

Innovative Features

Accredited by	Course Provider	Course Title	Key Information	Case Study Available	Accreditation Period	Innovative Features																				
						Discipline	Delivery Mechanism			Work	Work Based		Other													
						Disciplines from outside department	Multi-disciplinary	Science and Engineering	Other	Multi-site	Consortium	Pan-National	Pan-European	International	Part Time	Top-Up Course	Integrated Work Placement	Group Industrial Project Experience	Higher Apprenticeships	Distance Learning	Intensive Courses	Online Delivery	Societal Impact	Industry developed/supported	Embedded professional registration and development	
BCS	University of Dundee	BSc Applied Computing	<ul style="list-style-type: none"> The links with industry and the multiple ways in which this informs the curriculum The way in which School research feeds into community-based support for the elderly and disadvantaged. 	Y	2007-2011		x																x	x		
BCS	University of Hull	MEng Computer Science	<ul style="list-style-type: none"> A sustainable mechanism for providing students with real world commercial experience through the SEED (Software Engineering Experience Development) project Professional Development Planning which focuses on supplying employability skills directed to employment in the students' chosen field of specialism. 	Y	2007-2011		x										x							x	x	
BCS	University of Kent	MSc (Hons) Computer Science	<ul style="list-style-type: none"> The Kent IT Clinic provided the opportunity to deliver projects using a real-life environment via a commercial off-shoot The efforts of the School of Computing in supporting engagement with schools is noteworthy 	Y	2007-2011		x										x							x	x	
BCS	University of Sunderland	BSc (Hons) Computing Science	<ul style="list-style-type: none"> Loaning of equipment such as laptops to students 	Y	2005-2008		x																	x		
CIBSE/ICE/IStructE/C IHT/IHE (JBM)	University of Cambridge	MSt Interdisciplinary Design for the Built Environment	The delivery of the course is structured around seven intensive residential study weeks. Student cohorts, from different years of study, are also mixed. This allows students an opportunity to engage in networking and collaboration through formal taught course components, and informally.	N	2012-2016		x							x							x					
CIBSE/EI	University of West of England	BEng (Hons) Architecture and Environmental Engineering	This degree combines architecture and engineering offering a wide variety of career opportunities. This degree is both a 'Part One' qualification in architecture (prescribed by the Architect's Registration Board and validated by Royal Institute of British Architects and is accredited by the as a qualifying first degree leading, via 'further learning', to Chartered Engineering status.	N	2011-2015	x	x		x															x	x	
ICE/IStructE/CIHT/IHE (JBM)	UCL	MEng Civil Engineering	The undergraduate programmes at UCL are innovative and based on scenario projects (four per year) in Years 1 and 2 to address the context of engineering, change management and to provide students with the tools that they need and an understanding of the appropriate underlying science and engineering principles.	Y	2002-2015			x																		

Innovative Features

Accredited by	Course Provider	Course Title	Key Information	Case Study Available	Accreditation Period	Innovative Features																											
						Discipline	Delivery Mechanism	Work	Work Based	Other	Disciplines from outside department	Multi-disciplinary	Science and Engineering	Other	Multi-site	Consortium	Pan-National	Pan-European	International	Part Time	Top-Up Course	Integrated Work Placement	Group Industrial Project Experience	Higher Apprenticeships	Distance Learning	Intensive Courses	Online Delivery	Societal Impact	Industry developed/supported	Embedded professional registration and development			
ICE/IStructE/CIHT/IHE (JBM)	UCL	MEng Civil Engineering (International)	The undergraduate programmes at UCL are innovative and based on scenario projects (four per year) in Years 1 and 2 to address the context of engineering, change management and to provide students with the tools that they need and an understanding of the appropriate underlying science and engineering principles.	Y	2002-2015							x					x																
ICE/IStructE/CIHT/IHE (JBM)	UCL	MEng Environmental Engineering	The undergraduate programmes at UCL are innovative and based on scenario projects (four per year) in Years 1 and 2 to address the context of engineering, change management and to provide students with the tools that they need and an understanding of the appropriate underlying science and engineering principles.	Y	2002-2015							x								x													
ICE/IStructE/CIHT/IHE (JBM)	University of Bath	MEng Civil Engineering / MEng Civil and Architectural Engineering	The integration of architecture and civil engineering into a single department has clear benefits for students of either discipline, with strong enthusiasm and support of the Industrial Liaison Panel. The use of leading practitioners in delivery of modules is appreciated by students who are exposed to "passionate" lectures delivered by experts. The Sir Basil Spence project brings together the architects and engineers and gives students an opportunity to explain and defend their design choices in the face of scrutiny by industry experts.	Y	1995-2015	x	x																									x	
ICE/IStructE/CIHT/IHE (JBM)	University of Derby	Foundation Degree - Civil Engineering	Design is developed as a thread from year one with a focus on conceptual rather than elemental design and introduces students to the appropriate fundamental principles.	Y	2011-2015								x						x														
ICE/IStructE/CIHT/IHE (JBM), IET, IMechE, IED, RAeS	University of Bristol	MEng Engineering Design	Design is developed as a thread from year one with a focus on conceptual rather than elemental design and introduces students to the appropriate fundamental principles.	Y	2008-2013							x																					
ICE/IStructE/CIHT/IHE (JBM)	Loughborough University	MSc Water and Waste Engineering (WEDC)	Professional development modules can be provided by distance learning	Y	2006-2015							x										x											
ICE/IStructE/CIHT/IHE (JBM)	University of Salford	BEng/MEng Civil and Architectural Engineering	Use of industrial expertise in the delivery of the programme, through innovative use of blended learning techniques and information technology	Y	2006-2016															x												x	
ICE/IStructE/CIHT/IHE (JBM)	Imperial College	MEng Civil Engineering	Participation in the Constructionarium	Y	2009-2015								x							x	x				x							x	
ICHEM	Tianjing University	BEng Chemical Engineering	Delivered in Mandarin	Y	2008-2012																												

Innovative Features

Accredited by	Course Provider	Course Title	Key Information	Case Study Available	Accreditation Period	Innovative Features																			
						Discipline	Delivery Mechanism			Work	Work Based		Other												
						Disciplines from outside department	Multi-disciplinary	Science and Engineering	Other	Multi-site	Consortium	Pan-National	Pan-European	International	Part Time	Top-Up Course	Integrated Work Placement	Group Industrial Project Experience	Higher Apprenticeships	Distance Learning	Intensive Courses	Online Delivery	Societal Impact	Industry developed/supported	Embedded professional registration and development
IChemE	University of Strathclyde	MSci (Hons) Applied Chemistry and Chemical Engineering	This programme was designed to meet the accreditation requirements of both IChemE and the Royal Society of Chemistry, to encourage a more integrated approach between the two disciplines. The need for this was identified in several key industry sectors. The programme is run as a partnership between the Faculties of Engineering and Science, with the students working in both Faculties throughout the programme	N	2004-2014	x																	x	x	
IChemE	University of Santiago de Compostela, Spain	MEng in Chemical Engineering	This programme is based on a proven willingness to share an industrial culture and assume an 'innovation culture'. The programme is in the vanguard of new developments in teaching within the University.	N	2010-2012																			x	
IChemE	University of Manchester	MEng Chemical Engineering with Industrial Experience	The Year in Industry is included within the four year programme. Key to its success are: a contract between the university and industry to ensure provision of opportunities to achieve the requisite learning outcomes in the workplace; and management of the process during the year out. Designing this from scratch was beneficial; issues were addressed as they arose from an academic standpoint.	N	1996-2012										x									x	
IET, IMechE, IOM3 and EI	University of Manchester	MSc Nuclear Science and Technology	Nuclear Technology Education Consortium (NTEC), collaboration between eleven universities. The details can be found here.	No	2008-2013	x	x			x	x								x	x				x	
IET	Furness College	BEng (Ord) and BEng(Hons) in Electrical/Electronic Engineering	The college provides integrated education programmes for part-time industry sponsored students from technician level and culminating in an accredited BEng for IEng which, with further study, leads to a BEng(Hons) for CEng. Students can step off the ladder of qualifications at any time or remain at Furness until they achieve their BEng(Hons). Curriculum and projects are strongly linked to local industry and SME requirements.	N	2006-2014										x	x								x	x
IET	Queen Mary College / Beijing University of Post and Telecomms China	BSc (Eng) Telecommunications Engineering with Management	The Universities collaborate to offer joint degrees in China delivered in the English language and using a mixture of UK and Chinese staff. Queen Mary staff regularly travel to China to deliver modules in intensive blocks. Graduates receive degree certificates from both Universities.	N	2004-2013					x						x									

Innovative Features

Accredited by	Course Provider	Course Title	Key Information	Case Study Available	Accreditation Period	Innovative Features																			
						Discipline	Delivery Mechanism			Work		Work Based		Other											
						Disciplines from outside department	Multi-disciplinary	Science and Engineering	Other	Multi-site	Consortium	Pan-National	Pan-European	International	Part Time	Top-Up Course	Integrated Work Placement	Group Industrial Project Experience	Higher Apprenticeships	Distance Learning	Intensive Courses	Online Delivery	Societal Impact	Industry developed/supported	Embedded professional registration and development
IET	Liverpool University	MEng Avionics Systems with Pilot studies with Year in Industry	Uses Conceive, Design Implement and Operate (CDIO) philosophy to underpin their accredited programmes. It involves 'active' learning (i.e. problem solving projects embedded across the entire programme including its early stages) rather than 'passive' learning (i.e. lectures). Avionics covers the internal sensors and control systems within aircraft: from airborne communication and navigation systems to 'stealth' aircraft design and flight control systems. The 'with Pilot Studies' programme gives you the opportunity to learn to fly and to build towards either a National Private Pilot's Licence (NPPL) or a full JAA/PPL in the first year and the 'frozen' Air Transport Pilot's Licence (fATPL) in the second year. If you are seeking a career as a commercial airline pilot it is possible to work towards the fATPL. Our flight training partners are based at Liverpool's John Lennon Airport and time for flight training is provided in the timetable. Also a particularly exciting experimental facility on the University campus is the Bibby Flight Simulation Laboratory featuring motion and visual cueing and a library of different aircraft types that students can 'try their hands on'. A new two-seat motion simulator is used as support to our Pilot Studies programmes.	N	2005-2013	x			x															x	
IET	Open University	BEng, MEng and MSc Engineering	Distance Learning Programmes	N	2011-2013														x						
IET	University of Portsmouth	MSc Supportability Engineering	The programme focuses on logistics for engineers and is collaboration between the University of Portsmouth, Logistic Support Analysts Ltd (LSA) and the Ministry of Defence. All students are industry sponsored and complete the MSc course on a part time basis. The course is delivered using a balance of one-week residential schools and electronic on-line teaching materials.	N	2008-2011							x					x								x
IOM3	University of Exeter	BEng/MEng Materials Engineering	This programme arose from a degree in Mechanical Engineering, which had sufficient materials options to justify its accreditation by IoM3. The University of Exeter does not have a materials department as such but has materials specialisms in Engineering with particular emphasis on auxetic materials	N	2007 - 2014	x																			
IOM3	Loughborough University	BEng/MEng (MEng from 2012) Design with Engineering Materials	One year industrial placement can be included. The novelty is that the course has a very strong design base and is accredited jointly with the IED. The premise is that designers need a good understanding of materials in order to produce successful artefacts. It has a strong aesthetic as well as a functional design base.	N	2009 - 2013												x								

Innovative Features

Accredited by	Course Provider	Course Title	Key Information	Case Study Available	Accreditation Period	Innovative Features				
						Discipline	Delivery Mechanism	Work	Work Based	Other
						Disciplines from outside department Multi-disciplinary Science and Engineering Other	Multi-site Consortium Pan-National Pan-European International Part Time Top-Up Course	Integrated Work Placement Group Industrial Project Experience	Higher Apprenticeships Distance Learning Intensive Courses Online Delivery	Societal Impact Industry developed/supported Embedded professional registration and development
IMarEST/RINA	Marine Technology Education Consortium (MTEC), collaboration between six universities. The universities involved are Newcastle, Strathclyde, Southampton, University College London, Heriot Watt and Glasgow	MSc in Marine Technology	It is designed to provide flexible, innovative training for graduates working full time in the marine industry. It teaches new and advanced technical and managerial skills, in conjunction with business and management applications. Each module is delivered by a combination of distance learning and a one-week intensive school. Modules can be taken as part of Continuing Professional Development or as a programme which leads to a Postgraduate Certificate, Postgraduate Diploma or MSc.	N	2006-2015	x	x x		x x	x x
RAeS	Queen's University Belfast	BEng(Hons) MEng Aerospace Engineering	The 'Introduction to Aerospace Engineering' was incorporated into both the Beng/Meng Aerospace Engineering degree programmes to help with the transition from secondary to tertiary level education by providing a framework for meeting the learning requirements of a first year Aerospace Engineering student, the CDIO philosophy and the required learning outcomes of UK-SPEC.	Y	1982 - 2014	x				x