MSci GEOSCIENCE (F642)

Programme offered at: Durham.

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

LEVEL 1 (Certificate)

1-4	Modules to the value of 80 credits chosen from:		
	How the Earth Works Ψ	GEOL1011	20
	Earth Materials Ψ	GEOL1021	20
	Earth History and Life Ψ	GEOL1031	20
	Earth and Environment Ψ	GEOL1041	20
	Field Studies # Ψ	GEOL1051	20
	Mathematical Methods in Geosciences Ψ Φ	GEOL1061	20
	The Oceans	GEOL1071	20
5-6	Modules to the value of 40 credits chosen from those offered by any Board of Studies		

This module must be passed at 40% or above in order to progress to a BSc Ordinary Degree at the next Level within the Board of Studies in Earth Sciences.
Φ Students are required to take this module if they do not have AS Level mathematics or equivalent at Grade C or above.
Ψ Students who wish to study for a degree accredited by the Geological Society must choose these modules.
Note:
Students are required to attend a residential field course that is usually held in the Easter vacation.

LEVEL 2 (Diploma)

	EITHER (GEOLOGY ROUTE)		
1	Fieldwork (Geological) # Ψ	GEOL2191	20
2	Structural Geology and Tectonics Ψ	GEOL2011	20
3	Sedimentary Environments Ψ	GEOL2031	20
4	Igneous and Metamorphic Geochemistry and Petrology Ψ	GEOL2231	20
5	Geophysical Methods in Geology Ψ	GEOL2081	20
6	One 20 credit module chosen from:		
	Water and Climate	GEOL2171	20
	Fossils and Dynamic Stratigraphy of the British Isles	GEOL2051	20
	Earth Visualisation L2	GEOL2221	20
	OR (ENVIRONMENTAL GEOSCIENCE ROUTE)		
1	Fieldwork (Environmental) # Ψ	GEOL2201	20
2	Water and Climate Ψ	GEOL2171	20
3	Earth Visualisation L2 Ψ	GEOL2221	20
4	Geophysical Methods in Geology Ψ	GEOL2081	20
5	Sedimentary Environments Ψ	GEOL2031	20
6	One 20 credit module chosen from:		
	Structural Geology and Tectonics	GEOL2011	20
	Fossils and Dynamic Stratigraphy of the British Isles	GEOL2051	20
	Igneous and Metamorphic Geochemistry and Petrology	GEOL2231	20
	OR (GEOPHYSICS WITH GEOLOGY ROUTE)		
1	Fieldwork (Geophysical) # Ψ	GEOL2241	20
2	Geophysical Methods in Geology Ψ	GEOL2081	20
3	Earth Visualisation L2 Ψ	GEOL2221	20
4	Structural Geology and Tectonics Ψ	GEOL2011	20
5-6	Modules to the value of 40 credits from:		
	Water and Climate	GEOL2171	20
	Fossils and Dynamic Stratigraphy of the British Isles	GEOL2051	20
	Igneous and Metamorphic Geochemistry and Petrology Ψ	GEOL2231	20
	Sedimentary Environments Ψ	GEOL2031	20

These modules must be passed at 40% or above in order to progress to the Ordinary degree at the next Level.
Ψ Students who wish to study for a degree accredited by the Geological Society must choose these modules.

Notes:
Students are required to attend a field course if specified as part of a module;
Students who fail to achieve the standard required under the Core Regulations for progression to Level 3 of the MSci in Geoscience but who achieve the standard required for progression to Level 3 of a Bachelors programme may progress to Level 3 of the BSc in Geology (for students who have taken GEOL2191, GEOL2011, GEOL2031 and GEOL2081) or BSc in Environmental Geosciences (for students who have taken GEOL2201, GEOL2171, GEOL2221 and GEOL2081) or BSc in Geophysics with Geology (for students who have taken GEOL2241, GEOL2011, GEOL2221 and GEOL2081) in the Honours or Ordinary Stream in accordance with the Core Regulations;
A student who is qualified to progress from Level 2 to Level 3 of the MSci in Geoscience but wishes to transfer to Level 3 of the BSc in Geology (for students who have taken GEOL2191, GEOL2011, GEOL2031 and GEOL2081) or BSc in Environmental Geosciences (GEOL2201 GEOL2171, GEOL2221 and GEOL2081) or BSc in Geophysics with Geology (GEOL2241, GEOL2011, GEOL2221 and GEOL2081) shall be permitted to do so.

LEVEL 3 (Degree)

	EITHER (GEOLOGY ROUTE)		
1-2	Dissertation Ψ	GEOL3022	40
3	Dynamic Earth I Ψ	GEOL3011	20
4-6	Modules to the value of 60 credits from the remaining modules offered by the Board of Studies in Earth Sciences		
	OR (ENVIRONMENTAL GEOSCIENCE ROUTE)		
1-2	Dissertation Ψ	GEOL3022	40
3	Dynamic Earth I Ψ	GEOL3011	20
4	Environmental Geochemistry Ψ	GEOL3041	20
5-6	Modules to the value of 40 credits from the remaining modules offered by the Board of Studies in Earth Sciences		
	OR (GEOPHYSICS WITH GEOLOGY ROUTE)		
1-2	Dissertation Ψ	GEOL3022	40
3	Petroleum Geophysics Ψ	GEOL3221	20
4	Earth Structure and Dynamics Ψ	GEOL3151	20
5-6	Modules to the value of 40 credits chosen from the remaining modules offered by the Board of Studies in Earth Sciences		

Ψ Students who wish to study for a degree accredited by the Geological Society must choose these modules.
Notes:
Students are required to attend a residential field course if specified as part of a module;
Students preparing a mapping dissertation do so for five weeks during the second long vacation;
Students whose achievement at the end of Level 3 does not qualify them to proceed to Level 4 may be awarded the degree of BSc in Geology (for students who have taken GEOL2191, GEOL2011, GEOL2031, GEOL2231 and GEOL2081) or BSc in Environmental Geosciences (for students who have taken GEOL2201, GEOL2171, GEOL2221, GEOL2031 and GEOL2081) or BSc in Geophysics with Geology (for students who have taken GEOL2241, GEOL2011, GEOL2221 and GEOL2081) at either Honours or Ordinary level in accordance with the Core Regulations for the award of a Bachelors degree.

LEVEL 4 (Degree)

1-3	Research Project Ψ	GEOL4053	60
4	Frontiers in Earth Sciences	GEOL4061	20
5	Earth Science Field Seminar Ψ	GEOL4081	20
6	One 20 credit module chosen from:		
	Earth Sciences into Society	GEOL4091	20
	Literature Review	GEOL4071	20

Ψ Students who wish to study for a degree accredited by the Geological Society must choose these modules.
Notes:
Students are required to attend a field course if specified as part of a module;
Students whose achievement at the end of Level 4 does not qualify them to be awarded the degree of MSci in Geoscience may be awarded the degree of BSc in Geology (for students who have taken GEOL2191, GEOL2011, GEOL2031, GEOL2231 and GEOL2081) or BSc in Environmental Geosciences (for students who have taken (GEOL2201, GEOL2171, GEOL2221, GEOL2031 and GEOL2081) or BSc in Geophysics with Geology (for students who have taken GEOL2241, GEOL2011, GEOL2221 and GEOL2081) with Honours in accordance with the Core Regulations for the award of a Bachelors degree.
Accreditation: this programme has been accredited by the Geological Society for a period of six years with effect from June 2004, subject to students choosing modules to constitute an approved pathway as indicated above.

2008-2009