5 – £42,501

Annual Leave:

You will receive an annual leave entitlement of 30 days based upon a full time working basis.

Annual Bonus Scheme:

You'll have the opportunity to benefit from an annual bonus, linked to company performance, of up to £4000

Application Process

- <https://careers.sellafielddsite.co.uk/graduates-placements/apprentices/risley-apprenticeships/>

Any Questions

