



AMRC Training Centre

8th December 2016

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Head of Operations – AMRC Training Centre

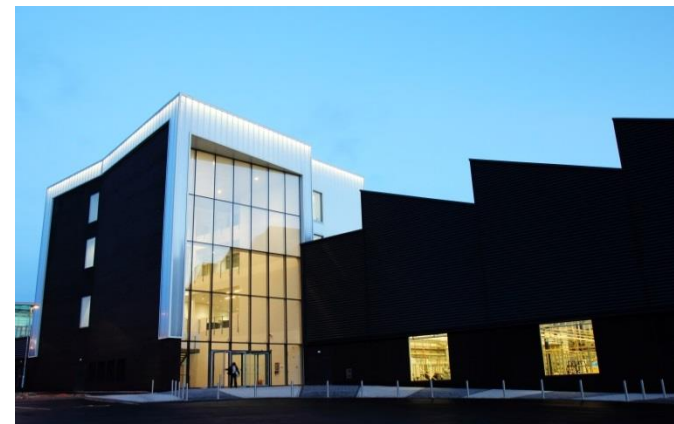


Introduction to AMRC-TC



The University of Sheffield AMRC Group is a centre of excellence for industry-focused machining and materials research.

The AMRC Training Centre forms part of this group and provides engineering focused training in practical and academic skills that manufacturing companies need to compete globally, from apprenticeship through to doctorate and MBA level.



The AMRC Background



- Firstly, how did it come about?

Established in 2001 the AMRC is recognised and respected as a global centre of excellence, and a model for research centres world wide.



“Sheffield University does more than teach students but also we can work with companies to add to the knowledge which will drive UK production and exports.”

Vice-Chancellor of the University of Sheffield
Professor Sir Keith Burnett (2015)



VCs view



https://www.youtube.com/watch?v=zD6TLgjK_-k



The AMRC Training Centre



- The AMRC Training Centre is a 60,00sqft purpose built training facility
- Centre funded by ERDF/RGF and University of Sheffield
- Industry engineering equipment set up to replicate “Real World” engineering manufacturing



Our Statistics



- 755 apprentices have been in learning with the AMRC Training Centre since it opened in October 2013
- 517 apprentices currently in training with AMRC Training Centre
- 70% of learners aged 16-18.
- 202 employers have apprentices in training, of which 80% are SMEs.
- Rigorous selection and recruitment process tailored to employer needs.
- Currently delivering at level 2, 3, 4 and 5



How we work with Industry



- Industry Advisory Board made up of employers who have apprentices in training at the AMRC.
- Briefings to employers on changes such as Trailblazer updates, Apprenticeship Levy – building trust.
- Provide information on further funding opportunities – Skills Bank
- Ensure opportunity to be involved in curriculum development, e.g. Manufacturing Technology Degree, current curriculum review.
- Business Development team (3) who work with employers to understand their requirements – not one size fits all.
- Offer Apprenticeship mentoring course to increase understanding of apprenticeship programmes.



External Links



- Part of the Aerospace Trailblazer Group.
- Member of GTA England.
- Board member of Higher Education Progression Partnership (HEPP) in Sheffield City Region.
- Board member for Doncaster UTC
- Work in collaboration with
 - Barnsley College – delivery of Technical Certificate at AMRC-TC, and delivery of Business Administration Apprenticeships
 - Sheffield Hallam – develop an offering on Higher Education across Sheffield City Region.
 - Sheffield UTC on STEM Agenda – UTC also part of our board

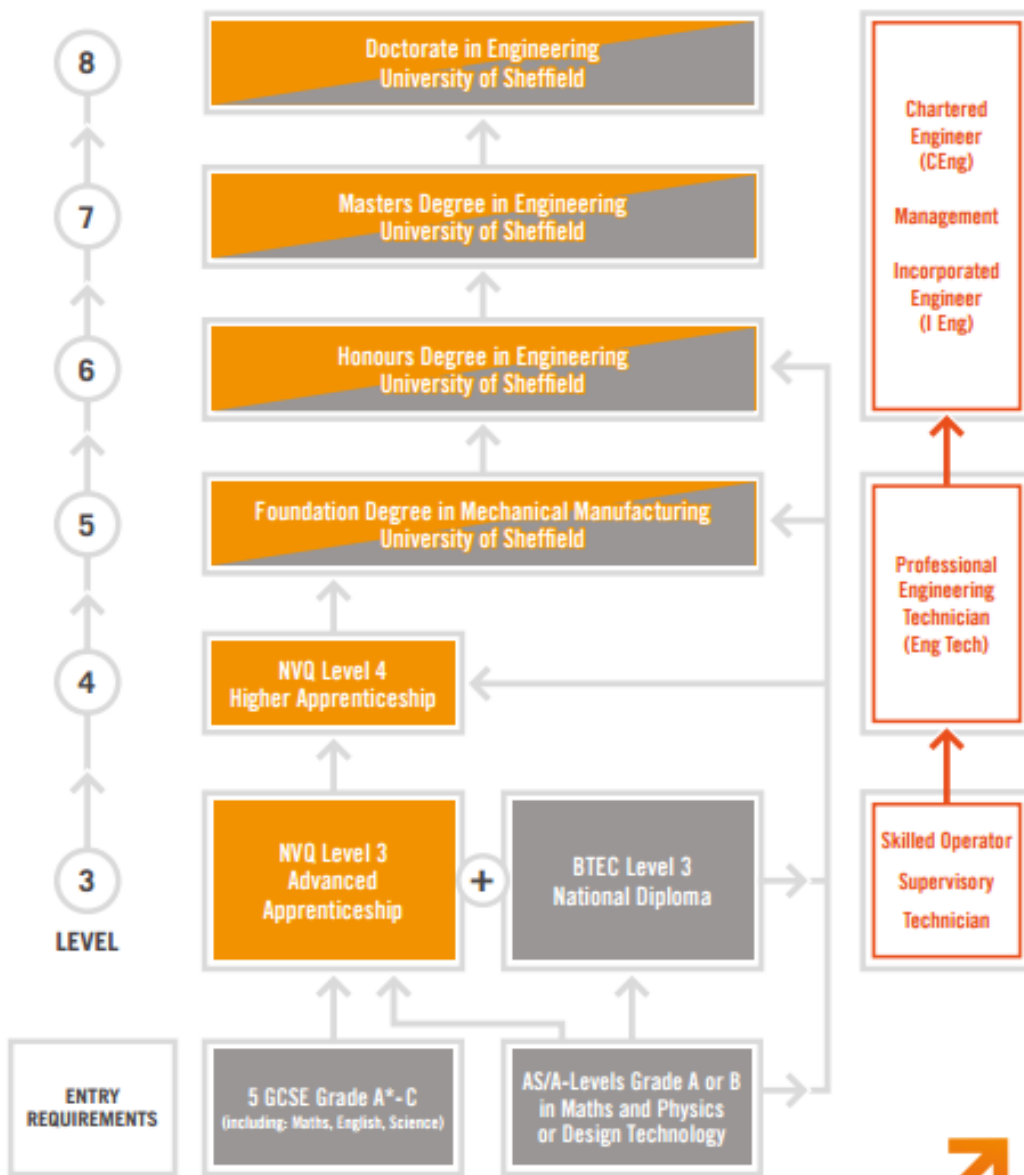


The Offer (Overview)



- **Education Suite** – Multiple programmes offered to 11 – 19 years to support knowledge development of the manufacturing sector – to enable talent pipeline growth under the STEM initiative (Science Technology Engineering and Maths)
- **Advanced Apprenticeship Scheme** – Unique multiple discipline scheme offering up to 4 years engineering and technology academic/practical skills. Moving towards delivering of apprenticeship standards from frameworks.
- **Foundation Degree** – Offers progression to full degree and then masters, can be studied as part of an a Degree Apprenticeship
- **Continuous Professional Development** – Multiple programmes offered that support learning for all levels of existing workforce. Programmes include Leadership, Continuous Improvement, Metallurgy Courses. Some of our programmes will fit as part of new apprenticeship standards.





Successful vocational education systems offer a clear pathway to HE (Cook, 2013)

There appears to be a lack of continuity between school age vocational education and Post-16 options (Tomlinson, 2004)

The AMRC TC aims to address these issues

Future Developments



- New Foundation Degree (FDEng) in Engineering Maintenance (Sept 2017)
- Top Up Degree (Beng) (Sept 2017)
- Continued Delivery of FDEng in Mechanical Manufacture and Manufacturing Technology
- University reviewing applicability of programmes to new standards
- All above programmes delivered by University of Sheffield AMRC-TC

Level 5 Foundation Degree and Higher Apprenticeship in Manufacturing Technology

The University of Sheffield
Engineering the Next Generation
AMRC TRAINING CENTRE

Entry requirements
Entry requirements for the higher apprenticeship / foundation degree are:
A level grade B or higher in Mathematics and Physical / Design Technology.
Or
BTEC Level 3 Diploma in Engineering grade MM or Level 3 Extended Diploma in Engineering grade MMM or higher.
Or
Level 3 Extended Diploma in Engineering.

Cost
The cost, to employers, of our Foundation Degree, on a stand-alone basis is £7,500 per year. Government funding is available towards this course if taken as part of a Higher Apprenticeship Programme.

Delivery model
This programme is delivered one day a week at the AMRC Training Centre and one day a month at the University of Sheffield.

How to find us
The AMRC Training Centre
Advanced Manufacturing Park, Off Highfield Spring, Caneville, Rotherham, S60 5BL.
We are located on the Advanced Manufacturing Park in South Yorkshire, just on the border of Sheffield and Rotherham. The AMP is just off E25 of the A1, and clearly signed from the first junction of Sheffield Parkway.

The Diamond, The University of Sheffield
32 Loovynova Rd, Sheffield, S3 7RD.
The University campus is on the western edge of the city centre and is easy to get to by car, bus and tram.

The AMRC Training Centre are pleased to announce New from September 2016

Level 5 Foundation Degree and Higher Apprenticeship in Manufacturing Technology

This new Foundation Degree is delivered by the University of Sheffield, based at the AMRC Training Centre and University of Sheffield, Diamond Building.

The Foundation Degree in Manufacturing Technology developed with employer input, utilises the latest learning technologies to support the students, not only inside, but outside the classroom using "Flipped Learning" techniques. Pre-recorded lectures and material which students will access remotely in advance of the assigned academic day to maximise the benefits of the face-to-face contact.

This programme combines the academic rigour and excellence of the University of Sheffield with the AMRC Training Centre's industrial and practical vocational application.

Find out more. For further information please contact:
T: 0114 222 9958 E: info@amrctraining.co.uk W: amrctraining.co.uk

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Questions

