

Undergraduate level courses

Science, Technology and Engineering focused courses

University	Course	Qualification	Website
Bath, University of	Electrical Power Engineering	BEng/MEng	
Birmingham University	Civil and Energy Engineering	3FT/4FT Hon BEng/MEng	http://www.eng.bham.ac.uk
	Electrical and Energy Engineering	3FT/4FT Hon BEng/MEng	http://www.eng.bham.ac.uk
	Materials Science and Energy Engineering	3FT/4FT Hon BEng/MEng	http://www.eng.bham.ac.uk
Cumbria, University of	FDEng Engineering	2 FT FD Eng with renewable energy modules	
	Renewable Natural Resources (Top-up)	1FT Hon BSc top up course (to convert FD Eng into full Beng)	
De Montford University	Green Energy Technology	3 FT Hon BSc	
Dundee, University of	Renewable Energy (3/4/5 year Hons)	3FT Hon BSc/4FT Hon BSc/4FT Hon MSci/5FT Hon MSci	
Edinburgh, University of	Mechanical Engineering with Renewable Energy	4FT Hon BEng/5FT Hon BEng	http://www.see.ed.ac.uk
Essex, University of	Alternative Energy Systems	3FT Hon BEng	
Glyndwr University	Renewable Energy Systems (Micro-generation specialist course)	2FT FdEng	
	Renewable Energy and Sustainable Technologies (Micro-generation specialist course)	3FT Hon BEng	
Lancaster University	Sustainable Engineering	4FT Hon MEng	
Leeds University	Energy and Environmental Engineering	3FT Hon BEng/Meng - With optional Renewable Energy modules	
Liverpool John Moores University	Energy Management and Sustainability	BSc (Hons), 3 years full time, 4 years sandwich	
	Mechanical and Marine Engineering	3FT/4SW Hon BEng/4FT/5SW Hon MEng	
Manchester, University of	Electrical & Electronic Engineering with Industry Exposure	5FT Hon MEng/4FT Hon Beng - with Power Electronics unit	
	Electrical and Electronic Engineering	3FT Hon BEng/4FT Hon Meng - with Power Electronics unit	
	Electronic Systems Engineering	4FT Hon Meng - with Power Electronics unit	
	Electronic Systems Engineering with Industry Exposure	4FT Hon BEng/5FT Hon Meng - with Power Electronics unit	
	Electronic Systems Engineering with Industry Exposure	5FT Hon Meng - with Power Electronics unit	
Newcastle University	Offshore Engineering	3FT Hon BEng/4FT Hon MEng	
	Marine Engineering	3FT Hon BEng/4FT Hon MEng	
Nottingham, University of	Electrical Engineering and Renewable Systems	3FT Hon BEng/4FT Hon Beng - with numerous core renewable energy components and specialization in wind available - linked with E3 Academy:	http://www.nottingham.ac.uk
Queen Mary University, London	Sustainable Energy Engineering	3FT Hon BEng/4FT Hon BEng	http://www.qmul.ac.uk
Robert Gordon University, Aberdeen	Mechanical and Offshore Engineering	4FT Hon BEng	
Robert Gordon University, Aberdeen	Electrical and Energy Engineering	4FT Hon BEng	
Sheffield University	Systems and Control Engineering	BEng/MEng	
	Systems and Control Engineering with Business Skills	BEng/MEng	http://www.shef.ac.uk
Southampton, University of	Environmental Engineering	4FT BEng/Meng - specialised modules for wind energy available	http://www.soton.ac.uk

	Mechanical Engineering WITH Sustainable Energy Systems module	MEng	http://www.soton.ac.uk
	Mechanical Engineering/Engineering Management WITH sustainable energy systems module	Meng	http://www.soton.ac.uk
Ulster, University of	Energy and Building Services Engineering	BEng (Hons) 4yr SW & 5 yr PT / MEng 5yr SW	
UWE Bristol	Electrical and Electronic Engineering	3FT BEng, 4FT BEng (Sandwich)/ 4FT Meng	http://courses.uwe.ac.uk
Aberdeen, University of	Engineering (Mechanical with Oil & Gas Studies)	4FT Hon BEng	
	Electrical Energy with Sustainable Engineering	5FT Hon MEng	
	Electrical and Electronic Engineering with Energy Studies	5FT Hon Meng	

Management focused courses

University	Course	Qualification	Websites
City University	Energy Engineering	BEng/Meng - with renewable energy optional module	
Exter, University of	Renewable Energy	3FT Hon BSc	
Cumbria University	Construction Management	BSc(Hons) top up course with 'renewable energy management technologies' module	

E-learning options

University	Course	Qualification	Websites
UHI Millenium Institute, Scotland	Engineering with Renewable Energy	1FT Ord BSc	

Postgraduate level courses

Science, Technology and Engineering focused courses

University	Research Institutes and Centres	Course	Qualification	Website
Bath, University of	The Centre for Sustainable Power Distribution	All aspects of power generation, transmission and distribution.	PhD	
Centre for Alternative Technology (CAT)		Renewable Energy and Built Environment (REBE)	1FT MSc	http://gradschool.cat.org.uk
City University		Energy and Environmental Engineering	MSc	
		Mechanical Engineering	MSc - with renewable energy optional module	
Cranfield University	Offshore Technology Centre	Offshore and Ocean Technology	MSc Full and part-time with renewable energy optional module	http://www.cranfield.ac.uk
De Montfort University		Energy and Sustainable Building Design	MSc	
		Climate Change and Sustainable Development	MSc	
Durham University	Durham Centre for Renewable Energy	New and Renewable Energy	1FT MSc	
		New and Renewable Energy topics	PhD topics	
Edinburgh, University of	Institute for Energy Systems	Sustainable Energy Systems	MSc	http://www.see.ed.ac.uk
		Marine and Coastal Defense, power systems operation and control, Renewable Energy Engineering	Research/PhD topics	http://www.see.ed.ac.uk
Heriot-Watt University		Renewable Energy Engineering	1FT MSc/ 9 month Pg dip	http://www.postgraduate.hw.ac.uk
		Renewable Energy And Distributed Generation	1FT MSc/ 9 month Pg dip	http://www.postgraduate.hw.ac.uk
		Energy	1FT MSc/ 9 month Pg dip -with optional modules in renewable	http://www.postgraduate.hw.ac.uk
		Renewable Energy Development	1FT MSc/ 9 month Pg dip	http://www.postgraduate.hw.ac.uk
Imperial College		Environmental Engineering	MSc	http://www3.imperial.ac.uk
Kingston University		Renewable Energy Engineering	1 FT MSc/PgDip	
Lancaster University		Mechanical Engineering – full or part-time	1FT MSc/PgDip part-time (industry based) with module in renewable energy	
		Fluid Machinery Engineering	MSc	
		Low-carbon Energy	2FT MSc part-time (industry based)	
	Lancaster University Renewable Energy Group (LUREG)	Wave and tidal energy research (amongst other low carbon technologies)	PhD Topics	
Loughborough University	CREST - Centre for Renewable Energy Systems Technology	Renewable Energy Systems Technology	1FT MSc/ distance learning/flexible learning	http://www.lboro.ac.uk
	CREST & EUREC joint initiative -European Renewable Energy Research Centres	European Master of Science in Renewable Energy	1FT MSc	http://www.master.eurec.be/
Macaulay Institute		Sustainable land use and natural resource use, involving work in the environmental,	PhD Training	http://www.macaulay.ac.uk
Manchester University		Electrical Power Systems Engineering	1FT MSc	
		Electronic and electrical systems engineering related topics (students propose research	PhD/ EndD	
Newcastle University	School of Marine Science and Technology	Offshore Engineering	1FT MSc	
	School of Marine Science and Technology	Marine and Offshore Power Systems	1FT MSc	
	Faculty of Science, Agriculture and Engineering	Renewable Energy Enterprise and Management (REEM)	1FT MSc	
	Sir Joseph Swan Institute for Energy Research	Renewable Energy Flexible Training Programme (REFLEX)	MSc: 12 months minimum full time; 60 months maximum part time	

Northumbria University	School of Computing, Engineering and Information Sciences	Electrical Power Engineering	2FT MSc - with core modules in Wind Energy Conversion Systems, New and	
	Power and Wind Energy Research. (PaWER) Group	Wind energy and power systems	PhD	
	Building and renewable energy group	Distributed grid and other topics	PhD Topics	
Nottingham, University of	Department of Electrical and Electronic Engineering	Electrical Technology for Sustainable and Renewable Energy Systems	1FT MSc/ PGDip	http://pgstudy.nottingham.ac.uk
	Power Electronics, Machines and Control (PEMC) Group		PhD - Marie Curie Network in Electrical Conversion and Conditioning 6-12 Month	http://www.nottingham.ac.uk
Queen Mary University, London	Department of Engineering	Sustainable Energy Systems (Engineering focus)	1FT MSc	http://www.eng.qmul.ac.uk
Sheffield University	Department of Chemical and Process Engineering	Environmental and Energy Engineering	1FT MSc	
	Sheffield Training in Interdisciplinary Energy Research (E-Futures) - Doctoral Training Centre	Topics related to 'power generation' and 'demand reduction'	PhD	
	School of Architecture	Integration of renewable energy sources	M.Arc	
	Dept. of Mechanical Engineering	Mechanical Engineering with Industrial Management Course includes optional	MSc	
Strathclyde, University of	Dept. of Mechanical Engineering	Research Aerodynamics and Aerostructures	MSc	
	Faulty of Engineering	Energy Systems and the Environment	MSc/PG Diploma/PG Certificate	http://www.strath.ac.uk
	Department of Naval Engineering and Architecture	Sustainable Engineering: Marine Technology	1 FT MSc	http://www.strath.ac.uk
	Department of Naval Engineering and Architecture	Offshore Renewable Energy	1FT MSc/ 9mFT PG Diploma/ PG Cert	http://www.strath.ac.uk
	The Wind Energy Systems Centre (EPSRC postdoctoral centre of excellence)	Topics related to wind energy	50 PhD-ships will be made available during the 5 years starting October 2009	http://www.strath.ac.uk
Swansea University	The School of Engineering	Electronics for Sustainable Energy	1FT MSc	
University of Aberdeen		Energy Futures (Renewables)	1FT MSc	

Policy Courses

University	Research Institutes and Centres	Course	Qualification	Website
Sussex, University of	Science Policy Research Centre	Science and Technology for Sustainability	1FT MSc	http://www.sussex.ac.uk
Swansea University	Centre for Environmental and Energy Law and Policy (CEELP)	Environmental & Energy Law	LLM programme	
De Montfort University		Energy and Sustainable Building Design	1FT MSc	
Imperial College		Sustainable Energy Futures	1FT MSc	http://www3.imperial.ac.uk
Dundee, University of	Centre for Energy, Petroleum & Mineral Law & Policy	Energy Studies - with various specializations	1FT MSc/9month PGDip - Economics/Policy focus	
De Montfort University	Institute of Energy and Sustainable Development	Energy and sustainable development related topics (students propose research topic)	MPhil / PhD	

E-learning Courses

University	Research Institutes and Centres	Course	Qualification	Website
Open University		Energy for a sustainable future	Level 2 course	http://www.open.ac.uk
Centre for Alternative Technology (CAT)		Renewable Energy and Built Environment (REBE)	1FT MSc	http://gradschool.cat.org.uk
Ulster, University of	Jointly coordinated by the Northern Ireland Centre for Energy Research and Technology (NICERT) and the	Renewable Energy and Energy Management	3 PT DL MSc - core modules cover wind, wave and tidal conversion technologies	

Overseas Courses

University	Research Institutes and Centres	Course	Qualification	Website
Delft University		Aerospace Engineering - Wind Energy specialism	2 FT MSc	
DTU Danish Technical University		Wind Energy - Mechanical	1 FT MSc	

DTU Danish Technical University		Wind Energy - Electrical	1 FT MSc	
DTU Danish Technical University		Sustainable Energy	1 FT MSc	
EUREC		Renewable Energy	16 mths MSc	

Key

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Hon - Honors

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FDS - Foundation Degree Sciences

NVQ - National Vocational Qualification

BWEA member

Short Courses

Renewable energy short courses

Provider	Location	Course title	Duration		Who for?	Qualification
Aberdeen University	Aberdeen	Overview of the Energy Industries -	1 week			
Amersham and Wycombe College	Chesham, Bucks	Sustainable Energy for Construction	1 day	£90	Estates managers, junior architects,	Certificate in Sustainable Energy for Construction
Aster Training	Various	Renewable Energy Introduction	1 day	£245	Planners, energy managers,	none
BIFM	Various	Climate Change - Impact on Facilities	1 day	£475		Certificate, by British Inst Facilities Management
BWEA seminars	at 9 locations, countrywide	Wind Planning Issues	1 day, held summer/autumn	free	Council planning officers	
Centre for Alternative Technology CAT	Machynlleth	Introduction to Renewable Energy	2 days	From £180	General Interest/Professional	Option for BPEC certificate
Centre for Alternative Technology CAT	Machynlleth	Domestic Wind Power Systems	2 days	From £180	General interest	Energy Institute
Centre for Alternative Technology CAT	Machynlleth	Renewable Energy Systems	4days	From £300	General Interest/Professional	CAT Certificate of Attendance
Centre for Alternative Technology CAT	Machynlleth	Build your own Wind Turbine	5 days	From £450	General interest	
Centre for Alternative Technology CAT	Machynlleth	Wind Power Systems	6days	£600	Engineers, planners, architects, system	Energy Institute
Centre for Alternative Technology CAT	Machynlleth	Hydro Electric Power Systems	2 days	From £180	General Interest/Professional	CAT Certificate of Attendance
Centre for Alternative Technology CAT	Machynlleth	Hydro-Electric Systems	6 days	£600	Engineers, planners, architects, system	Certificate in Renewable Energy Systems (UEL)
Centre for Sustainable Energy	Bristol	Renewable Energy Essentials	2 day			
Cranfield University	Cranfield, Beds	Offshore Renewable Energy - Technology	1 week	£1,350	Graduates	
Cranfield University	Cranfield, Beds	Offshore Renewable Energy - Management	1 week	£1,350	Graduates	
DUWET - Danish Universities Wind	Herning, Denmark	Basic, Specialist and Advanced Wind	1 week, many per year	2670 Euro		
DUWET - Danish Universities Wind	As required	Bespoke Advanced Wind Energy courses	As required			
Delft University	Delft, Netherlands	Technology of Offshore Wind Energy	2 days	990 Euro		
Digital Landscape	As required	Bespoke training in GIS use				
Empower Training Services	E.on Engineering Academy, nr	Modern Power Plant Introduction	1 day, last run July 2008	£200	For Non-technical personnel who	

Electrical Contractors Association	London	Renewable Energy Introduction	1 day		Engineers in power industry	
Energy Foundation		Energy Foundation Training	1 day		Estate agents and letting agents, HIP	
Energy Institute	various	Small Scale Renewables	1 day	£350	General	Certificate from Energy Institute
ERA Technology Ltd	Leatherhead, Surrey	Distributed Generators -	2 days	£780	Electrical engineers	
ERA Technology Ltd	Leatherhead, Surrey	Understanding Failure Analysis Investigation	1 day	£470	Engineers in power industry	
Euromoney Financial Training UK	International	Renewable Energy Project Finance	2 day		Finance professionals	
Garrad Hassan & Partners Ltd	International	Introductory, Specialist and	1 to 5 days, many per year			Certificate of Attendance
Garrad Hassan & Partners Ltd	International	Marine Technology courses.	1 to 3 days, several per year			Certificate of Attendance
Kaplan Hawksmere	London	Green Taxes	1 day	£599		
Loughborough University	Loughborough	Wind Power Summer School	5 days	£1,400		
Loughborough University	Loughborough	Selected modules from MSc in	10 days per module or distance learning			
Met Office	Exeter	Weather and Climate change training	as required			
NEA	Various	Energy Awareness	4 days		Advisers on domestic energy	City & Guilds
Sir Joseph Swan Institute for Energy	Newcastle University	Renewable Energy Flexible Training	CPD module: 3 months maximum			
NHBC Services Ltd	Amersham, Bucks	Managing the Installation of Micro	1 day		Construction industry	
Open University	Distance learning	Energy for a Sustainable Future	9 mths			
PPL Training Ltd	Various	Renewable Energy Awareness	2 days, monthly	£356	General, not installers	Certificate BPEC
Sustainability Centre	Petersfield, Hants	Renewable Energy Introduction	2 days	£150	General	
Thropton Energy Services	Northumberland	Water current turbines				

Safety Training

Provider	Location	Course title	Duration	Who for?	Qualification
NaREC, Wind Energy Safety Training Centre	Blyth, Northumberland	Work at heights, hub rescue, first aid fire			
Safety Technology	NaREC, Blyth	Safety training and certification courses			Safety certification
TAG	Manchester, London	Access, rescue and evacuation training	Bespoke or open		Certification to OPITO and BS standards
trac		Work at height training			

Installation training domestic/small scale technologies

Provider	Location	Course title	Duration		Who for?	Qualification
Met-UK	Rotherham	Certificate in Renewable Energy	3 weeks, monthly plus shorter courses		Installers of small systems	Awarded by British Plumbing Employers
Centre for Alternative Technologies CAT	Machynlleth	Accredited courses for installers: Biomass,	3-5 days each	£600	Installers of small systems	Accredited by BPEC, Energy Institute etc
Technical Training Solutions		Installation of Renewable Energy	3 days		Installers of small systems	Certificate of competence
South West College	Omagh	Installation of Renewa	3 days		Installers of small systems	City and Guilds level 3

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FE Colleges

FE College	Course	Level	Duration	Website
Belfast Metropolitan College	Building Services and Renewable Energy	FD		
City College Plymouth	Electrical Engineering and Renewable	FD		
Cornwall College	Renewable Energy Technologies	FD		
Northumberland College	Level 2 - Installing and Maintaining Domestic	VRQ	6M FT	http://www.northumberland.ac.uk/
Middlesborough College	Renewable Energy Technologies	FD		Starting 2009/10
South West College (Omagh)	Renewable Technology (WIND TURBINE	HND	2FT	http://www.swc.ac.uk/

Taster Courses for School Pupils

FE College	Course	Level	Duration	Website
Centre for Sustainable Energy	Bristol	Materials for schools Key Stage 3		
Glydwr University	Wrexham	Renewable Energies and Sustainable Technologies	3 weeks, annual	
Smallpeice Trust	Newcastle University	Sustainable Energy - Year 11	4 days	

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