

These programme regulations should be read in conjunction with the University's [core regulations for undergraduate programmes](#).

### **BSc Natural Sciences (CFG0)**

1. This programme is available at Durham City, in a full-time mode of study.
2. All module selections must be approved by the Deputy Head of Faculty (Natural Sciences) and be compatible in the timetable.
3. At Level 1 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject.
4. At Level 2 students take modules from at least two and no more than four subjects, to a maximum of 80 credits per subject.
5. At Level 3 students take modules from at least two and no more than three subjects, to a maximum of 100 credits per subject.
6. 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.
7. 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.
8. 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
Bi	Biology	Ma	Mathematics
Bs	Business	Ph	Philosophy
Ch	Chemistry	Py	Physics
CS	Computer Science	Ps	Psychology
ES	Earth Sciences		

The following combinations are currently available:

	An	Ar	Bi	Bs	Ch	CS	ES	Ec	Gg	Ma	Ph	Py	Ps
An			•										•
Ar							•						
Bi	•				•		•		•	•		•	•
Bs						•							
Ch			•				•			•		•	
CS				•						•		•	
ES		•	•		•				•	•			
Ec										•			•
Gg			•				•			•			•
Ma			•		•	•	•	•	•		•	•	•
Ph										•		•	
Py			•		•	•				•	•		
Ps	•		•					•	•	•			

**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)

9. 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.
10. 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 the requirement. The subjects within the Faculty of Science are: Biology, Chemistry, Computer Science, Earth Sciences, Mathematics, Physics, Psychology and Statistics.
11. Students studying for BSc Joint Honours degrees involving Anthropology are required to take the following modules:

<b>Level 1</b>	Human Origins and Diversity People and Cultures	<a href="#">ANTH1071</a> <a href="#">ANTH1061</a>
<b>Level 2</b>	<b>All students are required to take at least:</b> Evolutionary Anthropology <b>AND/ OR</b> Human Ecology, Genetics and Health	<a href="#">ANTH2061</a> <a href="#">ANTH2011</a>
<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.	

12. Students studying for BSc Joint Honours degrees involving Archaeology are required to take the following modules:

<b>Level 1</b>	Scientific Methods in Archaeology 1 <b>Plus at least 20 credits from the following:</b> Discovering World Prehistory 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.	<a href="#">ARCH1041</a> <a href="#">ARCH1121</a> <a href="#">ARCH1111</a>
<b>Level 2</b>	Scientific Methods in Archaeology 2 <b>AND</b> modules up to the value of 60 credits from the Level 2 Archaeology modules listed above. If modules to the value of 60 credits or more are taken, one 20 credit module can be at Level 1, unless Level 1 modules to the value of 80 credits have been taken	<a href="#">ARCH2041</a>
<b>Level 3</b>	Scientific Methods in Archaeology 3 <b>AND</b> 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 are taken then Archaeology Dissertation (20 credits) must be taken, unless a dissertation module is being taken in the other subject	<a href="#">ARCH3051</a> <a href="#">ARCH3371</a>

13. There are three Joint Honours routes through modules offered by the School of Biological and Biomedical Sciences: the Whole Organisms route, Biomedical and the Cell Biology route.
14. Students studying for BSc Joint Honours degrees in the Ecological/Whole Organisms route are required to take the following modules:

<b>Level 1</b>	Genetics Organisms and Environment	<a href="#">BIOL1171</a> <a href="#">BIOL1161</a>
<b>Level 2</b>	Evolutionary Biology Ecology <b>Students taking three Level 2 modules must also take:</b> Behaviour	<a href="#">BIOL2331</a> <a href="#">BIOL2411</a> <a href="#">BIOL2391</a>
<b>Level 3</b>	<b>If two modules are taken they must be picked from:</b> Behavioural and Evolutionary Biology Conservation Biology Global Change Biology <b>If three or more modules are taken they must be picked from:</b> Behavioural and Evolutionary Biology Biology into Schools Conservation Biology	<a href="#">BIOL3561</a> <a href="#">BIOL3551</a> <a href="#">BIOL3541</a> <a href="#">BIOL3561</a> <a href="#">BIOL3431</a> <a href="#">BIOL3551</a>

Global Change Biology [BIOL3541](#)  
Literature Review [BIOL3451](#)

**If three modules are taken** then BIOL3451 Literature Review and BIOL3431 Biology into Schools cannot be taken together

15. Students studying for BSc Joint Honours degrees in the Biomedical route are required to take the following modules:

**Level 1** Physiology [BIOL1151](#)  
Molecules and Cells [BIOL1281](#)  
**Level 2** Cell Structure and Function [BIOL2481](#)  
Human Physiology [BIOL2521](#)  
Modules to the value of no less than 20 credits taken from:  
Immunology [BIOL2421](#)  
**Level 3** Cell Architecture [BIOL3481](#)  
Modules to the value of no less than 60 credits taken from:  
Ageing and Age-related Diseases BIOLXXXX  
Literature Review [BIOL3451](#)  
Behavioural and Stem Cells BIOLXXXX

16. Students studying for BSc Joint Honours degrees in the Cell Biology route are required to take the following modules:

**Level 1** Genetics [BIOL1171](#)  
Molecules and Cells [BIOL1281](#)  
**Level 2** **Students following a BSc Joint Honours degree with Chemistry:**  
Animal Physiology [BIOL2351](#)  
Plant Physiology [BIOL2401](#)  
Biochemistry [BIOL2381](#)  
**Other students taking two Level 2 modules:**  
Molecular Biology [BIOL2371](#)  
Cell Structure and Function [BIOL2341](#)  
**Other students taking three or more Level 2 modules:**  
Molecular Biology [BIOL2371](#)  
Cell Structure and Function [BIOL2341](#)  
Development [BIOL2361](#)  
**Students taking four Level 2 modules must also pick one of:**  
Animal Physiology [BIOL2351](#)  
Plant Physiology [BIOL2401](#)  
**Level 3** **Students following a BSc Joint Honours degree with Chemistry:**  
Molecular Biology [BIOL2371](#)  
Stress and Responses to the Environment [BIOL3491](#)  
**And either** Biotechnology [BIOL3511](#)  
**Or** Literature Review [BIOL3451](#)  
**Other students taking two Level 3 modules:**  
Ageing [BIOL3501](#)  
Cell Architecture [BIOL3481](#)  
**Other students taking three or more Level 3 modules should pick from:**  
Ageing [BIOL3501](#)  
Biology into Schools [BIOL3431](#)  
Cell Architecture [BIOL3481](#)  
Genes and Development [BIOL3521](#)  
Literature Review [BIOL3451](#)  
Stress and Responses to the Environment [BIOL3491](#)  
Stem Cells and Tissue Engineering [BIOL3531](#)  
**If three modules are taken** then BIOL3451 Literature Review and BIOL3431 Biology into Schools cannot be taken together

17. Students studying for BSc Joint Honours degrees involving Business are required to take the following modules:

**Level 1** People, Management and Organisations [BUSI1141](#)  
Elements of Economics [ECON1011](#)

- Level 2** Modules taken from the Level 2 Business module list above  
**Level 3** Modules taken from the Level 3 Business module list above
18. Students studying for BSc Joint Honours degrees involving Chemistry are required to take the following modules:
- Level 1** Core Chemistry 1A [CHEM1012](#)  
**Level 2** Core Chemistry 2 [CHEM2012](#)  
**Students taking 60 credits or more at Level 2 must take at least one of the following modules:**  
 Chemistry of the Elements [CHEM2021](#)  
 Structure and Reactivity in Organic Chemistry [CHEM2031](#)  
 Properties of Molecules [CHEM2041](#)  
**Level 3** Core Chemistry 3 [CHEM3012](#)
19. Students studying for BSc Joint Honours degrees involving Computer Science are required to take the following modules:
- Level 1** Introduction to Programming [COMP1011](#)  
 Computer Systems [COMP1071](#)  
**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
20. Students studying for BSc Joint Honours degrees involving Earth Sciences are required to take the following modules:
- Level 1** Principles of Earth Sciences [GEOL1091](#)  
 Earth Materials [GEOL1021](#)  
**To obtain accreditation the following modules must be taken at either Level 1 or Level 2:**  
 Field Studies [GEOL1051](#)  
**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 must include (the latter module may be taken at level 1):**  
 Fieldwork (Geological) [GEOL2191](#)  
 Environment and Resources (if not already taken) [GEOL1111](#)  
**Level 3** Modules selected from the Level 3 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 modules to the value of 80 credits or more must be taken and must include:**  
 Dissertation [GEOL3022](#)
21. Students studying for BSc Joint Honours degrees involving Economics are required to take the following modules:
- Level 1** Elements of Economics [ECON1011](#)  
 Economic Methods [ECON1021](#)  
**If any Level 1 Maths modules are taken the following module should be taken in place of ECON1021:**  
 The World Economy [ECON1071](#)  
**Level 2** Economic Principles I: Macroeconomics [ECON2011](#)  
 Economic Principles II: Microeconomics [ECON2021](#)  
**Level 3** Modules selected from the Level 3 Economics modules listed above. If modules to the value of 60 credits are take, one 20 credit module can be at Level 2
22. Students studying for BSc Joint Honours degrees involving Geography are required to take the following modules:
- Level 1** **Two 20 credit modules from the following:**  
 Physical Geography [GEOG1081](#)

	Human Geography	<a href="#">GEOG1071</a>
	Introduction to Geographical Research (BSc)	<a href="#">GEOG1232</a>
	Environment and Society	<a href="#">GEOG1061</a>
<b>Level 2</b>	Scientific Research in Geography <b>OR</b>	<a href="#">GEOG2462</a>
	(Social Research in Geography <b>AND</b>	<a href="#">GEOG2472</a>
	Theory and Concepts in Contemporary Human Geography)	<a href="#">GEOG2621</a>

**Students who take GEOG2462 must select between 20 and 40 credits from the following:**

Environmental Processes and Management	<a href="#">GEOG2551</a>
Fluvial Systems	<a href="#">GEOG2521</a>
GIS and Remote Sensing	<a href="#">GEOG2591</a>
Glaciers and Glaciation	<a href="#">GEOG2531</a>
Global Climate Change	<a href="#">GEOG2571</a>
Mountain Landscapes	<a href="#">GEOG2611</a>
Reconstructing Environmental Change	<a href="#">GEOG2601</a>

**Students who take GEOG2472 and GEOG2621 may select 20 credits from the following:**

Development, Society and the Environment	<a href="#">GEOG2541</a>
Environmental Processes and Management	<a href="#">GEOG2551</a>
GIS and Remote Sensing	<a href="#">GEOG2591</a>
Political Geography	<a href="#">GEOG2581</a>
Social and Cultural Geography	<a href="#">GEOG2561</a>
Urban Geography	<a href="#">GEOG2511</a>

**Level 3 Students who took GEOG2462 in Year 2 must select modules from the following:**

Dissertation (40 credits) in Geography B	<a href="#">GEOG3432</a>
Environmental Processes of Change: Field Case Studies	<a href="#">GEOG3491</a>
Environmental Remote Sensing	<a href="#">GEOG3261</a>
Hazard and Risk	<a href="#">GEOG3621</a>
River Dynamics	<a href="#">GEOG3461</a>
Sea-Level Change and Coastal Erosion	<a href="#">GEOG3191</a>
Specialised Aspects of Physical Geography	<a href="#">GEOG3431</a>
The Quaternary of Glaciated Regions	<a href="#">GEOG3511</a>

**Students who took GEOG2472 and GEOG2621 in Year 2 must select from the following:**

Dissertation (40 credits) in Geography A	<a href="#">GEOG3232</a>
Environmental Remote Sensing	<a href="#">GEOG3261</a>
Geographies of Health and Social Care	<a href="#">GEOG3631</a>
Remaking Urban Landscapes	<a href="#">GEOG3741</a>
Hazard and Risk	<a href="#">GEOG3621</a>
Politics/ Space: Drawing Lines, Writing the World	<a href="#">GEOG3661</a>
Specialised Aspects of Human Geography	<a href="#">GEOG3431</a>
Territory and Geopolitics	<a href="#">GEOG3581</a>
Urban Transformations in the New Europe	<a href="#">GEOG3501</a>

23. Students studying for BSc Joint Honours degrees involving Mathematics are required to take the following modules:

<b>Level 1</b>	Linear Algebra I	<a href="#">MATH1071</a>
	Calculus and Probability I	<a href="#">MATH1061</a>
	Analysis I	<a href="#">MATH1051</a>
<b>Level 2</b>	For a Joint Honours degree not involving Physics, any modules selected from the Level 2 Mathematics modules listed above	
	<b>For a Joint Honours Degree with Physics, three 20 credit modules must be taken and must include:</b>	
	Analysis in Many Variables II	<a href="#">MATH2031</a>
	Complex Analysis II	<a href="#">MATH2011</a>
<b>Level 3</b>	Modules selected from the Level 3 modules listed above. If modules to	

the value of 60 credits or more are taken, one 20 credit module can be at Level 2.

24. Students studying for BSc Joint Honours degrees involving Philosophy are required to take the following modules:

- Level 1** Two 20 credits 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.

25. Students studying for BSc Joint Honours degrees involving Physics are required to take the following modules:

- Level 1** Foundations of Physics 1  
(Linear Algebra I **AND** Calculus and Probability I) **OR**  
(Single Mathematics A **AND** Single Mathematics B)  
[PHYS1122](#)  
[MATH1071](#)  
[MATH1061](#)  
[MATH1561](#)  
[MATH1571](#)
- Level 2** **For a Joint Honours degree not involving Mathematics, the following modules must be taken:**  
Foundations of Physics 2A [PHYS2581](#)  
Mathematical Methods in Physics [PHYS2611](#)  
Discovery Skills in Physics (if not taken previously) [PHYS1101](#)  
**For a Joint Honours degree with Mathematics, the following modules must be taken:**  
Foundations of Physics 2A [PHYS2581](#)  
Theoretical Physics 2 [PHYS2631](#)  
**AND** (Discovery Skills in Physics (if not taken previously) **OR** [PHYS1101](#)  
Foundations of Physics 2B (must be taken at Level 2 or Level 3)) [PHYS2591](#)
- Level 3** **For a Joint Honours degree not involving Mathematics, the following modules must be taken:**  
Foundations of Physics 3B [PHYS3631](#)  
Foundations of Physics 2A [PHYS2581](#)  
Laboratory Skills and Electronics 3 [PHYS3681](#)  
**For a Joint Honours degree with Mathematics, the following modules must be taken:**  
Foundations of Physics 3A [PHYS3621](#)  
Theoretical Physics 3 [PHYS3661](#)  
**AND** (Foundations of Physics 3C (if Foundations of Physics 2B was not taken previously) **OR** [PHYS3671](#)  
Modules selected from the Level 2 or 3 Physics modules listed above

26. Students studying for BSc Joint Honours degrees involving Psychology are required to take the following modules:

- Level 1** Introduction to Psychological Research **AND**  
(Introduction to Psychology I **OR** Introduction to Psychology II)  
[PSYC1062](#)  
[PSYC1071](#)  
[PSYC1081](#)
- Level 2** Memory and Cognition [PSYC2081](#)  
Brain Processes of Cognition and Perception [PSYC2111](#)  
Social and Developmental Psychology [PSYC2021](#)
- Level 3** Psychology Project and Statistics ~ [PSYC3041](#)  
Individual Differences and Abnormal Psychology (if not taken previously) [PSYC2071](#)  
Modules to the value of 20-40 credits from the Level 3 Psychology modules listed above

#### **Assessment, progression and award**

27. Modules marked with a ~ must be passed at 40% or above or above for the award of an honours degree. A mark of 30-39% cannot be compensated.

### **Professional accreditation**

28. The specified Joint-Honours approved pathway through Geological Sciences within Natural Sciences has been accredited by the Geological Society for six years with effect from March 2010.

The specified Joint-Honours approved pathways through Psychology within Natural Sciences have been accredited] from the 2008-09 intake to the 2012-13 intake as conferring eligibility for the Graduate Basis for Chartered Membership of the British Psychological Society. Students entering in and after October 2006 need to achieve a minimum of a second class honours degree to gain eligibility.