

RECOGNITION LIST

ENGINEERING

RECOGNITION LIST

City & Guilds is a leading vocational education organisation, with over 135 years of experience in providing skills solutions for future career progression.

We work with employers and training providers in 80 countries to meet the needs of today's industries and we are proud that our offer is often regarded as the benchmark for workplace excellence.

Since 1878, millions of learners have used a City & Guilds qualification as a stepping stone to a new job. For many, our qualifications also lay the foundation for future learning and development including progression into higher education or towards achieving a professional certification.

The recognition list highlights some of these opportunities in the engineering sector. We hope these examples will inspire individuals around the world to continue learning new skills and help them transform their lives.

GOVERNMENT p5

HIGHER EDUCATION p11

PROFESSIONAL REGISTRATION p25

EUROPASS p29

INTRODUCTION

Organisations featured in this document are examples of institutions that recognise the following qualifications, as shown in their individual statement:

- Engineering (2850)
- Telecommunication Systems (2730)
- Higher level engineering qualifications:
 - Level 4 Diplomas in Engineering (9209)
 - Level 5 Advanced Technician Diplomas in Engineering (9209)
 - Level 6 Graduate Diplomas in Engineering (9210)
 - Level 7 Post Graduate Diplomas in Engineering (9210)

Keys

 Certificate (2850)

 Certificate (2850)

 Diploma (2850)

 Diploma (2850)

 Certificate (2730)

 Diploma (2730)

 Advanced Technician Diploma (2730)

 Diploma (9209)

 Advanced Technician Diploma (9209)

 Graduate Diploma (9210)

 Post Graduate Diploma (9210)

R V SAMITH RAJAPAKSHA
WINNER
INTERNATIONAL LEARNER
OF THE YEAR
LION AWARD 2014

Samith completed a Level 2 IVQ Technician Diploma in Telecommunication Systems before joining Sri Lanka Telecom, as a trainee. A two-hour commute from a remote village in Sri Lanka never discouraged him from attending his training. To fund his course, he worked several part-time jobs which included farming in the paddy fields with his father.

His work, both at the training centre and then at Sri Lanka Telecom, has always been at a high standard and he progressed rapidly. Upon joining the company, he was soon allowed to perform tasks that were normally reserved for advanced technicians.

Samith is passionate about teaching others what he knows. While completing his studies, he produced a basic handbook for telecom technicians and gave it to his classmates to help them prepare for their exams. Today, he delivers lectures to students at the training centre where he obtained his City & Guilds qualification.

Samith's story is a shining example of how learning skills can help to transform lives. And transforming lives is what City & Guilds is about.



INTRODUCTION

KEYS EXPLAINED

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician
Diploma



Diploma



Advanced Technician
Diploma



Graduate Diploma

Engineering (2850)



Level 1 Certificate in Engineering (2850-80)



Level 2 Certificate in Engineering

- Manufacturing Technology (2850-81)
- Maintenance Technology (2850-82)
- Fabrication and Welding Technology (2850-83)
- Electrical and Electronics Technology (2850-84)



Level 2 Diploma in Engineering

- Manufacturing Technology (2850-51)
- Maintenance Technology (2850-52)
- Fabrication and Welding Technology (2850-53)
- Electrical and Electronics Technology (2850-54)



Level 3 Diploma in Engineering

- Welding (2850-85)
- Fabrication (2850-86)
- Fabrication and Welding (2850-87)
- Maintenance, Installation and Commissioning (2850-88)
- Mechanical Manufacturing Engineering (2850-89)
- Electrical and Electronic Engineering (2850-90)

Telecommunication Systems (2730)



Level 2 Certificate in Telecommunication Systems (2730-12)



Level 3 Diploma in Telecommunication Systems (2730-13)



Level 5 Advanced Technician Diploma in Telecommunication Systems (2730-03)

Engineering (9209)



Level 4 Diploma

- Mechanical Engineering (9209-01)
- Electrical and Electronic Engineering (9209-02)
- Civil Engineering (9209-03)



Level 5 Advanced Technician Diploma

- Mechanical Engineering (9209-11)
- Electrical and Electronic Engineering (9209-12)
- Civil Engineering (9209-13)

Engineering (9210)



Level 6 Graduate Diploma

- Mechanical Engineering (9210-01)
- Civil Engineering (9210-01)
- Electrical Engineering (9210-01)
- Electronic and Telecommunication Engineering (9210-01)
- Information Technology (9210-01)



Level 7 Post Graduate Diploma

- Mechanical Engineering (9210-02)
- Civil Engineering (9210-02)
- Electrical Engineering (9210-02)
- Electronic and Telecommunication Engineering (9210-02)
- Information Technology (9210-02)

This section outlines how the international engineering qualifications are recognised within national qualifications frameworks or accepted by government agencies and other regulatory authorities.



GOVERNMENT RECOGNITIONS

GOVERNMENT RECOGNITIONS

ENGINEERING

England

The Office of the Qualifications and Examinations Regulation (Ofqual)

register.ofqual.gov.uk/

The engineering qualifications (2850) are accredited on the Qualifications and Credit Framework (QCF).

The level in the qualification title shows the QCF level that each qualification is accredited at.

The qualification number is the qualification accreditation number (*).

Ofqual regulates qualifications, examinations and assessments in England and vocational qualifications in Northern Ireland.

Ofqual sets the standards of qualifications and ensures that these standards are delivered. Ofqual also checks that bodies that award qualifications meet regulatory requirements.

Accredited qualification title	CG no.	Qual. no.*
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 Level 1 Certificate in Engineering	2850-80	600/0879/9
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 Level 2 Certificate in Engineering		
- Manufacturing Technology	2850-81	600/0880/5
- Maintenance Technology	2850-82	600/0880/5
- Fabrication and Welding Technology	2850-83	600/0880/5
- Electrical and Electronics Technology	2850-84	600/0880/5

 Level 2 Diploma in Engineering		
- Manufacturing Technology	2850-51	600/0881/7
- Maintenance Technology	2850-52	600/0881/7
- Fabrication and Welding Technology	2850-53	600/0881/7
- Electrical and Electronics Technology	2850-54	600/0881/7

Accredited qualification title	CG no.	Qual. no.*
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 Level 3 Diploma in Engineering		
- Welding	2850-85	600/0882/9
- Fabrication	2850-86	600/0882/9
- Fabrication and Welding	2850-87	600/0882/9
- Maintenance, Installation and Commissioning	2850-88	600/0882/9
- Mechanical Manufacturing Engineering	2850-89	600/0882/9
- Electrical and Electronic Engineering	2850-90	600/0882/9

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

GOVERNMENT RECOGNITIONS

HIGHER LEVEL ENGINEERING

The Office of the Qualifications and Examinations Regulation (Ofqual)

register.ofqual.gov.uk/

The engineering qualifications at levels 4 and 5 (9209) are accredited on the National Qualifications Framework of England, Wales and Northern Ireland (NQF).

The level in the qualification title shows the NQF level that each qualification is accredited at.

The qualification number is the qualification accreditation number (*).

The engineering qualifications at levels 6 and 7 (9210) have been developed using the NQF level descriptors.

Ofqual regulates qualifications, examinations and assessments in England and vocational qualifications in Northern Ireland.

Ofqual sets the standards of qualifications and ensures that these standards are delivered. Ofqual also checks that bodies that award qualifications meet regulatory requirements.

Qualification title	CG no.	Qual. no.*
 Level 4 Diploma		
- Mechanical Engineering	9209-01	601/5555/3
- Electrical and Electronic Engineering	9209-02	601/5556/5
- Civil Engineering	9209-03	601/5535/8
 Level 5 Advanced Technician Diploma		
- Mechanical Engineering	9209-11	601/5553/X
- Electrical and Electronic Engineering	9209-12	601/5554/1
- Civil Engineering	9209-13	601/5534/6

Qualification title	CG no.	Comparable level (NQF)
 Level 6 Graduate Diploma		
- Civil Engineering	9210-01	Level 6
- Electrical Engineering	9210-01	Level 6
- Electronic and Telecommunication Engineering	9210-01	Level 6
- Information Technology	9210-01	Level 6
- Mechanical Engineering	9210-01	Level 6
 Level 7 Post Graduate Diploma		
- Civil Engineering	9210-02	Level 7
- Electrical Engineering	9210-02	Level 7
- Electronic and Telecommunication Engineering	9210-02	Level 7
- Information Technology	9210-02	Level 7
- Mechanical Engineering	9210-02	Level 7

Keys

 Certificate

 Certificate

 Diploma

 Diploma

 Certificate

 Diploma

 Advanced Technician Diploma

 Diploma

 Advanced Technician Diploma

 Graduate Diploma

 Post Graduate Diploma

GOVERNMENT RECOGNITIONS

TELECOMMUNICATION SYSTEMS

England

The Office of the Qualifications and Examinations Regulation (Ofqual)

register.ofqual.gov.uk/

The Telecommunication Systems qualifications at levels 2 and 3 (2730) are accredited on the National Qualifications Framework of England, Wales and Northern Ireland (NQF).

The level in the qualification title shows the NQF level that each qualification is accredited at.

The qualification number is the qualification accreditation number (*).

Accredited qualification title	CG no.	Qual. no.*
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 Level 2 Certificate in Telecommunication Systems	2730-12	601/1051/X
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 Level 3 Diploma in Telecommunication Systems	2730-13	601/0540/9
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Ofqual regulates qualifications, examinations and assessments in England and vocational qualifications in Northern Ireland.

Ofqual sets the standards of qualifications and ensures that these standards are delivered. Ofqual also checks that bodies that award qualifications meet regulatory requirements.

UK's National Recognition Information Centre (UK NARIC)

www.naric.org.uk

The Advanced Technician Diploma in Telecommunication Systems (2730-03) has been mapped by UK NARIC to level 5 of the National Qualifications Framework of England, Wales and Northern Ireland (NQF).

This comparability can be used to infer progression within the UK education system.

Qualification title	CG no.	Comparable level (NQF)
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 Advanced Technician Diploma in Telecommunication Systems	2730-03	Level 5
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UK NARIC is the UK's National Recognition Information Centre and National Reference Point for Vocational Qualifications (UK NRP), the official source of information on the comparability of international qualifications to those available in the UK (both academic and vocational).

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

GOVERNMENT RECOGNITIONS

Trinidad and Tobago

The Accreditation Council of Trinidad and Tobago (ACTT)

www.actt.org.tt

Qualifications listed in this entry (please refer to the middle column) are available for delivery in Trinidad and Tobago by City & Guilds approved centres which are registered with ACTT.

Delivery of individual programmes is subject to ACTT approval..

ACTT is the governing body for quality assurance of post-secondary and tertiary education in Trinidad and Tobago, including the accreditation and recognition of local and foreign training institutions, programmes, awards and awarding bodies.

City & Guilds has been recognised by ACTT as a foreign awarding body to offer post-secondary and tertiary qualifications in Trinidad and Tobago.



Level 3 Diploma in Engineering

- Welding (2850-85)
- Fabrication (2850-86)
- Fabrication and Welding (2850-87)
- Maintenance, Installation and Commissioning (2850-88)
- Mechanical Manufacturing Engineering (2850-89)
- Electrical and Electronic Engineering (2850-90)

Level 4 Diploma

- Mechanical Engineering (9210-01)
- Electrical and Electronic Engineering (9210-02)
- Civil Engineering (9210-03)

Level 5 Advanced Technician Diploma

- Mechanical Engineering (9210-11)
- Electrical and Electronic Engineering (9210-12)
- Civil Engineering (9210-13)

Level 3 Diploma in Telecommunication Systems (2730-13)

Level 5 Advanced Technician Diploma (2730-03)



GOVERNMENT RECOGNITIONS

Zambia

Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA)

www.teveta.org.zm

Qualifications listed in this entry have been recognised by TEVETA within the TEVET Qualifications Framework (TQF).

TEVETA is responsible for registering all technical, entrepreneurial and vocational training programmes offered in the country, the providers that offer them and the examinations these programmes lead to.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

Qualification title	CG no.	TQF level
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Level 1 Certificate in Engineering (2850-80)	2850-80	Level 3
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Qualification title	CG no.	TQF level
Level 2 Certificate in Engineering		
- Manufacturing Technology	2850-81	Level 4
- Maintenance Technology	2850-82	Level 4
- Fabrication and Welding Technology	2850-83	Level 4
- Electrical and Electronics Technology	2850-84	Level 4



Level 3 Diploma in Engineering		
- Welding	2850-85	Level 4
- Fabrication	2850-86	Level 4
- Fabrication and Welding	2850-87	Level 4
- Maintenance, Installation and Commissioning	2850-88	Level 4
- Mechanical Manufacturing Engineering	2850-89	Level 4
- Electrical and Electronic Engineering	2850-90	Level 4

Qualification title	CG no.	TQF level
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Advanced Technician Diploma in Telecommunication Systems	2730-03	Level 4
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Institutions featured in this section are examples of universities and colleges which have recognised appropriate level(s) of the Engineering or Telecommunication Systems qualifications for admission to the relevant degree or degree linked programmes. Possible exemptions, where these may apply, are shown in each individual entry.

Levels shown indicate the levels accepted as minimum requirements.

Recognition and successful completion of the recognised level(s) do not guarantee admission and each application will be considered on an individual basis.

Applicants will be required to meet all other academic and non-academic entry requirements, including the English language proficiency, set by the recognising institution.



HIGHER EDUCATION RECOGNITIONS

HIGHER EDUCATION RECOGNITIONS

TELECOMMUNICATION SYSTEMS

United Kingdom



University of Abertay Dundee
www.abertay.ac.uk

L5 Holders of an Advanced Technician Diploma will normally be considered for entry to year 1 of the BSc (Hons) Computing programme.

Abertay is one of Scotland's leading universities and one of the top ten modern UK universities. It was the first university in the world to offer a degree in computer games and in ethical hacking and is still a leader in the field. The University has strong links with industrial partners from across the broadcast, interactive and wider digital media sectors including the BBC, Sony Entertainment Europe, Microsoft and Disney Interactive.

The University has almost 5,000 students from 60 countries, 17 percent of whom come from outside Europe including India, China, Malaysia, Thailand and Pakistan. Abertay is one of the largest providers of UK degrees in Malaysia.

Abertay is located in Scotland's sunniest city and offers an affordable lifestyle.

Anglia Ruskin University
www.anglia.ac.uk

L5 Holders of an Advanced Technician Diploma will normally be considered for entry to the first year of relevant undergraduate courses offered by the Department of Design and Electronics.

Anglia Ruskin University is modern university, one of the largest universities in the East of England and one of the most socially inclusive in the UK.

There are over 30,000 students including around 5,000 international students. The University has an extensive network of contacts with institutions throughout the world, delivering courses in countries as far as Malaysia and Trinidad.

The University works with leading employers to design its courses which have a strong vocational focus. Its partners include Barclays Bank and some of the UK's largest retail opticians (eg Specsavers, Boots and Vision Express) who all play a part in the planning process of the courses.

Anglia Ruskin also offers an Employer Mentoring Scheme which matches second year undergraduates with a mentor from their chosen career field to help students' transition into the world of work upon graduation.

Bournemouth University
www.bournemouth.ac.uk

L5 Students holding an Advanced Technician Diploma may be considered for entry to the second year of a Bournemouth University Bachelors degree, provided that evidence is submitted that they have already studied the subjects that they would have covered within the first year of this Bachelors degree.

Bournemouth University is recognised as one of the most innovative universities in the UK. The University has around 17,000 students, including around 2,000 international students from over 100 countries.

The University is home to the National Centre for Computer Animation (NCCA) and has achieved numerous awards for its contribution to world-leading excellence and pioneering development in computer animation. Over 100 graduates have been involved in creating animated films which have been nominated for the Visual Effects and Animation Oscars including the Life of Pi, The Hobbit, Snow White and the Huntsman, Les Miserables and Skyfall.

Bournemouth boasts some of the best beaches in the UK and is less than two hours away from London.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

TELECOMMUNICATION SYSTEMS

United Kingdom (continued)



Edinburgh Napier University
www.napier.ac.uk

Durham University
www.dur.ac.uk

L5 The University welcomes applications from holders of an Advanced Technician Diploma.

All such applicants will be treated on an individual basis, and considered on the merit, not only for entry itself, but also for any form of accreditation of prior learning or Advanced Standing which might be appropriate.

All Engineering programmes require evidence of performance in Maths to the equivalent of at least grade B at A level.

Durham University is one of the UK top universities and the third oldest in England, after Cambridge and Oxford. There are around 17,000 students, including over 3,000 international students from more than 150 countries.

Durham is consistently ranked amongst the leading universities in the world and recognised for having world-class research in every single area of assessment across the sciences, social sciences and humanities.

The city is picturesque and students who secure a place at the University live and study in the midst of a world heritage site. University College, also known as the 'Castle', was founded in 1832 and is the oldest university building in the world.

L5 The Advanced Technician Diploma will permit entry to year 3 of the BEng Electronic and Communication Engineering.

This will allow a degree to be obtained after one year of study and an honours degree after two.

Edinburgh Napier is one of Scotland's leading modern universities with a distinctly international flavour. There are around 17,000 students at the University, including over 4,000 international students from 109 countries. Edinburgh Napier has another 4,000 students studying on programmes delivered with partner institutions in China, Hong Kong, India and Singapore.

The University's academic outlook is largely vocational, offering a range of flexible study methods and entry routes. In the 2015 Guardian University League Tables, Edinburgh Napier University is ranked as the top UK Modern University and the top Scottish Modern University for studying General Engineering and the top UK Modern University for studying Civil Engineering.



University of Hull
www.hull.ac.uk

L5 The University welcomes applications from holders of an Advanced Technician Diploma. All such applicants will be treated on an individual basis. All BEng programmes require evidence of performance in Maths to the equivalent of at least grade C at A level.

Holders of an Advanced Technician Diploma will normally be eligible to apply for entry to the second year of a three-year BEng degree in Electronic Engineering.

Consideration will also be given for entry to the second year in all other programmes.

The University of Hull is a traditional, medium size university, with a reputation for friendliness.

There are around 20,000 students, including 2,000 international students from over 100 countries.

Students appreciate the modest cost of living and ready availability of accommodation, as well as the quality of courses.

Keys

L1 Certificate

L2 Certificate

L2 Diploma

L3 Diploma

L2 Certificate

L3 Diploma

L5 Advanced Technician Diploma

L4 Diploma

L5 Advanced Technician Diploma

L6 Graduate Diploma

L7 Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

TELECOMMUNICATION SYSTEMS

United Kingdom (continued)



Northumbria University

www.northumbria.ac.uk

L5 Holders of the Advanced Technician Diploma will be considered for entry to

- level 6 (final year) of the BEng(Hons) Mobile Communications Engineering degree programme or
- level 5 (year 2) BEng(Hons) Electrical and Electronic Engineering degree programme.

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Northumbria is a research-rich, business-focused, professional university with a global reputation for academic excellence. It is based in the heart of Newcastle upon Tyne, which is regularly voted the best place in the UK for students. There are around 33,500 students, including more than 7,000 international students, from 136 countries.

The University has state-of-the-art teaching, research and sports facilities. General engineering, architecture and the built environment are among the highest scoring areas of research, judged as being 'world-leading' or 'internationally excellent'.

Famous alumni include Sir Jonathan Ive, the designer of the iMac, iPod, iPhone and iPad and Rob Law MBE, designer of the children's Trunki cases which sell in more than 60 countries.

Northumbria is top ten in the UK for the number of graduates entering professional employment and nine out of ten graduates are working or studying six months after graduation.

Northumbria works with more than 560 employers, including major corporates such as Nike, IBM, Nissan, Proctor & Gamble and the BBC, and over 60 professional bodies sponsor or accredit the University's programmes.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

TELECOMMUNICATION SYSTEMS

United Kingdom (continued)

**Sheffield
Hallam
University**

Sheffield Hallam University

www.shu.ac.uk



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Holders of an Advanced Technician Diploma in Applied Telecommunication Systems (including Advanced Mathematics 1) are eligible to apply for level 6 BEng Telecommunication and Electronic Engineering.

Sheffield Hallam has been voted as the best modern university in the north of the England (The Times and Sunday Times, 2015). With over 34,000 students from more than 100 countries, the University is a vibrant and diverse study destination.

Courses are designed in consultation with partners in business, industry and the public sector, including links with around 65 professional bodies and many of the world's leading brands including Sony, BP, Cisco, SAP and Microsoft.

Over the past years, more than £100 million has been invested into new facilities including international standard sports pitches, new lecture theatres and new research facilities.

The city of Sheffield has been named as one of the safest, greenest and happiest places to live in the UK. It also has a much lower cost of living than other major UK cities.



Telecommunication
Systems

HIGHER EDUCATION RECOGNITIONS

TELECOMMUNICATION SYSTEMS

United Kingdom (continued)



University of Westminster

www.westminster.ac.uk

L5 Applicants who are awarded an Advanced Technician Diploma in Applied Telecommunication Systems will be considered for entry to Level 5 (Year Two) of the following courses in the School of Electronics and Computer Science:

- BSc (Hons) Electronic Engineering
- BSc (Hons) Computer Systems Engineering
- BSc (Hons) Computer Networks and Communications
- BSc (Hons) Computer Networks Security.

This is subject to the following criteria:

- An applicant must successfully complete and pass all modules on the Advanced Technician Diploma in Applied Telecommunication Systems with at least a grade C (credit) or above
- An applicant must successfully complete and pass the 'Software Engineering' unit and the 'Advanced Maths 2' unit at C (Credit) or above
- The offer of a Level 5 place is subject to the applicant achieving at least an IELTS score of 6.0 or an equivalent English qualification
- An applicant for the Course will be considered for admission provided that all other academic and non-academic requirements are met.

The University of Westminster is modern university, located in the heart of London, with around 24,000 students, including 5,000 international students from over 150 countries.

The University is one of the top 15 most popular UK universities for international students and enjoys a global reputation for the quality of courses, research and teaching.

Westminster offers one of the largest international scholarships scheme in the UK and delivers courses in a number of countries outside the UK including Sri Lanka and Uzbekistan.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

TELECOMMUNICATION SYSTEMS

Jamaica

Sri Lanka

University of Technology, Jamaica

www.utechjamaica.edu.jm



The University welcomes applications from holders of an Advanced Technician Diploma.

Each student will be assessed on an individual basis and given credit for equivalent work completed.

The University of Technology, Jamaica (UTech) is the second largest university in Jamaica, offering over 100 programmes to 11,000 students.

Colombo International Nautical & Engineering College (CINEC)

www.cinec.edu



The Advanced Technician Diploma will be accepted as entry qualification for admission to the second year of the Bachelor of Engineering (OBIF) programme.

Colombo International Nautical & Engineering College (CINEC) is Sri Lanka's largest private higher education institution offering over 175 training programmes to 14,000 students.

The Maleba campus of CINEC manages the Bachelor of Engineering (OBIF) programme of the University of South Australia (UniSA).

Students study the first years of the four-year programme at CINEC and transfer to UniSA for the next two years. Each programme consists of two semesters per year of study and the duration of the semesters is of such that the four semesters can be completed within 18 months, saving students time and money.

UniSA is one of the largest, fastest growing and innovative universities in Australia. The University is part of the influential Australian Technology Network (ATN), an alliance of five prominent universities from each mainland state, and is ranked among the top 200 universities in the world.

Keys

Certificate

Certificate

Diploma

Diploma

Certificate

Diploma

Advanced Technician Diploma

Diploma

Advanced Technician Diploma

Graduate Diploma

Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

MECHANICAL ENGINEERING

United Kingdom



University of Derby

www.derby.ac.uk

L4 Students holding a Level 4 Diploma in Mechanical Engineering may be considered for entry to the second year of the BEng (Hons) Mechanical Engineering or the BEng (Hons) Mechanical and Manufacturing Engineering, provided that evidence is submitted that they have already studied the subjects that they would have covered within the first year of this degree.

This will be evidenced by a balanced profile of mechanical/manufacturing engineering, applied analytical methods, engineering design and workshop technology, underlying mathematics and principles, and laboratory skills.

L5 Students holding a Level 5 Advanced Technician Diploma in Mechanical Engineering may be considered for entry to the third year of the BEng (Hons) Mechanical Engineering or the BEng (Hons) Mechanical and Manufacturing Engineering, provided that evidence is submitted that they have studied the subjects that they would have covered within the first two years of this degree and achieved the appropriate classification.

This will be evidenced by a balanced profile of mechanical/manufacturing engineering, advanced applied analytical methods, engineering design modelling, thermodynamics/industrial control systems, structural analysis/design for manufacture and laboratory skills.

Students who complete the BEng(Hons) Mechanical Engineering programme and have studied with the University for a minimum of two full years will be eligible to apply for the Incorporated Engineer (IEng) status from the Institution of Mechanical Engineers (IMechE).

The BEng(Hons) Mechanical and Manufacturing Engineering is new for September 2014 and is undergoing accreditation by the Institution of Mechanical Engineers (IMechE).

The University of Derby is a modern and friendly university located in central England, on the edge of the beautiful countryside of the Peak District.

There are over 20,000 students, including 1,700 international students from 120 countries. The university also has partnerships with colleges and universities in Europe, USA, Africa, Middle East and Asia.

Derby is ranked among the top modern UK universities for student support and faith provision, lecture quality, learning technology and student employability. It also features in the top 50 in the 2015 Guardian University League Table.

Derby has awarded more work-based qualifications than any other UK university. The university has built close links with the local industry and its partners include global brands such as Rolls-Royce, Toyota, Grosvenor Hotels, Wella, TONI&GUY, Mandarin Oriental Spas and Tui Travel Group. Most of the university's courses have been developed with employers and are accredited by professional bodies.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

MECHANICAL ENGINEERING

United Kingdom (continued)



Northumbria University
www.northumbria.ac.uk

L4 The Level 4 Diploma in Mechanical Engineering is recognised for direct entry into the second year of the BEng(Hons) Mechanical Engineering programme.

L5 The Level 5 Advanced Technician Diploma in Mechanical Engineering is recognised for direct entry into the third year of the BEng(Hons) Mechanical Engineering programme.

Northumbria is a research-rich, business-focused, professional university with a global reputation for academic excellence. It is based in the heart of Newcastle upon Tyne, which is regularly voted the best place in the UK for students. There are around 33,500 students, including more than 7,000 international students, from 136 countries.

The University has state-of-the-art teaching, research and sports facilities. General engineering, architecture and the built environment are among the highest scoring areas of research, judged as being 'world-leading' or 'internationally excellent'.

Famous alumni include Sir Jonathan Ive, the designer of the iMac, iPod, iPhone and iPad and Rob Law MBE, designer of the children's Trunki cases which sell in more than 60 countries.

Northumbria is top ten in the UK for the number of graduates entering professional employment and nine out of ten graduates are working or studying six months after graduation.

Northumbria works with more than 560 employers, including major corporates such as Nike, IBM, Nissan, Proctor & Gamble and the BBC, and over 60 professional bodies sponsor or accredit the University's programmes.



HIGHER EDUCATION RECOGNITIONS

MECHANICAL ENGINEERING

United Kingdom (continued)

**Sheffield
Hallam
University**

Sheffield Hallam University

www.shu.ac.uk

L4 The Level 4 Diploma in Mechanical Engineering is recognised for direct entry into the second year of the BEng(Hons) Engineering (Mechanical) (H303) programme.

Optional units taken must include the following units in order to make a candidate eligible for advanced entry:

- Computer Aided Design for manufacture
- Engineering design
- Principles of mechanical component manufacture
- Materials engineering.

L5 The Level 5 Advanced Technician Diploma in Mechanical Engineering is recognised for direct entry into the third year of the BEng(Hons) Engineering (Mechanical) (H303) programme.

Optional units taken must include two of the following units in order to make a candidate eligible for advanced entry:

- Project management
- Instrumentation and control principles
- Modelling engineering designs.

Students who complete the BEng(Hons) Mechanical programme will achieve Incorporated Engineer status from the Institution of Mechanical Engineers.

Sheffield Hallam has been voted as the best modern university in the north of the England (The Times and Sunday Times, 2015). With over 34,000 students from more than 100 countries, the University is a vibrant and diverse study destination.

Courses are designed in consultation with partners in business, industry and the public sector, including links with around 65 professional bodies and many of the world's leading brands including Sony, BP, Cisco, SAP and Microsoft.

Over the past years, more than £100 million has been invested into new facilities including international standard sports pitches, new lecture theatres and new research facilities.

The city of Sheffield has been named as one of the safest, greenest and happiest places to live in the UK. It also has a much lower cost of living than other major UK cities.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

ELECTRICAL AND ELECTRONIC ENGINEERING

United Kingdom



University of Derby

www.derby.ac.uk

L4 Students holding a Level 4 Diploma in Electrical and Electronic Engineering may be considered for entry to the second year of the BSc or BEng in Electrical and Electronic Engineering, provided that evidence is submitted that they have already studied the subjects that they would have covered within the first year of the Bachelors degree they apply for.

This will be evidenced by a balanced profile of electrical engineering, electronics, underlying mathematics and principles, and laboratory skills.

L5 Students holding a Level 5 Advanced Technician Diploma in Electrical and Electronic Engineering may be considered for entry to the third year of the BSc in Electrical and Electronic Engineering, provided that evidence is submitted that they have studied the subjects that they would have covered within the first two years of this degree.

This will be evidenced by a balanced profile of electrical engineering, electronics, underlying mathematics and principles, some applications (eg. in telecommunications, control and/or instrumentation), management and laboratory skills.

Students who complete the BEng(Hons) in Electrical and Electronic Engineering programme and have studied with the University for a minimum of two full years will be eligible to apply for Incorporated Engineer (IEng) status from the Institution of Engineering and Technology.

Application for accreditation by the Institution of Engineering and Technology has been made for the BSc(Hons) in Electrical and Electronic Engineering programme, which is new for September 2014.

The University of Derby is a modern and friendly university located in central England, on the edge of the beautiful countryside of the Peak District.

There are over 20,000 students, including 1,700 international students from 120 countries. The university also has partnerships with colleges and universities in Europe, USA, Africa, Middle East and Asia.

Derby is ranked among the top modern UK universities for student support and faith provision, lecture quality, learning technology and student employability. It also features in the top 50 in the 2015 Guardian University League Table.

Derby has awarded more work-based qualifications than any other UK university. The university has built close links with the local industry and its partners include global brands such as Rolls-Royce, Toyota, Grosvenor Hotels, Wella, TONI&GUY, Mandarin Oriental Spas and Tui Travel Group. Most of the university's courses have been developed with employers and are accredited by professional bodies.

Keys

L1 Certificate

L2 Certificate

L2 Diploma

L3 Diploma

L2 Certificate

L3 Diploma

L5 Advanced Technician Diploma

L4 Diploma

L5 Advanced Technician Diploma

L6 Graduate Diploma

L7 Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

ELECTRICAL AND ELECTRONIC ENGINEERING

United Kingdom (continued)



Northumbria University

www.northumbria.ac.uk

L4 The Level 4 Diploma in Electrical and Electronic Engineering is recognised for direct entry into the second year of the BEng(Hons) Electrical and Electronic Engineering programme.

Optional units taken must include the following units in order to make a candidate eligible for advanced entry:

- Data communication and networks
- Electrical supply and distribution
- Sequential and combinational logic circuits
- Programming using C.

L5 The Level 5 Advanced Technician Diploma in Electrical and Electronic Engineering is recognised for direct entry into the third year of the BEng(Hons) Electrical and Electronic Engineering programme.

Optional units taken must include the following units in order to make a candidate eligible for advanced entry:

- Instrumentation and control systems
- Electronic communication systems
- Digital design
- Principles and operations of electrical machines and systems
- Analogue design.

Northumbria is a research-rich, business-focused, professional university with a global reputation for academic excellence. It is based in the heart of Newcastle upon Tyne, which is regularly voted the best place in the UK for students. There are around 33,500 students, including more than 7,000 international students, from 136 countries.

The University has state-of-the-art teaching, research and sports facilities. General engineering, architecture and the built environment are among the highest scoring areas of research, judged as being 'world-leading' or 'internationally excellent'.

Famous alumni include Sir Jonathan Ive, the designer of the iMac, iPod, iPhone and iPad and Rob Law MBE, designer of the children's Trunki cases which sell in more than 60 countries.

Northumbria is top ten in the UK for the number of graduates entering professional employment and nine out of ten graduates are working or studying six months after graduation.

Northumbria works with more than 560 employers, including major corporates such as Nike, IBM, Nissan, Proctor & Gamble and the BBC, and over 60 professional bodies sponsor or accredit the University's programmes.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

ELECTRICAL AND ELECTRONIC ENGINEERING

United Kingdom (continued)

**Sheffield
Hallam
University**

Sheffield Hallam University

www.shu.ac.uk

L4 The Level 4 Diploma in Electrical and Electronic Engineering is recognised for direct entry into the second year of the BEng Electronic Engineering (H610) programme.

Optional units taken must be the following units in order to make a candidate eligible for advanced entry:

- Statistical analysis for engineers
- Data communication and networks
- Principles and operation of electrical machines
- Electrical supply and distribution
- Testing and measurement of electronic and electrical systems
- Principles of analogue circuits
- Sequential and combinational logic circuits
- Microprocessor based systems
- Programming using C.

L5 The Level 5 Advanced Technician Diploma in Electrical and Electronic Engineering is recognised for direct entry into the third year of the BEng Electronic Engineering (H610) programme.

Optional units taken must include the following units in order to make a candidate eligible for advanced entry:

- Instrumentation and control systems
- Electronic communication systems
- Digital design
- Signal processing
- Analogue design.

Students who complete the BEng(Hons) Mechanical programme will achieve Incorporated Engineer status from the Institution of Mechanical Engineers.

Sheffield Hallam has been voted as the best modern university in the north of the England (The Times and Sunday Times, 2015). With over 34,000 students from more than 100 countries, the University is a vibrant and diverse study destination.

Courses are designed in consultation with partners in business, industry and the public sector, including links with around 65 professional bodies and many of the world's leading brands including Sony, BP, Cisco, SAP and Microsoft.

Over the past years, more than £100 million has been invested into new facilities including international standard sports pitches, new lecture theatres and new research facilities.

The city of Sheffield has been named as one of the safest, greenest and happiest places to live in the UK. It also has a much lower cost of living than other major UK cities.

Keys

L1 Certificate

L2 Certificate

L2 Diploma

L3 Diploma

L2 Certificate

L3 Diploma

L5 Advanced Technician Diploma

L4 Diploma

L5 Advanced Technician Diploma

L6 Graduate Diploma

L7 Post Graduate Diploma

HIGHER EDUCATION RECOGNITIONS

CIVIL ENGINEERING

United Kingdom



University of Derby

www.derby.ac.uk

L4 The Level 4 Diploma in Civil Engineering is recognised for direct entry into the second year of the BSc(Hons) Civil Engineering programme.

L4 Holders of the Level 4 Diploma in Civil Engineering will be considered for direct entry into the second year of the BEng (Honours) in Civil and Infrastructure Engineering, subject to individual assessments.

L5 The Level 5 Advanced Technician Diploma in Civil Engineering is recognised for direct entry into the third year of the BSc (Hons) Civil Engineering programme provided that the holder of the qualification has completed the following optional units:

- Advanced surveying technology
- Transport engineering
- Measurement, costing and contracts for civil engineering
- Pavement design.

Candidates who have completed other optional units may be required to do bridging modules, depending on their background.

L5 Holders of the Level 5 Advanced Technician Diploma in Civil Engineering will be considered for direct entry into the third year of the BEng (Honours) in Civil and Infrastructure Engineering, subject to individual assessments.

The BSc(Hons) in Civil Engineering and the BEng(Hons) in Civil and Infrastructure Engineering are both accredited as fully satisfying the educational base for an Incorporated Engineer (IEng).

These programmes lead to Membership of the Institution of Civil Engineers (MICE), the Institution of Structural Engineers (MIStructE), the Chartered Institution of Highways and Transportation (MCIHT), and the Institute of Highway Engineers (MIHE) following a period of relevant experience and a professional review.

In addition, the BEng(Hons) Civil and Infrastructure Engineering is accepted as partially satisfying the requirements for a Chartered Engineer (CEng) registration.

The University of Derby is a modern and friendly university located in central England, on the edge of the beautiful countryside of the Peak District.

There are over 20,000 students, including 1,700 international students from 120 countries. The university also has partnerships with colleges and universities in Europe, USA, Africa, Middle East and Asia.

Derby is ranked among the top modern UK universities for student support and faith provision, lecture quality, learning technology and student employability. It also features in the top 50 in the 2015 Guardian University League Table.

Derby has awarded more work-based qualifications than any other UK university. The university has built close links with the local industry and its partners include global brands such as Rolls-Royce, Toyota, Grosvenor Hotels, Wella, TONI&GUY, Mandarin Oriental Spas and Tui Travel Group. Most of the university's courses have been developed with employers and are accredited by professional bodies.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

City & Guilds has worked with the UK's leading professional institutions to align the Graduate Diploma and Post Graduate Diploma in Engineering with the requirements for Incorporated Engineer (Graduate Diploma) and Chartered Engineer (Post Graduate Diploma) registration.

This section outlines how the City & Guilds engineering qualifications can be used towards achieving professional registration.

PROFESSIONAL REGISTRATION



THE ENGINEERING COUNCIL

www.engc.org.uk

The register of Chartered Engineers (CEng) and Incorporated Engineers (IEng) is held by the Engineering Council, the UK regulatory body for the engineering profession.

The Engineering Council sets and maintains the internationally recognised standards of professional competence and ethics that govern the award and retention of these titles.

To become professionally qualified, candidates must be a member of a licensed professional engineering institution, who will act as the awarding body for their registration. IET, IMechE and ICE are the three largest licensed professional engineering institutions in the UK, allowed to assess candidates for inclusion on their register of professional engineers.

PROFESSIONAL REGISTRATION



The Institution of Engineering and Technology (IET)

www.theiet.org

The Institution of Engineering and Technology (IET) welcomes applications from holders of the following City & Guilds qualifications:

L6 For Incorporated Engineer (IEng) registration:

Graduate Diploma in

- Electrical Engineering
- Electronic and Telecommunication Engineering
- Information Technology.

L7 For Chartered Engineer (CEng) registration:

Post Graduate Diploma in

- Electrical Engineering
- Electronic and Telecommunication Engineering
- Information Technology.

IET and City & Guilds are working together to ensure the qualifications are aligned with the registration requirements for Incorporated Engineer (for the Graduate Diploma) and Chartered Engineer (for the Post Graduate Diploma). Candidates with these qualifications will be considered individually under the IET's Peer Review process.

Founded 140 years ago, the IET is one of the world's leading professional societies for the engineering and technology community. The IET has more than 150,000 members in 127 countries, with active networks of members in 37 countries. To support its worldwide membership it has offices in Europe, North America and Asia Pacific.

IET's activities include membership and professional development, professional registration under licence from the Engineering Council, publishing and events as well as government and stakeholder engagement on engineering related policy issues. IET also produces independent authoritative fact files and briefings on key topics.

PROFESSIONAL REGISTRATION

Institution of
**MECHANICAL
ENGINEERS**

The Institution of Mechanical Engineers (IMechE)

www.imeche.org



The Level 3 Diplomas in Engineering have been approved by the Institution of Mechanical Engineers (IMechE) for inclusion in the Engineering Council's public database for technician related qualifications.

The qualifications can be used towards meeting the requirements for professional registration as an Engineering Technician (EngTech). Applicants must also undergo a Professional Review by IMechE.

IMechE welcomes applications from holders of the following City & Guilds qualifications:



City & Guilds Graduate Diploma in Mechanical Engineering for Incorporated Engineer (IEng) registration.



City & Guilds Post Graduate Diploma in Mechanical Engineering for Chartered Engineer (CEng) registration.

IMechE and City & Guilds are working together to ensure the qualifications are aligned with the registration requirements for Incorporated Engineering (for the Graduate Diploma) and Chartered Engineer (for the Post Graduate Diploma), which will be considered individually by the Institution's Academic Assessment Committee.

IMechE is the fastest growing professional engineering institution in the UK. IMechE has been at the heart of the world's most important and dynamic industries since its formation in 1847.

Today, the Institution has over 100,000 members and is a market leader among professional engineering bodies. It represents mechanical engineers in over 120 countries and the Institution is the largest network of mechanical engineering knowledge, skill and opportunity in the world.

IMechE is committed to ensuring that the views of engineers are well represented in the public domain and is an internationally recognised thought leader in the areas of energy, climate change and future transport.

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician
Diploma



Diploma



Advanced Technician
Diploma



Graduate Diploma



Post Graduate Diploma



PROFESSIONAL REGISTRATION

ice

Institution of Civil Engineers

The Institution of Civil Engineers (ICE)

www.ice.org

The Institution of Civil Engineers (ICE) welcomes applications from holders of the following City & Guilds qualifications:

L6

City & Guilds Graduate Diploma in Civil Engineering for Incorporated Engineer (IEng) registration.

L7

City & Guilds Post Graduate Diploma in Civil Engineering for Chartered Engineer (CEng) registration.

ICE and City & Guilds are working together to ensure the qualifications are aligned with the registration requirements for Incorporated Engineering (for the Graduate Diploma) and Chartered Engineer (for the Post Graduate Diploma), which will be considered individually by the Institution's Academic Qualifications Panel.

ICE was founded in 1818 and is dedicated to foster and promote the art and science of civil engineering.

Today, the Institution represents nearly 80,000 members worldwide. ICE is a qualifying body, a centre for the exchange of specialist knowledge in civil engineering, and a provider of resources to encourage innovation and excellence in the profession worldwide.

The international engineering qualifications are all supported by a Europass Certificate Supplement.

The Certificate Supplement is designed to help to facilitate the mobility of individuals for work, study or leisure.

City & Guilds was the first UK awarding body to launch the Europass Certificate Supplement.



EUROPASS

EUROPASS



Europass Certificate Supplement

www.cityandguilds.com/europass

www.uknec.org.uk

europass.cedefop.eu.int

The Certificate Supplement helps to ensure that qualifications are easily understood across national systems and makes it easier for learners to find employment or training opportunities beyond the borders of their own country.

It provides details on the skills that candidates are required to demonstrate in order to achieve a certificate, helps learners to prepare for job interviews and allows employers to choose the best candidate to work for them.

Engineering (2850)



Level 1 Certificate in Engineering (2850-80)



Level 2 Certificate in Engineering

- Manufacturing Technology (2850-81)
- Maintenance Technology (2850-82)
- Fabrication and Welding Technology (2850-83)
- Electrical and Electronics Technology (2850-84)



Level 2 Diploma in Engineering

- Manufacturing Technology (2850-51)
- Maintenance Technology (2850-52)
- Fabrication and Welding Technology (2850-53)
- Electrical and Electronics Technology (2850-54)



Level 3 Diploma in Engineering

- Welding (2850-85)
- Fabrication (2850-86)
- Fabrication and Welding (2850-87)
- Maintenance, Installation and Commissioning (2850-88)
- Mechanical Manufacturing Engineering (2850-89)
- Electrical and Electronic Engineering (2850-90)

Telecommunication Systems (2730)



Level 2 Certificate in Telecommunication Systems (2730-12)



Level 3 Diploma in Telecommunication Systems (2730-13)



Level 5 Advanced Technician Diploma in Telecommunication Systems (2730-03)

Keys



Certificate



Certificate



Diploma



Diploma



Certificate



Diploma



Advanced Technician Diploma



Diploma



Advanced Technician Diploma



Graduate Diploma



Post Graduate Diploma

Europass Certificate Supplement (continued)

Engineering (9209)

Level 4 Diploma

- Mechanical Engineering (9209-01)
- Electrical and Electronic Engineering (9209-02)
- Civil Engineering (9209-03)

Level 5 Advanced Technician Diploma

- Mechanical Engineering (9209-11)
- Electrical and Electronic Engineering (9209-12)
- Civil Engineering (9209-13)

Engineering (9210)

Level 6 Graduate Diploma

- Civil Engineering (9210-01)
- Electrical Engineering (9210-01)
- Electronic and Telecommunication Engineering (9210-01)
- Information Technology (9210-01)
- Mechanical Engineering (9210-01)

Level 7 Post Graduate Diploma

- Civil Engineering (9210-02)
- Electrical Engineering (9210-02)
- Electronic and Telecommunication Engineering (9210-02)
- Information Technology (9210-02)
- Mechanical Engineering (9210-02)

Keys

 Certificate

 Certificate

 Diploma

 Diploma

 Certificate

 Diploma

 Advanced Technician Diploma

 Diploma

 Advanced Technician Diploma

 Graduate Diploma

 Post Graduate Diploma

Every effort has been made to ensure that the information contained in this publication is true and correct at time of going to press. However, City & Guilds' products and services are subject to continuous development and improvement and the right is reserved to change products and services from time to time. City & Guilds cannot accept responsibility for any loss or damage arising from the use of information in this publication.

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