The Institute of Physics officially Accredits and Recognises most physics courses in the UK & Ireland – see http://www.iop.org/education/higher_education/ for details.
For physics course listings throughout the UK and Ireland see http://www.iop.org/education/student/physics_on_course/page_41676.html

CAOCODE	Qualification Title	Main Features	First Year Subjects
Belfast ■ QUB ■ www.qub.ac.uk/mp or www.qub.ie/mp			
N/A	BSc and MSci (3/4 years)		
	Physics	Core Physics with Mathematics and Computing.	Physics, Mathematics and Computing.
	Physics with Medical Applications	Core Physics with Medical Applications.	
	Physics with Astrophysics	Core Physics plus Galactic Astronomy, Astrophysical Techniques, Stellar Physics, The Early Universe.	
	Physics with Applied Mathematics	Core Physics with Applied Mathematics.	
	Physics with Extended Studies in Europe	Core Physics with European language and 1 year Physics study abroad; language qualification required.	
	Theoretical Physics	Selected modules of Physics/Applied Mathematics.	
	BSconly:(3years)PhysicsandComputerScience	Wide choice of Physics and Computing modules at later stages.	Core Physics and Computing.
Cork ■ CIT ■ www.cit.ie			
CR001	Applied Physics & Instrumentation BSc Degree (3 years), BSc Honours Degree (4 years)	Ordinarydegreeprovidesspecialisteducationinmeasurement/controlthathelpsdevelopdesigncapabilitiesininstrumentation.Honours degree programme option for suitably qualified graduates.	Applied Physics, Instrumentation, IT, Electronics, Maths, Chemistry.
CR360	BSc Honours – Instrument Engineering (4 years)	This physics based programme aims to produce instrument engineers for process and related industries, their service providers and system integrators.	Instrumentation,Physics,IT,Electronics,Maths and Chemistry.
CR365	BSc Honours - Environmental Science & Sustainable Technology	Thisphysicalsciencesbasedprogrammeaimstoproducepersonnelforarangeofcareerswithinenvironmentalscienceandsustainable technology.	EnvironmentalScience,SustainableTechnology, Physics,Chemistry,Maths,IT,Instrumentation.
Cork ■ UCC ■ www.ucc.ie			
CK408	BSc Single Honours (4 years)		
	Physics	Mainstream Physics degree for those wishing to be professional physicists in industry (e.g. telecommunications, finance, IT, etc.) and research. Includes theoretical and experimental aspects.	Physics,MathematicsandAppliedMathematics withoptionsfromChemistryandComputer Science. Note:theCK408degreescanalsobeentered from the CK407 Mathematical Sciences programme.
	Astrophysics	Core physics topics with astrophysics modules.	
	Chemical Physics	ProgrammeinPhysicsandPhysicalChemistrywithtopicsrelatedtomolecularsciences,spectroscopy,photophysicsandtheoreticalmodelling.	
	Education in Physical Sciences	Experience of second level teaching to help students determine if they would like to become physical sciences teachers.	
CK407	BSc Joint Honours in Mathematical Sciences		
	Physics and Mathematics	Core physics combined with high level abstract mathematics recommended for theoretical physicists.	Physics,Mathematics,AppliedMathematics and Statistics. Note:theCK407degreescanalsobeentered from the CK408 Physics and Astrophysics programme.
	Physics and Applied Mathematics	Core physics combined with advanced mathematical and computation methods recommended for theoretical physicists.	
Dublin ■ DCU ■ www.dcu.ie			
DC171	BSc Applied Physics (4 years)	FundamentalphysicswithspecialisationinLasers/Optoelectronics,IT/Computing,nanomaterials.EmphasisonlaboratoryworkandprojectsOptions: Nine month Industrial Placement or research laboratory placement in third year	Physics,Mathematics,IT,Astronomy,Chemistry.
DC167	BSc Physics with Astronomy (4 years)	StrongbackgroundinPhysicswithMathematicsandITforastronomyapplications.Astronomycontentthroughoutall4years.Individualandgroupprojectwork(someinconjunctionwithlocalandforeignobservatories)throughoutandincludesaforeignobservatoryfieldtrip.	Physics,Mathematics,IT,Astronomy,Chemistry.
DC 173	BSc Physics with Biomedical Sciences (4 years)	Physicswiththechemicalandbiologicalprinciplesandtechniquesneededtopursueacareerinbiomedicalhealthandmedicalphysics, incorporating a placement in industry, research group or a hospital physics department.	Physics,Mathematics,IT,Physiology,Chemistry.
DC203	BSc Science Education (4 years)	TrainingofScienceteachersqualifiedtoLeavingCertificateLevelintwofromPhysics,ChemistryandMathematics.Experienceofsecondary level teaching is provided mainly in years 2 and 3.	Physics,Chemistry,Mathematics,Biology,& Education.
DC165	Science International Entry BSc Applied Physics (4 years)	Choice from range of Science degrees at end of first year, including Applied Physics. International placement in year 3.	Physics,Chemistry,MathematicsandBiology.
DC201	Common Science Entry BSc Applied Physics (4 years) BSc Physics with Astronomy (4 years)	IntroductiontoPhysics,Chemistry,BiologyandMathematics.Choicefromrangeofsciencedegreesatendoffirstyearincluding Applied Physics and Physics with Astronomy.	Physics, Chemistry, Biology, Mathematics.
DC166	BSc Environmental Science & Health (4 years)	Mergingthetraditionalsciencedisciplineswiththedisciplineofhealth,approachedfromanenvironmentalperspective.Physicscourse includes Medical Physics and Meteorology.	Physics, Chemistry, Biology, Mathematics.
Dublin ■ DIT ■ http://www.physics.dit.ie/			
DT 260	BSc (Ordinary) Industrial and Environmental Physics (3 years)	TechnicalTraininginAppliedPhysics,withparticularfocusonphysicsappliedtotheindustrialworkplaceandenvironmentalphysics.Optionto proceed to honours degree programme for suitably qualified graduates.	Physics,Chemistry,Mathematics,Biology,IT, Professional Development.
DT 222	BSc (Honours) Physics Technology (4 years)	Thesecoursesprovidegraduateswithscientificandanalyticalskillsaswellasproblemsolvingability.Theywillprovidethestudentwitha soundlybasedandcoherentbodyofscientificandtechnicalknowledgethatisrelevanttothetechnologicalneedsofindustryandsociety.	Physics, Chemistry, Mathematics, IT, Professional Development.
DT 229	BSc (Honours) Clinical Measurement (4 years)	Integratedtraininginthareaofclinicalmeasurement,medicalmeasurementsystemsandinstrumentation.Year3ishospitalbased.	Physics, Chemistry, Biology, Mathematics, Statistics,Computers,Anatomy,Physiology,
DT 235	BSc (Honours) Physics with Medical Physics and Bioengineering (4 years)	AprogrammeinPhysicswithparticularemphasisonapplicationsofPhysicsandEngineeringtomedicaldevices,medicalphysicsand bioengineering. Industrial placement in year 3.	Physics, Biology, Chemistry, Mathematics, Computational Studies and Professional Development.
DT 227	BSc (Honours) Science with Nanotechnology (4 years)	Courseconsistsofcorephysicsandchemistrysubjects,withanincreasingfocusonnanoscienceandtechnologyinlateryears.Industrial placement in year 3.	Physics, Chemistry, Biology, Mathematics, Computational Studies, Professional Development.
Dublin ■ TCD ■ www.tcd.ie			
TR035	BA Theoretical Physics (4 years)	Includestheoreticalandexperimentalaspects,arangeofcoursesinpureandappliedmathematicsandanintroductiontocomputing,leading inlateryearstoClassicalFields,QuantumMechanics,StatisticalPhysics,CondensedMatterPhysics,ParticlePhysics,GeneralRelativityand other topics in theoretical physics. A liking for mathematics is essential.	Mathematics, Physics.
TR076	BA Nanoscience, Physics and Chemistry of Advanced Materials (4 years)	Applicationofphysicsandchemistrytothedevelopmentofnanodevices,nanostructuresandadvancedmaterialsrequiredbymodern technology. In sophister years this course places particular emphasis on nanomaterials and nanostructures.	Physics, Chemistry and Mathematics.
TR071	BA Physics (4 years) BA Physics and Astrophysics (4 years)	BalancedexperimentalandtheoreticaltrainingincorePhysics.Specialistcoursesinyears3and4includeOptoelectronics,Superconductivity, Magnetism,Semiconductordevices,CondensedMatterPhysics,QuantumMechanicsandHighEnergyPhysics.Studentscanopttospecialise in year 3 in Astrophysics for their final two years.	Physics,MathematicsandonefromChemistry, Geology/Geography, Biology.
Dublin ■ UCD ■ http://www.ucd.ie/science/			
DN200MPS	BSc Single Honours (4 years) BSc Joint Honours (4 years) BSc General Science (3 years)	Fullymodulardegreestructure,with12modulestakenperyear.Strongemphasisontraininginkeylaboratoryskills.CoursesincludeMedical Physics, High Energy Particle Physics, Lasers, Biophysics, Condensed Matter Physics, Quantum Mechanics and Relativity.	UCDScienceprovidesaflexibilityofchoicein first-yearsubjectstoincludephysics,mathematics andappliedandcomputationalmathematics. Atotalof10sciencemodulesmustbetakenin stage1,allowingstudentstotailortheirstudy plantofocusonphysicsortosamplemore widelytoexploretheirinterests.Studentsmay takeupto2oftheir12firstyearmodulesfrom the entire UCD first year selection.
DN200MPS	BSc Theoretical Physics (4 years)	MajorareasoftheoreticalphysicsMechanics,RelativityTheory,QuantumMechanics,ComputationalPhysics,AtomicPhysics,NuclearPhysics, Condensed Matter Physics and Astrophysics.	
DN200MPS	BSc Physics with Astronomy and Space Science (4 years)	Thisphysicsdegreeprogrammeplacesanemphasisontheapplicationsofphysicsinastrophysicsandspacescience.Studentswill gainanunderstandingofhowground-basedandspace-basedtechnologiesareusedtoexploretheUniverseandhowmodernscience canbeusedtounderstandit.Studentsgainhands-onexperienceinastronomicaltechniquesand,participateinaninternationalmission design workshop or astronomical observation field trip.	
Galway ■ GMIT ■ www.gmit.ie			
GA 773	BSc (Ordinary) Physics and Instrumentation. (Higher Cert if required after 2 years). BSc Ordinary (3 years). Option of add on BSc Honours (4 years)	Commonscienceentrytofirstyear,studentsmaythenchoosePhysicsandInstrumentationcourseforsecondyearandsubsequentyears (ladder structure). Course has strong emphasis on practical and project work to compliment theory.	FivefromPhysics,Instrumentation,Chemistry, ComputerApplications,Mathematics,Biology.
GA783	BSc (Honours) Physics and Instrumentation (4 years)	ThiscoursedevelopsdesignandproblemsolvingabilitiesinPhysics,Instrument&ControlSystems,AppliedOpticsandOptoelectronics, Semiconductors,SpectroscopicInstrumentation,ComputerInterfacingDigitalSignalandImageProcessing.Theseareachievedthroughan interesting and comprehensive programme of experimental and project work run in conjunction with the theoretical tuition.	Physics,Instrumentation,Chemistry,Computer Applications, Mathematics.
Galway ■ NUIG ■ www.nuigalway.ie			
GY301	Undenominated Science Entry leading to: BSc Single Honours (4 years) Physics and Applied Physics	This degree, with undenominated entry, covers all core Physics and Applied Physics. See entry for GY315 for details.	Four from: Physics, Biology, Chemistry, Computer Science, Earth & Ocean Science, Mathematics, Mathematical Physics.
	BSc Joint Honours Applied Mathematics and Physics (4 years)	ThisdegreehasanalmostequalemphasisonPhysicsandonMathematicalPhysicsthroughall4years.Themostimportanttopicsof Physics arecovered.Thiscourseiswellsuitedtostudentswholeantowardsthetheoreticalaspectsof Physics. Students enter GY301 and transfer to this programme at the end of their second year.	
GY315	BSc Physics and Applied Physics (4 years) Physics and Applied Physics	ThePhysicsandAppliedPhysicscourseprovidescomprehensivecoverageofPhysics,includingMechanics,Heat,Sound,Electricity& Magnetism,Optics,AtomicandNuclearPhysics,Relativity,QuantumMechanicsaswellasspecialisedcoursesinOptoelectronics, AtmosphericPhysics,Nanotechnology,ComputationalPhysics,SignalAnalysisandImageProcessing.OptionalunitsinAstrophysics or Medical Physics can also be taken.	Physics, plus three from the following: Astronomy, Mathematics, Mathematical Physics, Chemistry or Computer Science.
GY316	BSc Physics with Medical Physics (4 years)	ThisprogrammecombinesessentialcorePhysicsmoduleswithMedicalPhysics,Chemistry,MathematicalScience,BiologyandAnatomy. Graduates of this course will be qualified to continue to professional graduate training in medical physics or to pursue a career in research, industry, teaching and other many areas.	Physics, Mathematics, Chemistry, Biology, Introduction to Medical Physics.
GY317	BSc Physics with Astrophysics (4 years)	ThisprogrammehasastrongemphasisonComputingandMathematics,inwhichthefullcorePhysicsprogrammeiscomplementedby parallelcourseswhichcoverthelatestadvancesinAstrophysics.TherearesubstantialAstrophysicsunitsineachyear,withhands-onpracticals in observing, data analysis, and simulation, including a 3rd year field trip to a large observatory in Italy, and the use of a well-equipped radio and optical observatory on campus.	Astronomy, Physics, Mathematics, Mathematical Physics, Computing.
GY319	BSc Mathematical Science (4 years)	ThisprogrammecoversallaspectsofMathematicsanditsapplications,givingstudentsasolidfoundationintheMathematicalSciences. Physicsmaybeoptionallytakeninfirstandsecondyear.Studentsspecialiseinlateryearsin:Mathematics,AppliedMathematics,Theoretical Physics, Financial Mathematics, Computer Science, or Statistics with Bioinformatics.	Applied Mathematics, Computing, Mathematics,AppliedMathematics,Probability andStatisticsandonefromPhysics,Biology, Chemistry or Earth and Ocean Sciences.
Limerick ■ UL ■ www.ul.ie			
LM065	BSc Applied Physics (4 years)	Theprogrammeprovidesastrongfoundationinthefundamentalprinciplesofphysics,andbuildsonthistoprovideathoroughunderstanding ofmatterandits manipulationontheatomicscalewiththepurposeofcreating,characterising,controllingandunderstandingnanodevices/ nanomaterials. The course provides the training to work in the high-technology sector, in particular the semiconductor industry, but also prepares graduates for research careers in medical physics, nanotechnology and energy.	Physics,Mathematics,Chemistry,Electronics.
LM087	BSc Energy (4 years)	Studentsstudyphysics,chemistry,electronicsandelectricalscience,togetherwithintroductorycoursesonenergy,sustainabledevelopment, andearthsciencetoprovideathoroughgroundinginenergy.Inthelateryearsstudentscanstudysolar,nuclear,wind,oceanand hydroelectricenergy,transportation,andadvancedmethodsofenergycontrolandstorage.StudentscanspecialiseineitherEnergyControl, Energy Markets, Energy Management or Energy Science, preparing them for careers in these areas.	Energy,Physics,Chemistry,Biology,Electronics, Mathematics.
LM096	BSc (Education) Physical Science (4 years)	Thecorephysics,chemistryandmathematicssubjectsrunconcurrentlywithateachereducationprogramme.Graduatesarequalifiedtoteach Leaving Certificate Physics, Leaving Certificate Chemistry and Junior Certificate Science in all Irish post-primary schools.	Physics,Chemistry,Mathematics,Education.
Maynooth ■ NUIM ■ www.nuim.ie			
MH201	BSc Single Honours (4 years)		
	Experimental Physics	Programmeforthoseinterestedinspecialisinginmainstream Experimental Physics. Topics include Quantum Mechanics, Relativity, Planetary Science, Solid-State Devices, Radiation & Medical Physics, Particle Physics.	
	Theoretical Physics	Programmeforthoseinterestedinspecialisinginmainstream Theoretical physics. Topics include Electromagnetism, Quantum mechanics, Relativity, Chaos, Non-Linear Dynamics & Quantum Information.	
	BSc Joint Honours (4 years)		
	Experimental Physics with Theoretical Physics	Programme for those who want to combine Experimental and Theoretical Physics at an honours level.	Experimental Physics and/or Mathematical Physics,Mathematics,andone/twoofBiology, Chemistry,ComputerScience(4subjectstotal).
	Experimental Physics or Theoretical Physics with one of Mathematics, Biology, Chemistry, Computer Science	Programme for those who want to combine a core Physics programme with another subject at an honours level.	
MH204	BSc Single Honours (4 years) Physics with Astrophysics	SpecialistAstrophysicstopicsarestudiedinadditiontocorePhysicscourses.Topicsincludestellarstructureandevolution,neutronstars,black holes,high-energyastrophysics,cosmology&astronomicalinstrumentation.Includesfieldtripstoopticalandradioastronomicalobservatories and ESA.	
MH206	BSc Honours (3 years) Theoretical Physics & Mathematics	Accelerated degree in Mathematics and Theoretical Physics.	
MH212	BSc (Honours) Science Education (4 years)	Thisdegreeisforstudentswhowishtobecometeachersofscienceinsecond-levelschools.Studentsstudyeducationdisciplinesathonours levelandalsogainpracticalteachingexperience.Theuseofnewtechnologiesasasupportforteachingandlearningisamajorfeatureofthis course.ExperimentalPhysics(seeMH201)andanothersciencesubjectcanbetakentohonoursdegreelevelsostudentswillbequalifiedto teach their chosen science subjects or to follow a career as a physicist.	Experimental Physics, Biology, Chemistry and Mathematics
Waterford ■ WIT ■ www.wit.ie			
WD180	BSc (Honours) in Physics for Modern Technology	This4-yeardegreeprogrammewillprovidestudentswiththeknowledge,skillsandexpertisetoworkinarangeofindustriesinthehigh technologysector.Topicsinclude:AlternativeEnergy;Photonics,LasersandOpticalSystems;MaterialsEngineering;SemiconductorDevice Technology;InstrumentationandMeasurementSystems;ProgrammingandNetworking.Year3includesa6-monthworkplacementinindustry.	Physics, Mathematics, Programming Fundamentals, Materials Engineering, DataAcquisitionandScienceSupportStudies.