

For 2007 entrants only  
**BSc NATURAL SCIENCES (CFG0)**

Programme offered at: Durham.

Mode of study: this programme is available full-time.

1. All module selections must be approved by the Deputy Head of Faculty (Natural Sciences) and be compatible in the timetable.
2. At Level 1 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject. The selection may include up to 40 credits from outside the list of modules that make up the Natural Sciences programme.
3. At Level 2 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject. A student can take up to 120 credits from outside the list of modules that make up the Natural Sciences programme over Levels 1, 2 and 3.
4. At Level 3 students take modules from at least two and no more than three subjects to a maximum of 100 credits per subject. A student can take up to 120 credits from outside the list of modules that make up the Natural Sciences programme over Levels 1, 2 and 3.
5. Within the Natural Sciences programme certain combinations of modules are known as Joint Honours degrees. Students who follow these combinations of modules will be awarded a specific title for their degree.
6. Students who follow an approved Joint Honours degree, will be awarded a BSc Honours in A and B within the Natural Sciences programme, where A and B are replaced by the approved subject titles. Normally each subject will have a single subject title.
7. In order to qualify for the degree BSc Honours in A and B within the Natural Sciences programme, students in Levels 2 and 3 must select modules from the same two subjects and the number of credits in either subject cannot exceed 80 in each of Levels 2 and 3. In the following table the following abbreviations apply:

An	Anthropology	Ec	Economics
Ar	Archaeology	Gg	Geography
As	Astronomy	Ma	Mathematics
Bi	Biology	Ph	Philosophy
Bs	Business	Py	Physics
Ch	Chemistry	Ps	Psychology
CS	Computer Science	St	Statistics
ES	Earth Sciences		

The following combinations are currently available:

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

<b>Py</b>	*					*	*	*	*		*	*			
<b>Ps</b>	*			*			*		*	*	*	*			*
<b>St</b>										*				*	

*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).

- The degree certificate issued to successful students who have 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.
- If a chosen combination can be studied as part of the Combined Honours in Social Sciences programme, a student would normally be expected to transfer to that programme.

For 2008 entrants only  
**BSc NATURAL SCIENCES (CFG0)**

Programme offered at: Durham

Mode of study: this programme is available full-time.

- All module selections must be approved by the Deputy Head of Faculty (Natural Sciences) and be compatible in the timetable.
- At Level 1 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject. The selection may include up to 40 credits from outside the list of modules that make up the Natural Sciences programme.
- At Level 2 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject. A student can take up to 120 credits from outside the list of modules that make up the Natural Sciences programme over Levels 1, 2 and 3.
- At Level 3 students take modules from at least two and no more than three subjects to a maximum of 100 credits per subject. A student can take up to 120 credits from outside the list of modules that make up the Natural Sciences programme over Levels 1, 2 and 3.
- Within the Natural Sciences programme certain combinations of modules are known as Joint Honours degrees. Students who follow these combinations of modules will be awarded a specific title for their degree.
- Students who follow an approved Joint Honours degree, will be awarded a BSc Honours in A and B within the Natural Sciences programme, where A and B are replaced by the approved subject titles. Normally each subject will have a single subject title.
- In order to qualify for the degree BSc Honours in A and B within the Natural Sciences programme, students in Levels 2 and 3 must select modules from the same two subjects and the number of credits in either subject cannot exceed 80 in each of Levels 2 and 3. In the following table the following abbreviations apply:

An	Anthropology	Ec	Economics
Ar	Archaeology	Gg	Geography
As	Astronomy	Ma	Mathematics
Bi	Biology	Ph	Philosophy
Bs	Business	Py	Physics
Ch	Chemistry	Ps	Psychology
CS	Computer Science	St	Statistics
ES	Earth Sciences		

The following combinations are currently available:

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

*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. The degree certificate issued to successful students who have 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.
9. If a chosen combination can be studied as part of the Combined Honours in Social Sciences programme, a student would normally be expected to transfer to that programme.

For 2009 entrants onwards  
**BSc NATURAL SCIENCES (CFG0)**

Programme offered at: Durham

Mode of study: this programme is available full-time.

1. All module selections must be approved by the Deputy Head of Faculty (Natural Sciences) and be compatible in the timetable.
2. At Level 1 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject.
3. At Level 2 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject.
4. At Level 3 students take modules from at least two and no more than three subjects to a maximum of 100 credits per subject.
5. Within the Natural Sciences programme certain combinations of modules are known as Joint Honours degrees. Students who follow these combinations of modules will be awarded a specific title for their degree.
6. Students who follow an approved Joint Honours degree, will be awarded a BSc Honours in A and B within the Natural Sciences programme, where A and B are replaced by the approved subject titles. Normally each subject will have a single subject title.
7. In order to qualify for the degree BSc Honours in A and B within the Natural Sciences programme, students in Levels 2 and 3 must select modules from the same two subjects and the number of credits in either subject cannot exceed 80 in each of Levels 2 and 3. In the following table the following abbreviations apply:

An	Anthropology	Ec	Economics
Ar	Archaeology	Gg	Geography
As	Astronomy	Ma	Mathematics
Bi	Biology	Ph	Philosophy
Bs	Business	Py	Physics
Ch	Chemistry	Ps	Psychology
CS	Computer Science	St	Statistics
ES	Earth Sciences		

The following combinations are currently available:

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

*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).

- The degree certificate issued to successful students who have 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.
- Students studying for a BSc Natural Sciences degree must take modules to the value of at least 180 credits from the Faculty of Science over the three years of study. Students studying for a Joint Honours degree are exempt from this requirement. The subjects within the Faculty of Science are Astronomy, Biology, Chemistry, Computer Science, Earth Sciences, Mathematics, Physics, Psychology and Statistics.

All choices of modules require the approval of the Deputy Head of Faculty (Natural Sciences). All selected modules must be timetable compatible.

#### **ANTHROPOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS**

<b>Level 1</b>	Human Origins and Diversity	<a href="#">ANTH1071</a>	20
<b>Modules</b>	People and Cultures	<a href="#">ANTH1061</a>	20
<b>Level 2</b>	Evolutionary Anthropology	<a href="#">ANTH2061</a>	20
<b>Modules</b>	Human Ecology, Genetics and Health	<a href="#">ANTH2011</a>	20
	Biology, Culture and Society	<a href="#">ANTH2021</a>	20
	Methods and Explanations	<a href="#">ANTH2031</a>	20
	Political and Economic Organisation	<a href="#">ANTH2051</a>	20
	Kinship and Belief Systems	<a href="#">ANTH2041</a>	20
<b>Level 3</b>	Business Anthropology	<a href="#">ANTH3041</a>	20

<b>Modules</b>	Change and Development	<a href="#">ANTH3111</a>	20
	Current Issues in Sociocultural Anthropology	<a href="#">ANTH3011</a>	20
	Dissertation in Anthropology	<a href="#">ANTH3141</a>	20
	Hunters and Gatherers Past and Present (An)	<a href="#">ANTH3071</a>	20
	Material Culture *	<a href="#">ANTH3081</a>	20
	Nutritional and Disease Ecology	<a href="#">ANTH3151</a>	20
	Palaeoanthropology	<a href="#">ANTH3061</a>	20
	Social Evolution	<a href="#">ANTH3121</a>	20
	Anthropology of Science and Ethics	<a href="#">HUSS3141</a>	20
	Mental Health, Illness and Drug Use	<a href="#">HUSS3241</a>	20
	Power and Governance	<a href="#">HUSS3501</a>	20
	Understanding Behaviour	<a href="#">HUSS3301</a>	20

\* Not available in 2009-2010.

#### REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING ANTHROPOLOGY

<b>Level 1</b>	<a href="#">ANTH1071</a> Human Origins and Diversity <a href="#">ANTH1061</a> People and Cultures
<b>Level 2</b>	All students are required to take at least <a href="#">ANTH2061</a> Evolutionary Anthropology and/or <a href="#">ANTH2011</a> Human Ecology, Genetics and Health.
<b>Level 3</b>	All students can take up to four modules from the Level 3 Anthropology modules. If three or more Anthropology modules are taken, one of the modules can be at Level 2.

#### ARCHAEOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Ancient Civilisations of the East	<a href="#">ARCH1111</a>	20
	Discovering World Prehistory	<a href="#">ARCH1121</a>	20
	From Roman Empire to Nation State	<a href="#">ARCH1101</a>	20
	Introduction to Archaeology	<a href="#">ARCH1071</a>	20
	Scientific Methods in Archaeology 1	<a href="#">ARCH1041</a>	20
<b>Level 2 Modules</b>	Ancient and Complex Societies in Action	<a href="#">ARCH2141</a>	20
	Scientific Methods in Archaeology 2	<a href="#">ARCH2041</a>	20
	Archaeology of Medieval and Post-Medieval Britain in its European Context	<a href="#">ARCH2131</a>	20
	Experimental Methods of Archaeological Science (EMAS)	<a href="#">ARCH2111</a>	20
	Field Archaeology of Britain and Ireland	<a href="#">ARCH2101</a>	20
	Mediterranean Expansion: Rome and Native Societies	<a href="#">ARCH2091</a>	20
	Prehistoric Europe: from Foragers to State Formation	<a href="#">ARCH2081</a>	20
<b>Level 3 Modules</b>	Archaeological Artefacts and Materials †	<a href="#">ARCH3471</a>	20
	Archaeological Surveying †	<a href="#">ARCH3491</a>	20
	Archaeology Dissertation (20 Credits)	<a href="#">ARCH3371</a>	20
	Bones and Human Societies †	<a href="#">ARCH3461</a>	20
	Hunters and Gatherers Past and Present (Ar)	<a href="#">ARCH3521</a>	20
	Palaeoethnobotany: Plants and Human Societies	<a href="#">ARCH3551</a>	20
	Scientific Methods in Archaeology 3	<a href="#">ARCH3051</a>	20
	Specialised Aspects in Archaeology (20 Credits)	<a href="#">ARCH3451</a>	20
<b>Level 4 Modules</b>	Specialised Aspects in Archaeology (40 Credits)	<a href="#">ARCH3472</a>	40
	Dissertation	<a href="#">ARCH4003</a>	60

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

<b>Level 1</b>	<a href="#">ARCH1041</a> Scientific Methods in Archaeology 1 plus at least one of <a href="#">ARCH1121</a> Discovering World Prehistory, <a href="#">ARCH1101</a> From Roman Empire to Nation State and <a href="#">ARCH1111</a> 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 <a href="#">ARCH1071</a> Introduction to Archaeology.
<b>Level 2</b>	<a href="#">ARCH2041</a> 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

<b>Level 1 Modules</b>	Diversity of Life	<a href="#">BIOL1121</a>	20
	<u>Cells, Tissues and Systems</u>	<a href="#">BIOL1081</a>	20
	Introduction to Plants, Animals and Ecology	<a href="#">BIOL1131</a>	20
	<u>Genetics</u>	<a href="#">BIOL1111</a>	20
	Molecular Basis of Life	<a href="#">BIOL1071</a>	20
	<u>Chemistry for the Biosciences</u>	<a href="#">BIOL1141</a>	20
<b>Level 2 Modules</b>	Animal Physiology	<a href="#">BIOL2351</a>	20
	Behaviour	<a href="#">BIOL2391</a>	20
	Biochemistry	<a href="#">BIOL2381</a>	20
	Cell Structure and Function	<a href="#">BIOL2341</a>	20
	Development	<a href="#">BIOL2361</a>	20
	Ecology	<a href="#">BIOL2411</a>	20
	Evolutionary Biology	<a href="#">BIOL2331</a>	20
	Plant Physiology	<a href="#">BIOL2401</a>	20
	Molecular Biology	<a href="#">BIOL2371</a>	20
	<b>Level 3 Modules</b>	Ageing	<a href="#">BIOL3501</a>
Behavioural and Evolutionary Ecology		<a href="#">BIOL3561</a>	20
Biology into Schools		<a href="#">BIOL3431</a>	20
Biotechnology		<a href="#">BIOL3511</a>	20
Cell Architecture		<a href="#">BIOL3481</a>	20
Conservation Biology		<a href="#">BIOL3551</a>	20
Genes and Development		<a href="#">BIOL3521</a>	20
Global Change Biology		<a href="#">BIOL3541</a>	20
Literature Review		<a href="#">BIOL3451</a>	20
Stress and Responses to the Environment		<a href="#">BIOL3491</a>	20
Stem Cells and Tissue Engineering	<a href="#">BIOL3531</a>	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** [BIOL1121](#) Diversity of Life and [BIOL1131](#) Introduction to Plants, Animals and Ecology
- Level 2** At least two Level 2 modules must be taken. Students taking just two modules will take the following:
- [BIOL2331](#) Evolutionary Biology  
[BIOL2411](#) Ecology
- Students taking three Level 2 modules will take [BIOL2391](#) Behaviour in addition to the above two modules.
- Level 3** If two modules are taken they must be picked from:
- [BIOL3561](#) Behavioural and Evolutionary Biology  
[BIOL3551](#) Conservation Biology  
[BIOL3541](#) Global Change Biology
- If three modules are taken they must be picked from:
- [BIOL3561](#) Behavioural and Evolutionary Biology  
[BIOL3431](#) Biology into Schools  
[BIOL3551](#) Conservation Biology  
[BIOL3541](#) Global Change Biology  
[BIOL3451](#) Literature Review  
but [BIOL3451](#) Literature Review and [BIOL3431](#) Biology into Schools cannot be taken together.

If four or five modules are taken they must be picked from:

[BIOL3561](#) Behavioural and Evolutionary Biology  
[BIOL3431](#) Biology into Schools  
[BIOL3551](#) Conservation Biology  
[BIOL3541](#) Global Change Biology  
[BIOL3451](#) Literature Review

CELL BIOLOGY ROUTE:

**Level 1** Students taking Biology in conjunction with Chemistry should take [BIOL1111](#) Genetics and [BIOL1071](#) Molecular Basis of Life.

**Level 2** Other students should take [BIOL1081](#) Cells, Tissues and Systems and [BIOL1111](#) Genetics. At least two Level 2 modules must be taken. Students taking a Joint Honours degree in Biology and Chemistry will take:

[BIOL2351](#) Animal Physiology  
[BIOL2401](#) Plant Physiology  
[BIOL2381](#) Biochemistry

Other students (including those not taking a 3:3 split in Biology and Chemistry) taking just two modules will take the following:

[BIOL2371](#) Molecular Biology  
[BIOL2341](#) Cell Structure and Function

Other students taking three Level 2 modules will take [BIOL2361](#) Development in addition to the above two modules.

Other students taking four Level 2 modules will take [BIOL2361](#) Development and (either [BIOL2351](#) Animal Physiology or [BIOL2401](#) Plant Physiology) or ([BIOL2351](#) Animal Physiology and [BIOL2401](#) Plant Physiology).

**Level 3** Students following a B.Sc. Joint Honours degree with Chemistry should take:

[BIOL2371](#) Molecular Biology  
[BIOL3491](#) Stress and Responses to the Environment  
and ([BIOL3511](#) Biotechnology or [BIOL3451](#) Literature Review)

For other students, if two modules are taken they should be:

[BIOL3501](#) Ageing  
[BIOL3481](#) Cell Architecture

If three modules are taken they should be picked from:

[BIOL3501](#) Ageing  
[BIOL3431](#) Biology into Schools  
[BIOL3481](#) Cell Architecture  
[BIOL3521](#) Genes and Development  
[BIOL3451](#) Literature Review  
[BIOL3491](#) Stress and Responses to the Environment  
[BIOL3531](#) Stem Cells and Tissue Engineering  
but [BIOL3451](#) Literature Review and [BIOL3431](#) Biology into Schools cannot be taken together.

If four or five modules are taken they should be picked from:

[BIOL3501](#) Ageing  
[BIOL3431](#) Biology into Schools  
[BIOL3481](#) Cell Architecture  
[BIOL3521](#) Genes and Development  
[BIOL3451](#) Literature Review  
[BIOL3491](#) Stress and Responses to the Environment  
[BIOL3531](#) Stem Cells and Tissue Engineering

## BUSINESS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Enterprise and Business Development	<a href="#">BUSI1121</a>	20
	Introduction to Entrepreneurship	<a href="#">BUSI1111</a>	20
	Introduction to Management	<a href="#">BUSI1011</a>	20
	Business Accounting and Finance	<a href="#">ECON1041</a>	20
	Economic Methods	<a href="#">ECON1021</a>	20
<b>Level 2 Modules</b>	Elements of Economics	<a href="#">ECON1011</a>	20
	Marketing Management	<a href="#">BUSI2111</a>	20
<b>Level 3 Modules</b>	Organisational Behaviour	<a href="#">BUSI2121</a>	20
	Asia and the Pacific Rim	<a href="#">BUSI3041</a>	20
<b>Level 3 Modules</b>	Dissertation in Business (20 Credits)	<a href="#">BUSI3091</a>	20
	Dissertation in Business (40 Credits)	<a href="#">BUSI3122</a>	40
	Consumer Psychology *	<a href="#">BUSI3131</a>	20
	Marketing Research	<a href="#">BUSI3141</a>	20
	Public Administration and Management	<a href="#">BUSI3031</a>	20
	Work and Organisation *	<a href="#">BUSI3151</a>	20

\* Not available in 2009-2010.

## REQUIREMENTS FOR JOINT HONOURS DEGREES INVOLVING BUSINESS

<b>Level 1</b>	<a href="#">BUSI1011</a> Introduction to Management and <a href="#">ECON1011</a> Elements of Economics should be taken.
<b>Level 2</b>	Modules taken from the Level 2 Business module list above.
<b>Level 3</b>	Modules taken from the Level 3 Business module list above.

## CHEMISTRY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Core Chemistry 1A	<a href="#">CHEM1012</a>	40
	Core Chemistry 1B	<a href="#">CHEM1022</a>	40
	Molecules in Action	<a href="#">CHEM1061</a>	20
<b>Level 2 Modules</b>	Biological Chemistry	<a href="#">CHEM2051</a>	20
	Chemistry of the Elements	<a href="#">CHEM2021</a>	20
	Computational Chemistry	<a href="#">CHEM2061</a>	20
	Core Chemistry 2	<a href="#">CHEM2012</a>	40
	Properties of Molecules	<a href="#">CHEM2041</a>	20
<b>Level 3 Modules</b>	Ring Chemistry	<a href="#">CHEM2031</a>	20
	Advanced Computational Chemistry	<a href="#">CHEM3071</a>	20
	Advanced Organic Chemistry	<a href="#">CHEM3031</a>	20
	Chemistry and Society	<a href="#">CHEM3061</a>	20
	Core Chemistry 3	<a href="#">CHEM3012</a>	40
	Inorganic Concepts and Applications	<a href="#">CHEM3021</a>	20
	Materials Chemistry	<a href="#">CHEM3051</a>	20
Molecules and their Interactions	<a href="#">CHEM3041</a>	20	

## REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING CHEMISTRY

<b>Level 1</b>	<a href="#">CHEM1012</a> Core Chemistry 1A
<b>Level 2</b>	<a href="#">CHEM2012</a> Core Chemistry 2
	Students taking at least 60 credits of Chemistry must take at least one of <a href="#">CHEM2021</a> Chemistry of the Elements, <a href="#">CHEM2031</a> Ring Chemistry or <a href="#">CHEM2041</a> Properties of Molecules.
<b>Level 3</b>	<a href="#">CHEM3012</a> Core Chemistry 3. Any other modules can be selected from the Level 2 or Level 3 Chemistry modules listed above.

## COMPUTER SCIENCE MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Computer Systems	<a href="#">COMP1071</a>	20
	Formal Aspects of Computer Science	<a href="#">COMP1021</a>	20
	Introduction to Programming	<a href="#">COMP1011</a>	20
	Programming and Data Structures	<a href="#">COMP1082</a>	40
<b>Level 2</b>	Computer Systems II	<a href="#">COMP2161</a>	20



<b>Modules</b>	Programming and Reasoning	<a href="#">COMP2171</a>	20
	Software Applications	<a href="#">COMP2071</a>	20
	Software Engineering	<a href="#">COMP2092</a>	40
	Theory of Computation	<a href="#">COMP2181</a>	20
<b>Level 3 Modules</b>	Advanced Artificial Intelligence (20 Credits)	<a href="#">COMP3311</a>	20
	Advanced Artificial Intelligence (40 Credits)	<a href="#">COMP3352</a>	40
	Advanced Software Applications and Methodologies (20 Credits)	<a href="#">COMP3331</a>	20
	Advanced Software Applications and Methodologies (40 Credits)	<a href="#">COMP3332</a>	40
	Advanced Software Engineering (20 Credits)	<a href="#">COMP3221</a>	20
	Advanced Software Engineering (40 Credits)	<a href="#">COMP3152</a>	40
	Advanced Theory of Computation (20 Credits)	<a href="#">COMP3341</a>	20
	Advanced Theory of Computation (40 Credits)	<a href="#">COMP3342</a>	40
	Computer Science Project	<a href="#">COMP3012</a>	40
	Software Engineering Project	<a href="#">COMP3282</a>	40

#### REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING COMPUTER SCIENCE

<b>Level 1</b>	( <a href="#">COMP1011</a> Introduction to Programming or <a href="#">COMP1082</a> Programming and Data Structures) <a href="#">COMP1021</a> Formal Aspects of Computer Science
<b>Level 2</b>	Modules selected from the Level 2 Computer Science modules listed above.
<b>Level 3</b>	Modules selected from the Level 2 and Level 3 Computer Science modules listed above.

#### EARTH SCIENCES MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Earth and Environment	<a href="#">GEOL1041</a>	20
	Earth History and Life	<a href="#">GEOL1031</a>	20
	Earth Materials	<a href="#">GEOL1021</a>	20
	Field Studies	<a href="#">GEOL1051</a>	20
	How the Earth Works	<a href="#">GEOL1011</a>	20
	Mathematical Methods in Geosciences	<a href="#">GEOL1061</a>	20
	The Oceans	<a href="#">GEOL1071</a>	20
<b>Level 2 Modules</b>	Earth Visualisation L2	<a href="#">GEOL2221</a>	20
	Fieldwork (Environmental)	<a href="#">GEOL2201</a>	20
	Fieldwork (Geophysical)	<a href="#">GEOL2241</a>	20
	Fieldwork (Geological)	<a href="#">GEOL2191</a>	20
	Fossils and Dynamic Stratigraphy of the British Isles	<a href="#">GEOL2051</a>	20
	Geophysical Methods in Geology	<a href="#">GEOL2081</a>	20
	Igneous and Metamorphic Geochemistry and Petrology	<a href="#">GEOL2231</a>	20
	Sedimentary Environments	<a href="#">GEOL2031</a>	20
	Structural Geology and Tectonics	<a href="#">GEOL2011</a>	20
	Water and Climate	<a href="#">GEOL2171</a>	20
<b>Level 3 Modules</b>	Dissertation	<a href="#">GEOL3022</a>	40
	Dynamic Earth I	<a href="#">GEOL3011</a>	20
	Dynamic Earth II	<a href="#">GEOL3181</a>	20
	Earth Science into Schools	<a href="#">GEOL3251</a>	20
	Earth Structure and Dynamics	<a href="#">GEOL3151</a>	20
	Earth System and Climate	<a href="#">GEOL3231</a>	20
	Environmental Geochemistry	<a href="#">GEOL3041</a>	20
	Evolutionary Palaeobiology	<a href="#">GEOL3071</a>	20
	Magmatism	<a href="#">GEOL3051</a>	20
	Modelling Earth Processes	<a href="#">GEOL3261</a>	20
	Petroleum Geophysics	<a href="#">GEOL3221</a>	20
	Rheology and Deformation Processes	<a href="#">GEOL3091</a>	20
	Sedimentary and Petroleum Systems	<a href="#">GEOL3031</a>	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:

<b>Level 1</b>	<a href="#">GEOL1011</a> How the Earth Works
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### [GEOL1021](#) Earth Materials

To obtain accreditation the above two modules must be taken in addition [GEOL1051](#) Field Studies. [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.

To obtain accreditation modules to the value of 60 credits or more must be taken and these must include [GEOL2191](#) Fieldwork (Geological), [GEOL1041](#) Earth and the Environment if the latter module has 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** All students take at least [GEOL2081](#) Geophysical Methods in Geology and [GEOL2241](#) Fieldwork (Geophysical)
- Level 3** Modules selected from:  
[GEOL3022](#) Dissertation  
[GEOL3221](#) Petroleum Geophysics  
[GEOL3151](#) Earth Structure and Dynamics

### ECONOMICS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Business Accounting and Finance	<a href="#">ECON1041</a>	20
	Economic Methods	<a href="#">ECON1021</a>	20
	Elements of Economics	<a href="#">ECON1011</a>	20
	Introduction to Environmental Economics	<a href="#">ECON1051</a>	20
<b>Level 2 Modules</b>	The World Economy	<a href="#">ECON1071</a>	20
	Business Competition	<a href="#">ECON2081</a>	20
	Corporate Finance	<a href="#">ECON2101</a>	20
	Economic Data Analysis	<a href="#">ECON2061</a>	20
	Economic Principles I: Macroeconomics	<a href="#">ECON2011</a>	20
	Economic Principles II: Microeconomics	<a href="#">ECON2021</a>	20
	Economics of Social Policy	<a href="#">ECON2091</a>	20
	European Economics	<a href="#">ECON2071</a>	20
<b>Level 3 Modules</b>	Intermediate Methods for Economics and Finance	<a href="#">ECON2121</a>	20
	Advanced Macroeconomic Theory	<a href="#">ECON3211</a>	20
	Advanced Microeconomic Theory	<a href="#">ECON3201</a>	20
	Applied Econometrics	<a href="#">ECON3011</a>	20
	Development Economics	<a href="#">ECON3171</a>	20
	Dissertation in Economics	<a href="#">ECON3012</a>	40
	Financial Theory and Corporate Policy	<a href="#">ECON3251</a>	20
	Industrial Organisation	<a href="#">ECON3061</a>	20
	International Economics	<a href="#">ECON3071</a>	20
	Labour Economics	<a href="#">ECON3081</a>	20
	Monetary Economics	<a href="#">ECON3111</a>	20
Public Economics	<a href="#">ECON3191</a>	20	
Security Investment Analysis	<a href="#">ECON3241</a>	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

Any further modules selected from the Level 2 Economics modules listed above.

**Level 3**  
 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

<b>Level 1 Modules</b>	Cities	<a href="#">GEOG1211</a>	20
	Environment and Society	<a href="#">GEOG1061</a>	20
	Human Geography: Space and Place in a Changing World	<a href="#">GEOG1071</a>	20
<b>Level 2 Modules</b>	Introduction to Geographical Methods	<a href="#">GEOG1222</a>	20
	Physical Geography: Earth Systems Science	<a href="#">GEOG1081</a>	20
	Development, Society and the Environment	<a href="#">GEOG2541</a>	20
	Environmental Processes and Management	<a href="#">GEOG2551</a>	20
	Fluvial Systems	<a href="#">GEOG2521</a>	20
	GIS and Remote Sensing	<a href="#">GEOG2591</a>	20
	Glaciers and Glaciation	<a href="#">GEOG2531</a>	20
	Global Climate Change	<a href="#">GEOG2571</a>	20
	Mountain Landscapes	<a href="#">GEOG2611</a>	20
	Political Geography	<a href="#">GEOG2581</a>	20
	Reconstructing Environmental Change	<a href="#">GEOG2601</a>	20
	Scientific Research in Geography	<a href="#">GEOG2462</a>	40
	Social and Cultural Geography	<a href="#">GEOG2561</a>	20
	<u>Social Research in Geography</u>	<a href="#">GEOG2472</a>	40
<u>Theory and Concepts in Contemporary Human Geography</u>	<a href="#">GEOG2621</a>	20	
<b>Level 3 Modules</b>	<u>Urban Geography</u>	<a href="#">GEOG2511</a>	20
	Dissertation (40 Credits) in Geography A	<a href="#">GEOG3232</a>	40
	Dissertation (40 Credits) in Geography B	<a href="#">GEOG3432</a>	40
	Environmental Processes of Change: Field Case Studies	<a href="#">GEOG3491</a>	20
	Environmental Remote Sensing	<a href="#">GEOG3261</a>	20
	Geographies of Health and Healthcare	<a href="#">GEOG3631</a>	20
	Geographies of Transformation	<a href="#">GEOG3561</a>	20
	Geography, Gender and Change	<a href="#">GEOG3161</a>	20
	Hazard and Risk	<a href="#">GEOG3621</a>	20
	Oceans Past and Present	<a href="#">GEOG3641</a>	20
	People, Participation and Place	<a href="#">GEOG3671</a>	20
	River Dynamics	<a href="#">GEOG3461</a>	20
	Sea-Level Change and Coastal Evolution	<a href="#">GEOG3191</a>	20
	Specialised Aspects of Human Geography	<a href="#">GEOG3431</a>	20
Specialised Aspects of Physical Geography	<a href="#">GEOG3431</a>	20	
The Quaternary of Glaciated Regions	<a href="#">GEOG3511</a>	20	
Urban Transformations in the New Europe	<a href="#">GEOG3501</a>	20	
<u>Visual Geographies: Representing Africa</u>	<a href="#">GEOG3561</a>	20	

### REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING GEOGRAPHY

**Level 1**  
 Two 20 credit modules from the following:  
[GEOG1081](#) Physical Geography  
[GEOG1071](#) Human Geography  
[GEOG1222](#) Introduction to Geographical Methods  
[GEOG1061](#) Environment & Society  
[GEOG1211](#) Cities

**Level 2**  
 Students taking a Joint Honours degree within Natural Sciences must take either [GEOG2462](#) Scientific Research in Geography or ([GEOG2472](#) Social Research in Geography and [GEOG2621](#) Theory and Concepts in Contemporary Human Geography).

Students taking a Joint Honours degree within Natural Sciences who take [GEOG2462](#) Scientific Research in Geography must select between one and three modules from the following:

[GEOG2551](#) Environmental Processes and Management  
[GEOG2521](#) Fluvial Systems  
[GEOG2591](#) GIS and Remote Sensing  
[GEOG2531](#) Glaciers and Glaciation  
[GEOG2571](#) Global Climate Change  
[GEOG2611](#) Mountain Landscapes  
[GEOG2601](#) Reconstructing Environmental Change

Students taking a Joint Honours degree within Natural Sciences who take ([GEOG2472](#) Social Research in Geography and [GEOG2621](#) Theory and Concepts in Contemporary Human Geography) and must select one or two modules from the following:

[GEOG2541](#) Development, Society and the Environment  
[GEOG2551](#) Environmental Processes and Management  
[GEOG2591](#) GIS and Remote Sensing  
[GEOG2581](#) Political Geography  
[GEOG2561](#) Social and Cultural Geography  
[GEOG2511](#) Urban Geography

**Level 3** Modules selected from the Level 2 and Level 3 Geography modules listed above.

### MATHEMATICS MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Core Mathematics A	<a href="#">MATH1012</a>	40
	Core Mathematics B1	<a href="#">MATH1051</a>	20
	Core Mathematics B2	<a href="#">MATH1041</a>	20
	Data Analysis, Modelling and Simulation	<a href="#">MATH1711</a>	20
	Discrete Mathematics	<a href="#">MATH1031</a>	20
	Maths for Engineers and Scientists	<a href="#">MATH1551</a>	20
	Single Mathematics A	<a href="#">MATH1561</a>	20
	Single Mathematics B	<a href="#">MATH1571</a>	20
<b>Level 2 Modules</b>	Statistics	<a href="#">MATH1541</a>	20
	Algebra and Number Theory II	<a href="#">MATH2061</a>	20
	Analysis in Many Variables II	<a href="#">MATH2031</a>	20
	Codes and Actuarial Mathematics II	<a href="#">MATH2031</a>	20
	Codes and Geometric Topology II	<a href="#">MATH2141</a>	20
	Complex Analysis II	<a href="#">MATH2011</a>	20
	Contours and Actuarial Mathematics II	<a href="#">MATH2171</a>	20
	Linear Algebra II	<a href="#">MATH2021</a>	20
	Mathematical Physics II	<a href="#">MATH2071</a>	20
	Numerical Analysis II	<a href="#">MATH2051</a>	20
	Probability and Actuarial Mathematics II	<a href="#">MATH2161</a>	20
	Probability and Geometric Topology II	<a href="#">MATH2151</a>	20
Statistical Concepts II	<a href="#">MATH2041</a>	20	
<b>Level 3 Modules</b>	<b><u>Modules running 2010-2011</u></b>		
	Approximation Theory and Solutions of ODEs III	<a href="#">MATH3081</a>	20
	Bayesian Statistics III	<a href="#">MATH3341</a>	20
	Elliptic Functions III	<a href="#">MATH3221</a>	20
	Geometry III	<a href="#">MATH3201</a>	20
	Number Theory III	<a href="#">MATH3031</a>	20
	Probability III	<a href="#">MATH3211</a>	20
	Solitons III	<a href="#">MATH3231</a>	20
	Statistical Mechanics III	<a href="#">MATH3351</a>	20
	<b><u>Modules running 2009-2010</u></b>		
	Algebraic Geometry III	<a href="#">MATH3321</a>	20
	Analysis III	<a href="#">MATH3011</a>	20
	Bayesian Methods III	<a href="#">MATH3311</a>	20
	Continuum Mechanics III	<a href="#">MATH3101</a>	20
	General Relativity III	<a href="#">MATH3331</a>	20
Representation Theory and Modules III	<a href="#">MATH3191</a>	20	
Stochastic Processes III	<a href="#">MATH3251</a>	20	

### Modules available every year

Communicating Mathematics III	<a href="#">MATH3131</a>	20
Decision Theory III	<a href="#">MATH3071</a>	20
Differential Geometry III	<a href="#">MATH3021</a>	20
Dynamical Systems III	<a href="#">MATH3091</a>	20
Electromagnetism III	<a href="#">MATH3181</a>	20
Galois Theory III	<a href="#">MATH3041</a>	20
Mathematical Biology III	<a href="#">MATH3171</a>	20
Mathematical Finance III	<a href="#">MATH3301</a>	20
Mathematics Teaching III	<a href="#">MATH3121</a>	20
Operations Research III	<a href="#">MATH3141</a>	20
Partial Differential Equations III	<a href="#">MATH3291</a>	20
Quantum Mechanics III	<a href="#">MATH3111</a>	20
Statistical Methods III	<a href="#">MATH3051</a>	20
Topology III	<a href="#">MATH3281</a>	20

### REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING MATHEMATICS

<b>Level 1</b>	<a href="#">MATH1012</a> Core Mathematics A and <a href="#">MATH1051</a> Core Mathematics B1.
<b>Level 2</b>	If the other subject is not Physics any other modules selected from the Level 2 Mathematics modules listed above. If the other subject is Physics at least <a href="#">MATH2021</a> Linear Algebra II, <a href="#">MATH2031</a> Analysis in Many Variables II and <a href="#">MATH2011</a> Complex Analysis II must be taken
<b>Level 3</b>	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.

### REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING STATISTICS

<b>Level 1</b>	<a href="#">MATH1012</a> Core Mathematics A and <a href="#">MATH1541</a> Statistics.
<b>Level 2</b>	At least <a href="#">MATH2021</a> Linear Algebra II and <a href="#">MATH2041</a> Statistical Concepts II
<b>Level 3</b>	<a href="#">MATH3051</a> Statistical Methods III and at least two from <a href="#">MATH3071</a> Decision Theory III, <a href="#">MATH3141</a> Operations Research III, <a href="#">MATH3131</a> Communicating Mathematics III

### PHILOSOPHY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1</b>	Ethics and Values	<a href="#">PHIL1011</a>	20
<b>Level 1</b> <b>Modules</b>	Introduction to the History and Theory of Medicine	<a href="#">PHIL1051</a>	20
	Introduction to the History and Philosophy of Science	<a href="#">PHIL1081</a>	20
	Introduction to Logic	<a href="#">PHIL1031</a>	20
	Knowledge and Reality	<a href="#">PHIL1021</a>	20
<b>Level 2</b> <b>Modules</b>	Philosophy of Science	<a href="#">PHIL1061</a>	20
	Reading Philosophy	<a href="#">PHIL1041</a>	20
	Biomedical Ethics	<a href="#">PHIL2051</a>	20
	Modern Philosophy I	<a href="#">PHIL2031</a>	20
	Moral Theory	<a href="#">PHIL2041</a>	20
	Philosophical Logic	<a href="#">PHIL2021</a>	20
	Philosophy of Mind	<a href="#">PHIL2011</a>	20
	Philosophy of Religion	<a href="#">PHIL2091</a>	20
	Philosophy of the Sciences	<a href="#">PHIL2151</a>	20
	Political Philosophy	<a href="#">PHIL2081</a>	20
	Science and Religion	<a href="#">PHIL2071</a>	20
<b>Level 3</b> <b>Modules</b>	Theory, Literature and Society	<a href="#">PHIL2131</a>	20
	20 <sup>th</sup> Century European Philosophy	<a href="#">PHIL3051</a>	20
	Aesthetics	<a href="#">PHIL3031</a>	20
	Applied Ethics	<a href="#">PHIL3071</a>	20
	History and Philosophy of Psychiatry	<a href="#">PHIL3181</a>	20
	Issues in Contemporary Ethics	<a href="#">PHIL3131</a>	20
	Language and Mind	<a href="#">PHIL3061</a>	20
	Metaphysics	<a href="#">PHIL3171</a>	20
	Modern Philosophy II	<a href="#">PHIL3011</a>	20
	Philosophical Issues in Contemporary Science	<a href="#">PHIL3021</a>	20
	Philosophy Long Dissertation	<a href="#">PHIL3112</a>	40
Philosophy Short Dissertation	<a href="#">PHIL3101</a>	20	
History of the Body	<a href="#">HEAL3001</a>	20	

## REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING PHILOSOPHY

<b>Level 1</b>	Two 20 credit modules selected from the Level 1 Philosophy modules listed above.
<b>Level 2</b>	Modules selected from the Level 2 Philosophy modules listed above.
<b>Level 3</b>	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

<b>Level 1 Modules</b>	Discovery Skills in Physics	<a href="#">PHYS1101</a>	20
	Foundations of Physics 1	<a href="#">PHYS1122</a>	40
	Fundamental Physics	<a href="#">PHYS1111</a>	20
	Introduction to Astronomy	<a href="#">PHYS1081</a>	20
<b>Level 2 Modules</b>	Computational Physics and Electronics	<a href="#">PHYS2571</a>	20
	Foundations of Physics 2	<a href="#">PHYS2511</a>	20
	Laboratory Skills and Practice	<a href="#">PHYS2551</a>	20
	Mathematical Methods in Physics	<a href="#">PHYS2521</a>	20
<b>Level 3 Modules</b>	Stars and Galaxies	<a href="#">PHYS2541</a>	20
	Thermal and Condensed Matter Physics	<a href="#">PHYS2531</a>	20
	Astrophysics	<a href="#">PHYS3541</a>	20
	Condensed Matter Physics	<a href="#">PHYS3531</a>	20
	Foundations of Physics 3	<a href="#">PHYS3522</a>	40
	Key Skills A	<a href="#">PHYS3561</a>	20
	Key Skills B	<a href="#">PHYS3571</a>	20
	Laboratory Project	<a href="#">PHYS3601</a>	20
	Mathematics Workshop	<a href="#">PHYS3591</a>	20
	Team Project	<a href="#">PHYS3581</a>	20
Theoretical Physics	<a href="#">PHYS3551</a>	20	
Physics into Schools	<a href="#">PHYS3611</a>	20	

## REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING ASTRONOMY

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

## REQUIREMENTS FOR BSc JOINT HONOURS DEGREES INVOLVING PHYSICS

<b>Level 1</b>	<a href="#">PHYS1122</a> Foundations of Physics 1 ( <a href="#">MATH1561</a> Single Mathematics A and <a href="#">MATH1571</a> Single Mathematics B) or <a href="#">MATH1012</a> Core Mathematics A
<b>Level 2</b>	For a Joint Honours degree not involving Mathematics, the following must be taken <a href="#">PHYS2511</a> Foundations of Physics 2, <a href="#">PHYS2521</a> Mathematical Methods in Physics and <a href="#">PHYS1101</a> Discovery Skills in Physics if not taken previously. The module <a href="#">PHYS2551</a> Laboratory Skills and Practice is also required for these degrees, but may be taken in either Level 2 or Level 3.
	For a Joint Honours degree with Mathematics, <a href="#">PHYS2511</a> Foundations of Physics 2 , <a href="#">PHYS1101</a> Discovery Skills in Physics (if not taken previously) and at least one of <a href="#">PHYS2531</a> Thermal and Condensed Matter Physics, <a href="#">PHYS2541</a> Stars and Galaxies, <a href="#">PHYS2551</a> Laboratory Skills and Practice must be taken. The modules <a href="#">PHYS2551</a> Laboratory Skills and Practice and <a href="#">PHYS2531</a> Thermal and Condensed Matter Physics must be taken in either Level 2 or Level 3.
<b>Level 3</b>	If the other subject is Mathematics, <a href="#">PHYS2521</a> Mathematical Methods in Physics cannot be taken.
	<a href="#">PHYS3522</a> Foundations of Physics 3 must be taken. Any further modules must be selected from the Level 3 Physics modules listed above. If <a href="#">PHYS2551</a> Laboratory

Skills and Practice was not taken in Level 2 it must be taken in Level 3.

For a Joint Honours Mathematics and Physics degree [PHYS2531](#) Thermal and Condensed Matter Physics must be taken in either Level 2 or Level 3.

Accreditation note: Joint Honours degrees of the type B.Sc. 'A and Physics', where A can be Anthropology, Chemistry, Computer Science, Earth Sciences, Economics, Mathematics and Philosophy, are accredited by the Institute of Physics for those students who entered the University before February 2009.

### PSYCHOLOGY MODULES AVAILABLE TO NATURAL SCIENCES STUDENTS

<b>Level 1 Modules</b>	Introduction to Psychological Research	<a href="#">PSYC1062</a>	40
	Introduction to Psychology I	<a href="#">PSYC1071</a>	20
	Introduction to Psychology II	<a href="#">PSYC1081</a>	20
<b>Level 2 Modules</b>	Individual Differences and Abnormal Psychology	<a href="#">PSYC2071</a>	20
	Brain Processes of Cognition and Perception	<a href="#">PSYC2111</a>	20
	Memory and Language	<a href="#">PSYC2081</a>	20
<b>Level 3 Modules</b>	Social and Developmental Psychology	<a href="#">PSYC2021</a>	20
	Animal Behaviour: Learning, Cognition and Ethology	<a href="#">PSYC3201</a>	20
	Cognitive Psychology	<a href="#">PSYC3151</a>	20
	Developmental Psychology	<a href="#">PSYC3031</a>	20
	Emotion and Social Cognition	<a href="#">PSYC3171</a>	20
	Neuropsychology	<a href="#">PSYC3011</a>	20
	Psychology Project and Statistics~	<a href="#">PSYC3041</a>	20
	Social Psychology	<a href="#">PSYC3081</a>	20
	The Architecture of Vision	<a href="#">PSYC3181</a>	20
	The Evolution of Human Behaviour	<a href="#">PSYC3141</a>	20
	Advanced Applied Psychology	<a href="#">PSYS3211</a>	20
Applied Development Psychology	<a href="#">PSYS3171</a>	20	
Clinical Cognitive Neuroscience	<a href="#">PSYS3191</a>	20	
The Psychology of Education and Science *	<a href="#">PSYS3181</a>	20	
The Science of Consciousness	<a href="#">PSYS3161</a>	20	

\* Not available in 2009-2010.

### 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 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 degree, [PSYC3041](#) Psychology Project and Statistics~, [PSYC2071](#) Individual Differences and Abnormal Psychology (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.

~ This module must be passed at 40% or above. A mark of 30-39% cannot be compensated.

Accreditation note: The specified pathways are accredited from 2008 - 2009 for five cohorts as conferring eligibility for Graduate Membership of The British Psychological Society with the Graduate Basis for Registration. A minimum of a second class honours degree to gain eligibility.

