

THE
SKILLS TO
SUCCEED

SOUTH YORKSHIRE INSTITUTE OF TECHNOLOGY

For further information about SYIoT and
our partners please visit www.syiot.ac.uk

SOUTH YORKSHIRE

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T	E	C	H	N	O	L	O	G	Y	

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INSTITUTES OF TECHNOLOGY

Located across England, Institutes of Technology (IoTs) provide education and training in STEM (Science, Technology, Engineering) based occupations to meet the needs of employers – regionally and nationally.

With courses designed and delivered with employers, and backed by £290 million government investment, each Institute of Technology (IoT) offers real-world learning experiences using industry-standard equipment to better prepare learners for the complexities of today's workplace.

There are 21 IoTs across the UK, geographically spread to cover key regions where an increased higher technical skills base will impact on the region.

Institutes of Technology represent the height of technical training. By uniquely bringing together further education colleges, universities and businesses, they ensure people can get the skills they need to progress into higher-skill, higher-wage jobs, and that employers get the talented workforce they need to thrive.

An IoT is a collaboration between further education (FE) providers, universities and employers.

- They specialise in delivering higher technical education with a focus on STEM subjects such as engineering, digital and construction.
- An IoT will focus on specific technical skills needs required in our area. They provide employers with a skilled workforce and students with a clear route to employment.

For more information visit: www.syiot.ac.uk



SOUTH YORKSHIRE INSTITUTE OF TECHNOLOGY

At South Yorkshire Institute of Technology, our partnership is built on high-quality education provision and strong employer relationships. We develop and deliver training and qualifications that meet regional needs, offering higher-level technical programmes, apprenticeships and bespoke training to prepare young people for work, adults to re-enter the labour market, adults to progress in the workplace, and employers to upskill staff.

We are committed to developing the talent and skills in the region to support change within industries and to help develop a dynamic, technology-driven economy.



SYIoT PARTNERS

SYIoT partners work collaboratively, sharing our skills and expertise to ensure that each partner is well placed to deliver the skills, knowledge, training and education that meets regional needs.

Our provision is employer led, which means that our offer meets local employers' needs and is focused on meeting current and future needs.

All partners work with a large employer base as well as other key stakeholders who influence our offer. Employers work with us to design and develop provision – that could be for programmes for their own organisation or to ensure that our open courses meet broader sector needs.

SYIoT consists of key higher and further education partners from the region and core employers who support SYIoT directly.

SPECIALISMS

- Healthcare
- Science
- Engineering and Manufacturing Technologies
- Construction, Planning, and the Built Environment
- Digital Technologies
- Creative Arts and Design

SYIoT PARTNERS

Barnsley College

DN Colleges Group

RNN Group

Sheffield Hallam University

The Sheffield College

The University of Sheffield
AMRC Training Centre



SYIoT OFFER



IoT are focused on higher level education, particularly at Level 4 and 5 which includes:

- Higher National Certificates/Diplomas (HNC/D)
- Higher Technical Qualifications (HTQs)
- Foundation Degrees (Fds)
- Apprenticeships
- Industry qualifications
- Units of qualifications
- Bespoke training – short impactful provision
- Non-accredited courses, for example, a one-day course

We also have provision at Level 3 (College) and Level 6 (degree) as development and progression opportunities.

If a course you are interested in is not listed then still contact your local provider. Our provision is updated and added to during the year in response to local demand. Many of our short courses in particular are available flexibly throughout the year.

If you are not sure what you are interested in or course titles may not provide you with all the information you need, then again just contact a local SYIoT partner and ask for their support.



HIGHER TECHNICAL QUALIFICATIONS



“ I chose the College to study my apprenticeship because the Level 3 Laboratory Technician Apprenticeship course is not widely offered, so when the opportunity became available, I applied and was fortunate to be accepted.

SUMMER HYDES, LEVEL 3 LABORATORY TECHNICIAN APPRENTICE AT THE UNIVERSITY OF SHEFFIELD



Levels

8	Doctorate					
7	Masters					
6	Undergraduate Degree			Higher Apprenticeships	Degree Apprenticeships	Training provider certificated short courses/ non-accredited training (not qualifications but set at an educational level relevant to the topic/s)
5		Foundation Degree	Higher National Diploma (HND)* or DipHE			
4		Foundation Award	Higher National Certificate (HNC)* or CertHE			
3	A Level	Diploma, Advanced Diploma	*New versions are higher technical qualifications	Advanced Apprenticeships		
2	GCSE			Intermediate Apprenticeships		

EMPLOYER PARTNERS

SYIoT works with over 5000 employers across the sectors, including micro businesses through to multinational organisations. It is critical to our success that our training and education is current, flexible, relevant and focused on the key skills and knowledge South Yorkshire needs.

We welcome engagement with employers and our relationships with employers underpin what we offer. Employers' relationships vary from simply booking places on courses through to developing a deeper partnership; which helps influence and shape our provision.

Employers can get involved but at a level that suits the time, commitment and requirements you have. This may include:

- Joining our employer groups
- Attending our events
- Working with SYIoT partners to identify potential recruits including apprentices
- Offering work placements for students – this can be flexible to ensure it adds value for both the employer and student
- Working with your local provider/s to influence and design our offer
- Delivering guest lectures, practical workshop skills, employer or sector-based talks, site visits, employability support such as mock interviews for our students
- Offering projects that students could carry out – support your organisation by delivering a project and also support development of students' skills and knowledge

Provision is aimed at ensuring we meet employers local needs:

- Upskilling, reskilling or multiskilling local employers managers and staff, particularly technical teams
- Education and training to support progression in the workplace
- Qualifying staff to meet industry requirements

We are a unique regional partnership, offering a one-stop shop for employers to access education and training in key regional sectors. With a strong track record of working with organisations of all sizes – from multinational companies to local SMEs, our industry-experienced professionals can help you to upskill existing staff or provide you access to a new talent pool that has the skills you need. By contacting us, we ensure 'one door' gives access to the expertise across our partnership. Don't spend time searching - contact us to find out more.



SYIoT'S OFFER FOR INDIVIDUALS

For individuals we offer education and training:

- To help individuals secure employment
- To help people re-enter the workplace by achieving industry recognised training and qualifications
- To support progression in the workplace
- To retrain and requalify for a different career

Students are usually juggling home life and/or work life with their education so it is important that partners can offer flexible provision wherever possible to meet your needs. Ask us about how our courses are delivered – times, days, online versus coming in to study – and you may be surprised how flexible it can be.

Some potential students may be confident about taking that next step, but we also understand that you may need reassurance and support and that is not unusual. Our staff are used to working with people who may feel unsure and our role is to help you settle in, get used to learning again and providing support if you need it.

At SYIoT you can benefit from:

- Close links with employers, creating recruitment and progression opportunities in the STEM sector
- Better career prospects and earning potential
- Learning the specialist skills needed by employers in your region now and in the future
- Learning from our staff who have extensive industry experience for relevant and applicable knowledge and skills for the workplace
- Flexible full-time and part-time course options to suit your work and life commitments
- Affordable courses to help you achieve the qualifications you are aiming for
- A portfolio of courses delivered at different sites around South Yorkshire and online for ease of access



FLEXIBILITY

For many of our qualifications, we also offer individual units in isolation. You may not require the full qualification but specific content or units would meet your needs, so just contact the relevant SYIoT partner to discuss this further.

Many of our employers and students are subject to demands that mean flexibility is critical to access learning. Shift work, employment, caring for family members, can all impact on individuals being able to attend and employers being able to release them. Wherever possible we try to be flexible offering full-time and part-time options and looking for opportunities including online learning to improve access.



SYIOT COURSE LISTING

Although several providers may offer the same qualification, please note they may offer different subject areas. There will usually be mandatory subjects but also usually optional topics which the provider can choose to deliver.

At Level 4/5 there are often options to study for individual units or to access the learning and development without the certification, particularly where it is very specific skills and knowledge required rather than a broad qualification. Just ask your local provider and they can discuss the options available.

HOW TO ENQUIRE AND APPLY ►

All the courses available at SYIoT are listed in this guide along with the location they are available. Simply visit the providing partner's website for more information about the course you are interested in, and enquire or apply directly to your chosen course.

ENGINEERING

PROVIDER	LEVEL	PROGRAMME
	3	Installation and Maintenance Electrician Apprenticeship
	3	Maintenance and Operations Engineering Technician Apprenticeship
	4	Automation and Control Engineering Technician Higher Apprenticeship
	4	Automation and Controls Engineering Technician Higher Apprenticeship
	4	BTEC Higher National Certificate in Engineering
	4	Electro pneumatic control systems course
	4	Engineering Manufacturing Technician Higher Apprenticeship
	4	HNC Electrical and Electronic Engineering HTQ
	4	HNC Engineering (Mechanical Engineering)
	4	HNC in Engineering for England HTQ
	4	HNC Engineering HTQ
	4	HNC Engineering HTQ
	4	HNC Engineering
	4	HNC Manufacturing HTQ
	4	HNC Manufacturing Operations
	4	HNC Mechanical Engineering HTQ
	4	Introduction to Automation course
	4	Lead Engineering Maintenance Technician Higher Apprenticeship
	4	Pneumatic Controls Course
	4	Process Leader Higher Apprenticeship
	5	HND in Engineering for England HTQ
	6	BEng (Hons) Electrical and Electronic Engineering Technician Degree Apprenticeship
	6	BEng (Hons) Materials Technology Degree Apprenticeship
	6	BEng (Hons) Railway Engineering - Electrical and Mechanical Pathway Degree Apprenticeship
	6	BEng (Hons) Railway Engineering - Signalling Telecomms Route Degree Apprenticeship
	6	BEng (Hons) Railway Engineering - Track Engineering Degree Apprenticeship
	6	BEng (Hons) Railway Engineering - Civil Engineering Route Degree Apprenticeship
	6	BSC (Hons) Packaging Professional Degree Apprenticeship
	6	Control/Technical Support Engineer Higher Apprenticeship
	6	Manufacture Engineer Higher Apprenticeship
	6	Nuclear Scientist and Nuclear Engineer Degree Apprenticeship
	6	Product design & development engineer Higher Apprenticeship
	6	Tool Process Design Engineer Higher Apprenticeship

- Barnsley College
- DN Colleges Group
- RNN Group

- Sheffield Hallam University
- The Sheffield College
- The University of Sheffield
AMRC Training Centre

EVA WROE

“THE PROSPECT OF EARNING MONEY WAS ALSO INFLUENTIAL WHEN DECIDING MY NEXT STEPS.”

“I have always wanted a degree and I knew a practical approach would be much better suited for me. Everything I learned on my course was reinforced at work.

As an apprentice I get the opportunity to work on a range of projects and the chance to work with a variety of people is invaluable experience.

You learn so much from experienced engineers, about working life and professional skills and get to graduate with no student debt, a full-time job and years of experience.”











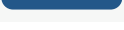

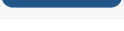
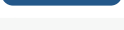

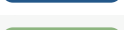



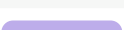

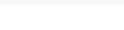









EVA WROE
MECHANICAL ENGINEER
THE UNIVERSITY OF SHEFFIELD AMRC TRAINING CENTRE



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CONSTRUCTION

PROVIDER	LEVEL	PROGRAMME
	3	Plumbing and Domestic Heating Technician Apprenticeship
	3	T-Level Building Services Engineering for Construction
	3	T-Level Design, Surveying and Planning for Construction
	4	Building Information Modelling (Unit 13)
	4	Digital applications for Construction Information (Unit 6)
	4	Civil Engineering Senior Technician Higher Apprenticeship
	4	Construction Design and Build Technician Higher Apprenticeship
	4	Construction Quantity Surveying Technician Higher Apprenticeship
	4	Construction Site Supervisor Higher Apprenticeship
	4	Higher National Certificate in Civil Engineering
	4	HNC Building Services
	4	HNC Construction and the Built Environment (civils)
	4	HNC Construction Design and Build Management HTQ
	4	HNC Construction Management (Site Supervisor)
	4	HNC Construction Management for England (design & build)
	4	HNC in Construction Management for England HTQ
	4	HNC Construction Management for England
	4	HNC Modern Methods of Construction HTQ
	4	HNC in Modern Methods of Construction HTQ
	4	HNC Quantity Surveying for England HTQ
	4	HNC in Quantity Surveying for England HTQ
	4	HNC in Site Supervision HTQ
	5	HND in Modern Methods of Construction HTQ
	5	HND Modern Methods of Construction HTQ
	6	BSC (Hons) Professional Practice in Architectural Technology and Design Management Degree Apprenticeship
	6	BSC (Hons) Professional Practice in Construction Quantity Surveying Degree Apprenticeship
	6	BSC (Hons) Professional Practice in Construction Site Management Degree Apprenticeship
	6	BSC (Hons) Professional Practice in Research and Development in Quantity Surveying Degree Apprenticeship
	6	Geospatial and Mapping Science Specialist Degree Apprenticeship
	Barnsley College	
	DN Colleges Group	
	RNN Group	
	Sheffield Hallam University	
	The Sheffield College	
	The University of Sheffield AMRC Training Centre	



**SHAND
ALI**

“SHAND HOPES TO GO ONTO
SHEFFIELD HALLAM UNIVERSITY
THEN INTO TEACHING”

Shand, who came onto this course via the English as a Second Language Department, is another outstanding student with an excellent work ethic. He works as a part time lecturer for the RNN Group support with FE learners and is another great role model for the learners and the department. He hopes to go onto Sheffield Hallam University then into Teaching whilst continuing to work part time here.

SHAND ALI









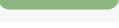

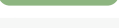
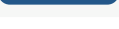
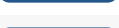
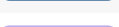
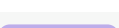


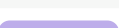










ACCESS TO HE COMPUTING
BARNSELY COLLEGE

SOUTH YORKSHIRE

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DIGITAL

PROVIDER	LEVEL	PROGRAMME
	3	Software Development Technician Apprenticeship
	3	Digital Marketer Apprenticeship
	3	Information Communications Technician Apprenticeship
	3	National Foundation Diploma in Computing
	3	T-Level Digital Production, Design and Development
	4	Data Analyst Higher Apprenticeship
	4	Data Analyst Higher Apprenticeship
	4	Diploma Data Analysis HTQ
	4	Digital Technology Unit – Cyber security
	4	Digital Technology Unit – Networking
	4	Digital Technology Unit – Software development
	4	Digital Technology Unit – Website design and development
	4	FdA Games Development
	4	HNC Computing for England HTQ
	4	HNC Computing and Systems Development HTQ
	4	HNC Digital Technologies (Cybersecurity)
	4	HNC Digital Technologies HTQ (Data Analytics)
	4	HNC Digital Technologies HTQ (Software Development)
	4	HNC Digital Technologies HTQ (Cyber Security Technologist)
	4	HNC Digital Technologies HTQ (Software Development)
	4	Software Developer Higher Apprenticeship
	4	Software Development Technician Higher Apprenticeship
	5	FdA in Games Design
	5	HND Computing for England HTQ
	5	HND Computing and Systems Development HTQ
	6	BA (Hons) Creative Digital Design Professional Degree Apprenticeship
	6	BA (Hons) in Games Development and Visual Effects
	6	BA Digital Media Production
	6	BA Game Art
	6	BA Game Design and Development
	6	Digital User Experience (UX) Professional Degree Apprenticeship
	Barnsley College	
	DN Colleges Group	
	RNN Group	
	Sheffield Hallam University	
	The Sheffield College	
	The University of Sheffield AMRC Training Centre	

LAYLA KETTLEWELL



“LAYLA HOPES TO TEACH AT
RNN GROUP IN THE FUTURE.”

Layla is an outstanding student with a strong work ethic. She joined the course after completing GCSEs and an access to HE course, and has been excelling in academia. She also volunteers in the FE computer setting supporting younger learners and is a great role model. She hopes to teach at RNN Group in the future.

LAYLA KETTLEWELL

LEVEL 5 BSC COMPUTING AND SYSTEMS DEVELOPMENT
BARNSELY COLLEGE



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HEALTH


PROVIDER LEVEL PROGRAMME

PROVIDER	LEVEL	PROGRAMME
	4	Lead Practitioner in Adult Care Apprenticeship
	4	CertHE Professional Practice Health & Social Care
	4	HNC Health Science Professions HTQ
	4	Cert HE in Professional Practice in Health and Social Care
	5	Fdsc Professional Practice Health & Social Care HTQ
	5	Foundation Degree in Health and Social Care
	5	Leader in Adult Care Apprenticeship
	6	BSC (Hons) Diagnostic Radiography Degree Apprenticeship
	6	BSC (Hons) Healthcare Science (Cardiovascular and Respiratory Sciences) Degree Apprenticeship
	6	BSC (Hons) Occupational Therapy Degree Apprenticeship
	6	BSC (Hons) Operating Department Practice Degree Apprenticeship
	6	BSC (Hons) Physiotherapy Degree Apprenticeship
	6	BSC (Hons) Therapeutic Radiography Degree Apprenticeship


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 DN Colleges Group

 RNN Group

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DEMI DARBY

“MY FAVOURITE THING ABOUT STUDYING AT THE SHEFFIELD COLLEGE WAS THE PLACEMENT OPPORTUNITIES.”

Demi completed her studies alongside being a young carer and graduated with a Foundation Degree in Professional Practice in Health and Social Care.

“I am so pleased that all the hard work has paid off thanks to the support from The Sheffield College. Being a young carer, it was difficult to manage my studies.”

Demi is now pursuing further study at Sheffield Hallam University to achieve her dream of becoming a paramedic.

DEMI DARBY

FDSC PROFESSIONAL PRACTICE IN HEALTH AND SOCIAL CARE GRADUATE
THE SHEFFIELD COLLEGE





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SCIENCE


PROVIDER	LEVEL	PROGRAMME
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	5	FdSc Medical Bioscience
	5	FdSc in Animal Welfare Science

 Barnsley College

 DN Colleges Group

 RNN Group

 Sheffield Hallam University

 The Sheffield College

 The University of Sheffield
AMRC Training Centre



LEON WILLIAMSON

“MY CAREER
AMBITION IS TO
BECOME A REPORTING
RADIOGRAPHER.”

Leon is a first-year Diagnostic Radiography apprentice at Sandwell and West Birmingham NHS Trust. He is currently studying a BSc (Hons) Diagnostic Radiography higher and degree apprenticeship course at Sheffield Hallam University, a partner of the South Yorkshire Institute of Technology. The prospect of earning money was influential when deciding his next steps.



LEON WILLIAMSON

BSC (HONS) DIAGNOSTIC RADIOGRAPHY HIGHER AND DEGREE APPRENTICESHIP
SHEFFIELD HALLAM UNIVERSITY







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CREATIVE ARTS AND DESIGN


PROVIDER LEVEL PROGRAMME

	5	FdA Illustration and Concept Art
	5	HND Animation
	5	HND Games Development
	6	BA (Hons) Fine Art and Crafts
	6	BA (Hons) Graphic Design
	6	BA (Hons) in Illustration and Concept Art


 Barnsley College

 DN Colleges Group

 RNN Group

 Sheffield Hallam University

 The Sheffield College

 The University of Sheffield
AMRC Training Centre

Definitions:

BA (Hons)	Bachelor of Arts (Honours)
BSC (Hons)	Bachelor of Science (Honours)
BEng (Hons)	Bachelor of Engineering (Honours)
FdSc	Foundation Degree in Science
FdA	Foundation Degree Award
HNC	Higher National Certificate
HND	Higher National Diploma
CERTHE	Certificate of Higher Education

TALEB CHERIF

Taleb Cherif is studying a Foundation Degree in Graphic Design at University Centre Rotherham. Taleb has been praised for being one of the most committed students in graphic design, especially as he is always wanting to improve upon his work.

Taleb inspires all of the other students who see first-hand that having a 'can do' attitude to life can get you a long way; he is a shining example to the students who have been encouraged to push themselves in this ever-changing world of graphic design.

Sheffield Hallam University has worked in partnership with RNN Group to recognise students studying a Sheffield Hallam Award at RNN Group, celebrating the difference individuals have made to their fellow students, staff, local community and beyond.

TALEB CHERIF
FOUNDATION DEGREE IN GRAPHIC DESIGN
UNIVERSITY CENTRE ROTHERHAM



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ABOUT SYIoT



The South Yorkshire Institute of Technology (SYIoT) went live in September 2023. Backed by over £21 million in funding from the Department for Education and partners, the establishment of SYIoT in South Yorkshire marks a significant milestone for the region, kite-marking the high-quality, higher-level technical education and training provision in the region. One of only twenty-one IoTs nationally, this is a major investment and recognition of the region's higher education provision.

OUR LOCATIONS

1. BARNSELEY COLLEGE
2. DN COLLEGES GROUP
3. RNN GROUP
4. SHEFFIELD HALLAM UNIVERSITY
5. THE SHEFFIELD COLLEGE
6. THE UNIVERSITY OF SHEFFIELD AMRC TRAINING CENTRE



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ROTHERHAM COLLEGE**

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GRANVILLE ROAD, SHEFFIELD
S2 2RL

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0114 260 2600

**UNIVERSITY OF SHEFFIELD
AMRC TRAINING CENTRE**

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0114 222 9958

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CLICK HERE TO VISIT
OUR HOMEPAGE



OUR INDUSTRY & ACADEMIC PARTNERS



DN COLLEGES GROUP



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