

Table 1: Joint Honours Combinations available in the A AND B degree

The table above shows the combinations that are currently available (an * indicates that combining these two subjects is possible and the abbreviations represent the subjects in the above list).

8. In order to qualify for the degree BSc in A with B, students in Levels 2 and 3 must select modules from the same two subjects and the number of credits in subject A must be greater than the number of credits in subject B over the last two Levels. The availability of subject combinations will be determined by the timetable. The following are currently available:

	An	Ar	As	Bi	Ch	CS	ES	Ec	Gg	Ma	Ph	Py	Ps
An	*	*	*	*					*		*	*	*
Ar	*			*	*	*			*		*		
As													
Bi	*	*			*		*		*	*	*		*
Ch	*	*	*	*		*	*	*	*	*	*		*
CS		*	*		*				*	*	*	*	*
ES		*	*	*	*				*	*	*		*
Ec		*		*					*	*	*	*	*
Gg	*	*		*	*	*	*	*		*	*		*
Ma		*	*	*	*	*	*	*			*	*	*
Ph	*	*	*	*	*	*	*	*	*			*	*
Py	*				*	*	*	*		*			
Ps	*			*		*			*	*	*		

Table 2: Joint Honours Combinations available in the A WITH B degree

The table above indicates which subjects can be combined to form a Joint Honours ‘with’ degree (an * in row A and column B indicates that it is possible to obtain an ‘A with B’ degree in those two subjects).

9. The degree certificate issued to successful students who have not taken a BSc Natural Sciences degree shall list all subjects in which they have taken at least 40 credits during Levels 2 and 3 of the degree programme.

MODULES AVAILABLE WITHIN THE BSC NATURAL SCIENCES PROGRAMME AND REQUIREMENTS FOR THE B.Sc. JOINT HONOURS DEGREES WITHIN NATURAL SCIENCES

The modules that form the Natural Sciences programme are listed below. Students can choose modules not contained within the programme, provided that no more than 120 credits over the three Levels of the degree are from outside the Natural Sciences programme. All choices of modules require the approval of the Deputy Dean (Natural Sciences). All selected modules must be timetable compatible.

ANTHROPOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Human Origins and Diversity	ANTH1071	20
	People and Cultures	ANTH1061	20
Level 2 Modules	Biological Anthropology I	ANTH2061	20
	Biological Anthropology II	ANTH2011	20
	Biology, Culture and Society	ANTH2021	20
	Field Methods	ANTH2031	20
	Sociocultural Anthropology I	ANTH2051	20
	Sociocultural Anthropology II	ANTH2041	20
Level 3 Modules	Business Anthropology	ANTH3041	20
	Change and Development	ANTH3111	20
	Current Issues in Sociocultural Anthropology	ANTH3011	20
	Dissertation in Anthropology	ANTH3141	20
	Human Evolution	ANTH3061	20
	Hunters and Gatherers Past and Present (AN)	ANTH3071	20
	Medical and Nutritional Anthropology	ANTH3151	20

Primate Evolution and Adaptation	ANTH3091	20
Regional Studies *	ANTH3181	20
Social Evolution	ANTH3121	20
Anthropology of Community in Britain *	HUSS3351	20
Applying Anthropology: From Knowledge and Practice *	HUSS3251	20
Cyber Anthropology	HUSS3471	20
Environmental Anthropology	HUSS3231	20
Evolutionary Medicine	HUSS3361	20
Mental Health, Illness and Drug Use	HUSS3241	20
Nations and Ethnic Groups	HUSS3331	20
New Perspectives on Family and Kinship *	HUSS3321	20
Populations and Development	HUSS3311	20
Reconstructing Ancient Populations	HUSS3201	20

* Not available in 2006-2007.

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING ANTHROPOLOGY

Level 1	ANTH1071 Human Origins and Diversity ANTH1061 People and Cultures
Level 2	ANTH2061 Biological Anthropology I and/or ANTH2011 Biological Anthropology II. Any further modules in Anthropology must be selected from the Level 2 Anthropology modules listed above.
Level 3	Modules selected from the Level 3 Anthropology modules listed above. If Anthropology modules to the value of 60 credits or more are taken, one 20 credit module can be at Level 2.

ARCHAEOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Ancient Civilisations of the East Discovering World Prehistory From Roman Empire to Nation State Introduction to Archaeology Scientific Methods in Archaeology 1	ARCH1111 20 ARCH1121 20 ARCH1101 20 ARCH1071 20 ARCH1041 20
Level 2 Modules	Ancient Complex Societies in Action Scientific Methods in Archaeology 2 Archaeology of Medieval and post-Medieval Britain Experimental Methods in Archaeological Science (EMAS) Field Archaeology of Britain and Ireland Mediterranean Expansion: Rome and Native Societies Prehistoric Europe: from Foragers to State Formation	ARCH2141 20 ARCH2041 20 ARCH2131 20 ARCH2111 20 ARCH2101 20 ARCH2091 20 ARCH2081 20
Level 3 Modules	Archaeological Artefacts and Materials * Archaeological Surveying * Archaeology Dissertation (20 Credits) Computer Techniques in Archaeology * Scientific Methods in Archaeology 3 Hunters and Gatherers Past and Present (AR) Specialised Aspects of Archaeology (20 Credits) Specialised Aspects of Archaeology (40 Credits)	ARCH3471 20 ARCH3491 20 ARCH3371 20 ARCH3071 20 ARCH3051 20 ARCH3521 20 ARCH3451 20 ARCH3472 40

Only one of the modules marked with a * can be chosen. These modules are capped and students wishing to take one should contact the Department of Archaeology before the start of the examination period in Level 2 for details of application procedures.

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING ARCHAEOLOGY

Level 1	ARCH1041 Scientific Methods in Archaeology 1 plus at least one of ARCH1121 Discovering World Prehistory, ARCH1101 From Roman Empire to Nation State and ARCH1111 Ancient Civilisations of the East. If modules to the value of 60 credits or more in Archaeology are taken, the third 20 credit module must be ARCH1071 Introduction to Archaeology.
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Level 2	ARCH2041 Scientific Methods in Archaeology 2 plus modules to the value of 20, 40 or 60 credits from the list of Level 2 Archaeology modules listed above. One 20 credit Level 1 Archaeology module may be taken if Archaeology modules to the value of 60 or 80 credits are taken, unless Level 1 Archaeology modules to the value of 80 credits have been taken.
Level 3	ARCH3051 Scientific Methods in Archaeology 3 and modules up to the value of 60 credits from the Level 3 Archaeology modules listed above. If modules to the value of 60 credits or more in Archaeology are taken, then ARCH3371 Archaeology Dissertation (20 Credits) must be taken, unless a Dissertation module is being taken in the other subject.

BIOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Core Skills for Biology	BIOL1091	20
	Introduction to Molecular and Cell Biology	BIOL1072	40
	Introduction to Whole Organisms and the Environment	BIOL1082	40
Level 2 Modules	Animal Biology	BIOL2231	20
	Biochemistry	BIOL2191	20
	Biotechnology	BIOL2171	20
	Cell Structure and Function	BIOL2211	20
	Development 1	BIOL2221	20
	Evolutionary Biology	BIOL2241	20
	Experimental and Molecular Biology	BIOL2181	20
	Field and Experimental Biology	BIOL2251	20
	Molecular Biology	BIOL2201	20
	Patterns and Processes	BIOL2261	20
	Plant Biology	BIOL2271	20
	Pure and Applied Population Ecology	BIOL2281	20
Level 3 Modules	Advanced Biochemistry (Lit)	BIOL3371	20
	Behavioural and Evolutionary Ecology (Lit)	BIOL3351	20
	Cell Signals and Protein Targeting (Lit)	BIOL3341	20
	Conservation Biology (Lit)	BIOL3331	20
	Contemporary Issues in Ecology (P)	BIOL3391	20
	Crop Protection (L)	BIOL3321	20
	Development 2 (P)	BIOL3281	20
	Health and Environment (P)	BIOL3411	20
	Molecular and Cellular Physiology (Lit)	BIOL3231	20
	Molecular Basis of Disease (P)	BIOL3221	20
	Palaeoecology (Lit)	BIOL3171	20
	Palaeoecology (P)	BIOL3381	20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING BIOLOGY

There are two routes through Biological Sciences: the Whole Organisms route and the Cell Biology route.

WHOLE ORGANISMS ROUTE:

Level 1	BIOL1082 Introduction to Whole Organisms and the Environment
Level 2	Modules selected from the Level 2 Biology modules listed above.
Level 3	Modules selected from the Level 3 Biology modules listed above.

CELL BIOLOGY ROUTE:

Level 1	BIOL1072 Introduction to Molecular and Cell Biology
Level 2	Modules selected from the Level 2 Biology modules listed above.
Level 3	Modules selected from the Level 3 Biology modules listed above.

BUSINESS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Introduction to Management	BUSI1101	20
	Business Accounting and Finance	ECON1041	20
	Economic Methods	ECON1021	20
	Elements of Economics	ECON1011	20

Level 2 Modules	Marketing Management The Small Business and its Development Organisational Behaviour	BUSI2111 BUSI2031 BUSI2121	20 20 20
Level 3 Modules	Asia and the Pacific Rim Dissertation in Business (20 Credits) Public Administration and Management	BUSI3041 BUSI3091 BUSI3031	20 20 20

CHEMISTRY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Core Chemistry 1A Core Chemistry 1B Molecules in Action	CHEM1012 CHEM1022 CHEM1061	40 40 20
Level 2 Modules	Biological Chemistry Chemistry of the Elements Computational Chemistry Core Chemistry 2 Properties of Molecules Ring Chemistry	CHEM2051 CHEM2021 CHEM2061 CHEM2012 CHEM2041 CHEM2031	20 20 20 40 20 20
Level 3 Modules	Advanced Organic Chemistry Chemistry and Society Core Chemistry 3 Inorganic Concepts and Applications Materials Chemistry Molecules and their Interactions	CHEM3031 CHEM3061 CHEM3012 CHEM3021 CHEM3051 CHEM3041	20 20 40 20 20 20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING CHEMISTRY

Level 1	CHEM1012 Core Chemistry 1A
Level 2	CHEM2012 Core Chemistry 2

Students taking at least 60 credits of Chemistry must take at least one of **CHEM2021**Chemistry of the Elements, **CHEM2031**Ring Chemistry or **CHEM2041**Properties of Molecules.

Level 3	CHEM3012 Core Chemistry 3. Any other modules can be selected from the Level 2 or Level 3 Chemistry modules listed above.
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COMPUTER SCIENCE MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Computer Systems Formal Aspects of Computer Science Foundations of Computer Science Introduction to Programming Programming and Data Structures	COMP1071 COMP1021 COMP1041 COMP1011 COMP1082	20 20 20 20 40
Level 2 Modules	Computer Systems II Programming and Reasoning Software Applications Software Engineering Theory of Computation	COMP2161 COMP2171 COMP2071 COMP2092 COMP2181	20 20 20 40 20
Level 3 Modules	Advanced Artificial Intelligence (20 Credits) Advanced Artificial Intelligence (40 Credits) Advanced Software Applications and Methodologies (20 Credits) Advanced Software Applications and Methodologies (40 Credits) Advanced Software Engineering (20 Credits) Advanced Software Engineering (40 Credits) Advanced Theory of Computation (20 Credits) Advanced Theory of Computation (40 Credits) Artificial Intelligence Project Computer Science Project Software Engineering Project	COMP3311 COMP3352 COMP3331 COMP3332 COMP3221 COMP3152 COMP3341 COMP3342 COMP3292 COMP3012 COMP3282	20 40 20 40 20 40 20 40 40 40 40

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING COMPUTER SCIENCE

Level 1	(COMP1011 Introduction to Programming or COMP1082 Programming and Data Structures) COMP1021 Formal Aspects of Computer Science
Level 2	Modules selected from the Level 2 Computer Science modules listed above.
Level 3	Modules selected from the Level 2 and Level 3 Computer Science modules listed above.

EARTH SCIENCES MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Earth and Environment	GEOL1041	20
	Earth History and Life	GEOL1031	20
	Earth Materials	GEOL1021	20
	Field Studies	GEOL1051	20
	How the Earth Works	GEOL1011	20
	Mathematical Methods in Geosciences	GEOL1061	20
	The Oceans	GEOL1071	20
Level 2 Modules	Chemical Tracing of Earth Processes	GEOL2171	20
	Earth Visualisation L2	GEOL2221	20
	Fieldwork I	GEOL2191	20
	Fieldwork II	GEOL2201	20
	Fossils and Dynamic Stratigraphy of the British Isles	GEOL2051	20
	Geophysics Methods in Geology	GEOL2081	20
	Petrology of Earth Materials	GEOL2031	20
	Structural Geology and Tectonics	GEOL2011	20
Level 3 Modules	Dissertation	GEOL3022	40
	Dynamic Earth I	GEOL3011	20
	Dynamic Earth II	GEOL3181	20
	Earth Science into Schools	GEOL3251	20
	Earth Structure and Dynamics	GEOL3151	20
	Earth System and Climate	GEOL3231	20
	Environmental Geochemistry	GEOL3041	20
	Evolutionary Palaeobiology	GEOL3071	20
	Geology and Geophysics Dissertation	GEOL3131	20
	Magmatism	GEOL3051	20
	Petroleum Geophysics	GEOL3221	20
	Rheology and Deformation Processes	GEOL3091	20
	Sedimentary and Petroleum Systems	GEOL3031	20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING EARTH SCIENCES

There are two routes through Earth Sciences: the Geological Sciences route and the Geophysics route.

GEOLOGICAL SCIENCES ROUTE:

Level 1	GEOL1011 How the Earth Works GEOL1021 Earth Materials
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To obtain accreditation the above two modules must be taken. In addition [GEOL1051](#)Field Studies and [GEOL1041](#)Earth and the Environment must be taken at either Level 1 or Level 2.

Level 2	Modules selected from the Level 1 and Level 2 Earth Sciences modules listed above.
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To obtain accreditation modules to the value of 60 credits or more must be taken and these must include [GEOL2191](#)Fieldwork 1, [GEOL1041](#)Earth and the Environment and [GEOL1051](#)Field Studies if these modules have not already been studied.

Level 3 Modules selected from the Level 3 Earth Sciences modules listed above. If modules to the value of 60 credits or more are taken, one 20 credit module can be at Level 2.

To obtain accreditation **GEOL3022**Dissertation must be taken and modules to the value of at least 40 credits must be taken from the Level 3 Earth Sciences list above.

Accreditation note: the above specified pathway within Natural Sciences has been accredited by the Geological Society for a period of six years with effect from June 2004, subject to students choosing modules that constitute an approved pathway as indicated above.

GEOPHYSICS ROUTE:

Level 1	GEOL1011 How the Earth Works GEOL1021 Earth Materials (MATH1561 Single Mathematics A and MATH1571 Single Mathematics B) or MATH1551 Mathematics for Scientists and Engineers or MATH1012 Core Maths A or GEOL1061 Mathematical Methods in Geosciences
Level 2	Modules selected from the Level 2 Earth Sciences modules listed above.
Level 3	Modules selected from: GEOL3022 Dissertation GEOL3221 Petroleum Geophysics GEOL3151 Earth Structure and Dynamics GEOL3131 Geology and Geophysics Dissertation

ECONOMICS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Business Accounting and Finance	ECON1041	20
	Economic Methods	ECON1021	20
	Elements of Economics	ECON1011	20
	Introduction to Environmental Economics	ECON1051	20
	The British Economy	ECON1031	20
Level 2 Modules	Business Competition	ECON2081	20
	Corporate Finance	ECON2101	20
	Economic Data Analysis	ECON2061	20
	Economic Principles I: Macroeconomics	ECON2011	20
	Economic Principles II: Microeconomics	ECON2021	20
	Economics of Social Policy	ECON2091	20
	European Economics	ECON2071	20
	Intermediate Methods for Economics and Finance	ECON2121	20
Level 3 Modules	Advanced Macroeconomic Theory	ECON3201	20
	Advanced Microeconomic Theory	ECON3211	20
	Applied Econometrics	ECON3011	20
	Development Economics	ECON3171	20
	Dissertation in Economics	ECON3012	40
	History of Economic Thought	ECON3051	20
	Industrial Organisation	ECON3061	20
	International Economics	ECON3071	20
	Labour Economics	ECON3081	20
	Monetary Economics	ECON3111	20
	Public Economics	ECON3191	20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING ECONOMICS

Level 1	ECON1011 Elements of Economics and ECON1021 Economic Methods, unless any Level 1 Maths modules are taken in which case ECON1031 The British Economy is taken in place of ECON1021 Economic Methods.
Level 2	ECON2011 Economic Principles I: Macroeconomics ECON2021 Economic Principles II: Microeconomics
Level 3	Any further modules selected from the Level 2 Economics modules listed above. Modules selected from the Level 3 Economics modules listed above. If modules to the value of 60 credits or more are taken, one 20 credit module can be at Level 2.

GEOGRAPHY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Cities: From the Greeks to Globalisation	GEOG1211	20
	Environment and Society	GEOG1061	20
	Human Geography: Space and Place in a Changing World	GEOG1071	20
	Information Technology and Skills for Geographers	GEOG1201	20
	Physical Geography: Earth Systems Science	GEOG1081	20
Level 2 Modules	Development, Society and the Environment	GEOG2541	20
	Environmental Processes and Management	GEOG2251	20
	Fluvial Systems	GEOG2521	20
	GIS and Remote Sensing	GEOG2221	20
	Glaciation and Landforms (with Project)	GEOG2341	20
	Global Climate Change	GEOG2571	20
	Political Geography	GEOG2581	20
	Quaternary Studies with Field Weekend	GEOG2321	20
	Scientific Research in Geography	GEOG2462	40
	Social and Cultural Geography	GEOG2561	20
Level 3 Modules	Dissertation (40 Credits) in Geography B	GEOG3432	40
	Dynamics of Gravel-Bed Rivers	GEOG3461	20
	Environmental Processes of Change: Field Case Studies	GEOG3491	20
	Environmental Remote Sensing	GEOG3261	20
	Geography, Gender and Change *	GEOG3161	20
	Hazard and Risk	GEOG3621	20
	Philosophy and Geography	GEOG3481	20
	Sea-Level Change and Coastal Evolution	GEOG3191	20
	Specialised Aspects of Physical Geography	GEOG3431	20
	The Quaternary of Glaciated Regions	GEOG3511	20
	Urban Transformations in the New Europe	GEOG3501	20
	Visual Culture, Media and the Politics of Place	GEOG3571	20

* Not available in 2006-2007.

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING GEOGRAPHY

Level 1	Two 20 credit modules from the following: GEOG1081 Physical Geography GEOG1071 Human Geography GEOG1201 Information Technology and Skills for Geographers GEOG1061 Environment & Society GEOG1211 Cities: From the Greeks to Globalisation
Level 2	Modules selected from the Level 2 Geography modules listed above.
Level 3	Modules selected from the Level 2 and Level 3 Geography modules listed above.

MATHEMATICS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Core Mathematics A	MATH1012	40
	Core Mathematics B1	MATH1051	20
	Core Mathematics B2	MATH1041	20
	Data Analysis, Modelling and Simulation	MATH1711	20
	Discrete Mathematics	MATH1031	20
	Maths for Engineers and Scientists	MATH1551	20
	Single Mathematics A	MATH1561	20
	Single Mathematics B	MATH1571	20
	Statistics	MATH1541	20
Level 2 Modules	Algebra and Number Theory II	MATH2061	20
	Analysis in Many Variables II	MATH2031	20
	Codes and Actuarial Mathematics II	MATH2131	20
	Codes and Geometric Topology II	MATH2141	20
	Complex Analysis II	MATH2011	20
	Contours and Actuarial Mathematics II	MATH2171	20
	Linear Algebra II	MATH2021	20
	Mathematical Physics II	MATH2071	20
	Numerical Analysis II	MATH2051	20
	Probability and Actuarial Mathematics II	MATH2161	20

Level 3 Modules	Probability and Geometric Topology II Statistical Concepts II	MATH2151 20 MATH2041 20
<u>Modules running 2006-2007</u>		
	Approximation Theory and Solutions of ODEs III	MATH3081 20
	Bayesian Statistics III	MATH3341 20
	Elliptic Functions III	MATH3221 20
	Geometry III	MATH3201 20
	Number Theory III	MATH3031 20
	Probability III	MATH3211 20
	Solitons III	MATH3231 20
	Statistical Mechanics III	MATH3351 20
<u>Modules running 2007-2008</u>		
	Analysis III	MATH3011 20
	Bayesian Methods III	MATH3311 20
	Continuum Mechanics III	MATH3101 20
	General Relativity III	MATH3331 20
	Mathematical Finance III	MATH3301 20
	Representation Theory and Modules III	MATH3191 20
	Stochastic Processes III	MATH3251 20
<u>Modules available every year</u>		
	Decision Theory III	MATH3071 20
	Differential Geometry III	MATH3021 20
	Dynamical Systems III	MATH3091 20
	Electromagnetism III	MATH3181 20
	Galois Theory III	MATH3041 20
	Mathematical Biology III	MATH3171 20
	Mathematics Teaching III	MATH3121 20
	Operations Research III	MATH3141 20
	Partial Differential Equations III	MATH3291 20
	Quantum Mechanics III	MATH3111 20
	Statistical Methods III	MATH3051 20
	Topology III	MATH3281 20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING MATHEMATICS

- Level 1** [MATH1012](#)Core Mathematics A. If the other subject is Physics, then [MATH1051](#)Core Mathematics B1 must be taken.
- Level 2** If the other subject is not Physics [MATH1051](#)Core Mathematics B1 (if not taken previously). Any other modules selected from the Level 2 Mathematics modules listed above.
If the other subject is Physics at least [MATH2021](#)Linear Algebra II, [MATH2031](#)Analysis in Many Variables II and either [MATH2011](#)Complex Analysis II or [MATH2121](#)Contours and Hyperbolic Geometry II must be taken.
- Level 3** Students select modules from the Level 3 Mathematics modules listed above. If Maths modules to the value of 60 or 80 credits are taken one 20 credit module can be at Level 2.

PHILOSOPHY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Ethics and Values History of Scientific Thought Introduction to Logic History and Theory of Medicine Knowledge and Reality Philosophy of Science Reading Philosophy	PHIL1011 20 PHIL1071 20 PHIL1031 20 PHIL1051 20 PHIL1021 20 PHIL1061 20 PHIL1041 20
Level 2 Modules	Biomedical Ethics Logic Metaphysics Modern Philosophy I	PHIL2051 20 PHIL2021 20 PHIL2141 20 PHIL2031 20

Level 3 Modules	Moral Theory	PHIL2041	20
	Philosophy of Mind	PHIL2011	20
	Philosophy of Religion	PHIL2091	20
	Political Philosophy	PHIL2081	20
	Reason, Knowledge and Society	PHIL2111	20
	Science and Religion	PHIL2071	20
	Theory, Literature and Society	PHIL2131	20
	20 th Century European Philosophy	PHIL3051	20
	Aesthetics	PHIL3031	20
	Applied Ethics	PHIL3071	20
	Ethical Concepts	PHIL3131	20
	Gender, Film and Society	PHIL3141	20
	Modern Philosophy II	PHIL3011	20
	Ontology	PHIL3161	20
	Philosophical Issues in Contemporary Science	PHIL3021	20
	Philosophy Long Dissertation	PHIL3112	40
	Philosophy of Language	PHIL3061	20
	Philosophy Short Dissertation	PHIL3101	20
	History of the Body	HEAL3001	20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING PHILOSOPHY

- Level 1** Two 20 credit modules selected from the Level 1 Philosophy modules listed above.
- Level 2** Modules selected from the Level 2 Philosophy modules listed above.
- Level 3** Modules selected from the Level 3 Philosophy modules listed above. If modules to the value of 60 credits or more are taken, one 20 credit module can be at Level 2.

PHYSICS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1 Modules	Astronomy for All	PHYS1071	20
	Discovery Skills in Physics	PHYS1101	20
	Foundations of Physics 1	PHYS1122	40
	Fundamental Physics A	PHYS1111	20
	Fundamental Physics B	PHYS1131	20
	Introduction to Astronomy	PHYS1081	20
Level 2 Modules	Electronics and Physics Laboratory	PHYS2561	20
	Foundations of Physics 2	PHYS2511	20
	Laboratory Skills and Practice	PHYS2551	20
	Mathematical Methods in Physics	PHYS2521	20
	Stars and Galaxies	PHYS2541	20
	Thermal and Condensed Matter Physics	PHYS2531	20
Level 3 Modules	Astrophysics	PHYS3541	20
	Condensed Matter Physics	PHYS3531	20
	Foundations of Physics 3	PHYS3522	40
	Key Skills A	PHYS3561	20
	Key Skills B	PHYS3571	20
	Laboratory Project	PHYS3601	20
	Mathematics Workshop	PHYS3591	20
	Team Project	PHYS3581	20
	Theoretical Physics	PHYS3551	20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING ASTRONOMY

- Level 1** PHYS1101 Discovery Skills in Physics and (PHYS1111 Fundamental Physics A or PHYS1122 Foundations of Physics 1) (MATH1561 Single Mathematics A and MATH1571 Single Mathematics B) or MATH1012 Core Mathematics A or MATH1551 Mathematics for Engineers and Scientists
- Level 2** PHYS2541 Stars and Galaxies and PHYS2551 Laboratory Skills and Practice plus one other 20 credit module of Physics at Level 1 or Level 2 excluding PHYS1081 Introduction to Astronomy.
- Level 3** PHYS3541 Astrophysics and PHYS3601 Laboratory Project.

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING PHYSICS

Level 1	<p>PHYS1122Foundations of Physics 1 (MATH1561Single Mathematics A and MATH1571Single Mathematics B) or MATH1012Core Mathematics A or MATH1551Mathematics for Engineers and Scientists</p>
Level 2	<p>For a Joint Honours ‘and’ or a Joint Honours ‘Physics with’ degree not involving Mathematics, the following must be taken PHYS2511Foundations of Physics 2, PHYS2521Mathematical Methods in Physics and PHYS1101Discovery Skills in Physics if not taken previously. The module PHYS2551Laboratory Skills and Practice is also required for these degrees, but may be taken in either Level 2 or Level 3.</p> <p>For a Joint Honours ‘and’ or a Joint Honours ‘Physics with’ degree with Mathematics, PHYS2511Foundations of Physics 2 and at least two of PHYS2531Thermal and Condensed Matter Physics, PHYS2541Stars and Galaxies, PHYS2551Laboratory Skills and Practice must be taken. The modules PHYS2551Laboratory Skills and Practice and PHYS2531Thermal and Condensed Matter Physics must be taken in either Level 2 or Level 3.</p> <p>If the other subject is Mathematics, PHYS2521Mathematical Methods in Physics cannot be taken.</p> <p>For a Joint Honours ‘Physics with’ degree PHYS2531Thermal and Condensed Matter Physics must be taken in either Level 2 or Level 3.</p> <p>For a Joint Honours ‘with Physics’ degree modules selected from the Level 2 Physics modules listed above.</p> <p>For a Joint Honours ‘and’ or a Joint Honours ‘Physics with’ degree PHYS3522Foundations of Physics 3 must be taken. Any further modules must be selected from the Level 3 Physics modules listed above. If PHYS2551Laboratory Skills and Practice was not taken in Level 2 it must be taken in Level 3.</p> <p>For a Joint Honours ‘with Physics’ degree modules can be selected from the Level 3 Physics modules listed above.</p> <p>For a Joint Honours ‘Physics with’ degree PHYS2531Thermal and Condensed Matter Physics must be taken in either Level 2 or Level 3.</p>
Level 3	

Accreditation note: Joint Honours degrees of the type ‘Physics and A’ and ‘Physics with A’, where A can be Anthropology, Chemistry, Computer Science, Earth Science, Economics, Mathematics and Philosophy, are accredited by the Institute of Physics until February 2009.

PSYCHOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

Level 1	Introduction to Psychological Research	PSYC1062	40
Modules	Introduction to Psychology I	PSYC1071	20
	Introduction to Psychology II	PSYC1081	20
Level 2	Abnormal Psychology and Personality	PSYC2071	20
Modules	Brain Processes of Cognition and Perception	PSYC2111	20
	Memory and Language	PSYC2081	20
	Social and Developmental Psychology	PSYC2021	20
Level 3	Child Health Psychology	PSYC3061	20
Modules	Developmental Psychology	PSYC3031	20
	Emotion and Social Cognition	PSYC3171	20
	Neuropsychology	PSYC3011	20
	Psychology Project and Statistics	PSYC3041	20
	Social Psychology	PSYC3081	20
	The Architecture of Vision	PSYC3181	20
	Applications of Cognitive Psychology	PSYS3191	20
	Applied Development Psychology	PSYS3171	20
	Clinical Cognitive Neuroscience	PSYS3191	20
	Psychology and Health	PSYS3041	20

REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING PSYCHOLOGY

Level 1 [PSYC1062](#)Introduction to Psychological Research and normally [PSYC1071](#)Introduction to Psychology I. [PSYC1081](#)Introduction to Psychology II can be taken if [PSYC1071](#)Introduction to Psychology I does not fit in the timetable, but for a BPS accredited Joint Honours ‘and’ or ‘Psychology with’ degree, [PSYC1081](#)Introduction to Psychology II can only be taken if students have Biology or Psychology at A Level with grade B or higher (or the equivalent in other qualifications).

Level 2 At least:

[PSYC2081](#)Memory and Language

[PSYC2111](#)Brain Processes of Cognition and Perception

[PSYC2021](#)Social and Developmental Psychology.

Level 3 For a Joint Honours ‘and’ or ‘Psychology with’ degree, [PSYC3041](#)Psychology Project and Statistics, [PSYC2071](#)Abnormal Psychology and Personality (if not taken previously) and Psychology module(s) to the value of either 20 or 40 credits from the Level 3 Psychology list above must be taken.

For a Joint Honours ‘with Psychology’ degree, modules selected from the Level 2 or Level 3 Psychology modules listed above.

Accreditation note: The specified pathways through the ‘and’ and ‘Psychology with’ programmes shown in the regulations are accredited from 2003 - 2004 for five cohorts as conferring eligibility for Graduate Membership of The British Psychological Society with the Graduate Basis for Registration. Students entering in and after October 2006 need to achieve a minimum of a second class honours degree to gain eligibility. Joint Honours degrees of the form ‘A with Psychology’ are not accredited.
