

Next Generation Nuclear Centre for Doctoral Training

The mission of the EPSRC Centre for Doctoral Training in Nuclear Fission - Next Generation Nuclear, is to develop future research leaders to support the UK's strategic nuclear programmes including nuclear legacy clean-up, new build power stations and, defence and security.

2014-2022: target of 80 PhD students

£5.7M from EPSRC, £4.8M from Industry, £5.7M from HEIs

8 Industry partners



Rolls-Royce

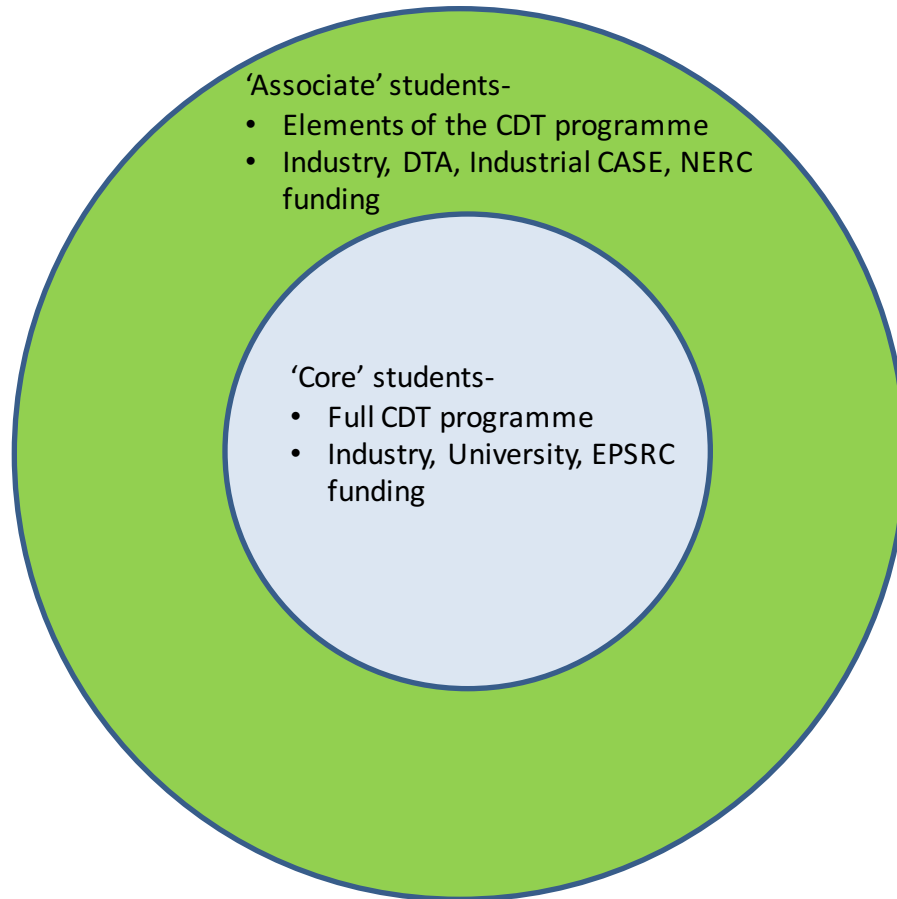


Three submission rounds for project proposals

- Industry partners suggest projects attached to half studentships; University partners provide match if of interest / have expertise
- University partners suggest projects attached to half studentships; Industry partners provide match if of interest / relevance
- University partners submit whole studentship projects

Management structure

- Joint IAB with ICO CDT
- NGN Strategy: Meetings of all HEI & non-HEI partners as required and annually at Winter School
- NGN Management: Meetings of 5 HEIs every 6 weeks by conference call and face-to-face every quarter
- Oversight of NGN student experience: panel of 3 externals (B'Ham, Strathclyde, NNL)



Bespoke taught programme

- No specific nuclear background required
- 12 weeks 'Introduction to Nuclear Energy'
- Business Games, Exercises, Case Studies
- Strong 'real life' contribution
- 6 months project specific training
- 36 months PhD research
- Steps towards SQEP status
- Co-supervision

Student numbers

- Total across Cohorts 1-3 – at least 56 students
- Cohort 1 (Oct 2014 intake) - 16 students
- Cohort 2 (Oct 2015 intake) - 19 students
- Cohort 3 (Oct 2016 intake) - at least 21 students, project adverts imminent
- Distribution: Lancaster 8; Leeds 9; Liverpool 9; Manchester 20; Sheffield 9

Working with other nuclear CDTs

- Joint Winter School with ICO: Jan 2015 & Jan 2016 (6-8 Jan in Birmingham)
- Joint International Advisory Board providing oversight across NGN & ICO
- Joint student 1-day meeting July 2015 (convened by ICO at Imperial)
- Joint fission/fusion event with both NGN/ICO and the fusion CDT, spring 2016
- Trial of 'Masterclasses' November 2015

For further information please see our website <http://www.nextgennuclear.manchester.ac.uk/> or contact us ngn@manchester.ac.uk /Tel.0161 275 1887