UNIVERSITY OF LEICESTER

Programme Specification (Undergraduate)

FOR ENTRY YEAR: 2025/26

Date created: 11 December 2020 **Last amended:** 16/12/2024 **Version no.** 1

1. Programme title(s) and code(s):

BSc Geology F600

BSc Geology with Foundation Year (F699)

BSc Geology with a Year in Industry

BSc Geology with a Year Abroad

Notes

a) HECOS Code

HECOS Code	%
100395	100%

b) UCAS Code (where required)

F600, F699

2. Awarding body or institution:

University of Leicester

3. a) Mode of study

Full-time

b) Type of study

Campus-based

4. Registration periods:

BSc Geology

The normal period of registration is 3 years

The maximum period of registration 5 years

BSc Geology with Foundation Year

The normal period of registration is 4 years

The maximum period of registration 6 years

BSc Geology with a Year in Industry

The normal period of registration is 4 years

The maximum period of registration 6 years

5. Typical entry requirements

A-level: ABB-BBB preferably including at least two from: Geology, Maths, Biology, Chemistry, Physics, Use of Maths, Computer Science, Environmental Science, or Geography. We also consider one-science profiles with Geology, Maths, Biology, Chemistry or Physics.
EPQ with A-levels: BBB + EPQ at grade B. A-level subjects preferably including at least two from: Geology, Maths, Biology, Chemistry, Physics, Use of Maths, Computer Science, Environmental

Science, or Geography. We also consider one-science profiles with Geology, Maths, Biology, Chemistry or Physics.
BTEC Diploma: DDD in appropriate subject area.
Access to HE courses in Science and Engineering: 45 L3 credits, including 30 at Distinction and remaining L3 credits at least at Merit. To include Physics, Chemistry and Maths Level 3 credits.
International Baccalaureate: Pass diploma with 30 points including grade 5 in two science subjects at HL. Minimum of 3 in HL Maths or 4 in SL Maths required if grade C/4 not held at GCSE. Minimum of 4 in English Language required if grade C/4 not held at GCSE.
T Levels: Distinction in Science (with an Occupational Specialism in Laboratory technician).

For Foundation Year Variant:
BBB or points equivalent from your best three A-levels. Must include **two** science subjects from: Biology, Chemistry, Computer Science, Electronics, Geography, Geology, Maths, Further Maths, Physics, and Statistics, with at least **one** of the subjects being Biology, Chemistry, Maths, or Physics.
BTEC Diploma: DDM in appropriate subject area. You may be required to take an additional maths assessment test.
International Baccalaureate: Pass diploma with 26 points minimum, and must include appropriate maths and science content.
Access to HE: Pass diploma with 24 Distinctions in a science related subject, which must include appropriate maths and science content. You may be required to take an additional maths assessment test.

For the aims, learning outcomes and application criteria for the GCSA Year Abroad please see https://le.ac.uk/study/undergraduates/courses/abroad

6. Accreditation of Prior Learning

APL will not be accepted for exemptions from individual modules, however may be considered for direct entry to year 2, on a case by case and subject to the general provisions of the University APL policy.

7. Programme aims

The programme aims to

1) provide students with a breadth of knowledge of Geology, and exposure to some areas of research at the cutting edge of the Earth Sciences;

2) provide students with a thorough understanding of the theoretical and practical applications of Geology in the study of the Earth, and environmental and societal issues;

3) equip students with transferable and subject-specific skills necessary for a career in the Earth Sciences, other science-based industries, education, and for training at management levels in other professions;

4) promote the development of ICT and written, oral and presentation skills appropriate for a science graduate at the Bachelors level;

5) stimulate students to develop a wide range of independent and team skills;

6) ensure that students benefit from an extensive programme of work in the field, developing fundamental geological knowledge through observation and critical analysis as well as developing personal and character skills;

7) provide students, via the curriculum and research expertise of staff, with the intellectual development and stimulus for research and further study at a post-graduate level;

8) provide students with the environment in which to develop their interest in Geology;

9) enthuse and motivate all students to achieve their full potential in their degree course.

For Foundation Year variant, see STEM Foundation Year programme specification

For the Year in Industry variant only, these additional programme aims apply:

- Prepare students for career and training opportunities which relates to their degree – in both the private and public sectors, and voluntary organisations.
- Construct effective applications for placement opportunities
- Provide students the opportunity to recognise suitable plans for transitioning into the workplace

8. Reference points used to inform the programme specification

- QAA Benchmarking Statement
- Framework for Higher Education Qualifications (FHEQ)
- UK Quality Code for Higher Education
- University Education Strategy
- University Assessment Strategy [log in required]
- University of Leicester Periodic Developmental Review Report
- External Examiners' reports (annual)
- United Nations Education for Sustainable Development Goals
- Student Destinations Data

9. Programme Outcomes

Unless otherwise stated, programme outcomes apply to all awards specified in 1. Programme title(s).

a) Discipline specific knowledge and competencies

i) Mastery of an appropriate body of knowledge

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Discuss and explain the general principles and techniques of Geology, including the structure, composition and evolution of the Earth and its interrelationships with the hydrosphere, cryosphere, biosphere, and atmosphere and the perturbations of these systems by extraterrestrial influences	Lectures; Tutorials; Practical classes; Seminars; Field Courses; Demonstrations; Example sheets; Resource-based learning; Directed reading; Problem-solving classes.	Written and practical examinations, including short-answer and essay examinations; Problem-based examinations; Coursework; Module tests; Essays; Assessment of field reports and maps; Poster presentations; Field notebooks; Problem-based exercises

ii) Understanding and application of key concepts and techniques

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Describe, identify and interpret a range of geological materials in the laboratory and field; select appropriate techniques to enable this; and explain geological relationships.	Lectures; Tutorials; Practical classes; Field Courses; Demonstrations; Example sheets; Resource-based learning; Directed reading.	Written and practical examinations, including short-answer and essay examinations; Problem-based examinations; Field notebooks.
Examine, record and interpret the geology (senso lato) of a region via a range of field-based techniques.	Lectures; Tutorials; Practical classes; Field Courses; Demonstrations; Independent field work.	Practical examination; Report and field notebook and map assessment
Explain geological time, rates and fluxes, and the techniques required to determine them.	Lectures, Tutorials, Practical classes; Seminars; Field Courses; Demonstrations; Example sheets; Resource-based learning; Directed reading; Problem-solving classes.	Written and practical examinations, including short-answer and essay examinations; Problem-based examinations.
Select geological knowledge and data for modeling purposes (for example, for evaluation of scientific hypotheses, for hazard mitigation, or for resource estimation).	Lectures; Tutorials; Practical classes; Field Courses; Demonstrations.	Written and practical examinations, including short-answer and essay examinations; Problem-based examinations; field notebooks.

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Describe the importance of geological materials resources, their exploitation and associated environmental impact.	Lectures, practical classes, tutorials, field courses	Exam and group work.
Demonstrate and apply knowledge of safety procedures in the field.	Field-based practical classes and demonstrations	Completion of risk assessments; Demonstration and role play; Application during Field Courses.

iii) Critical analysis of key issues

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Identify theories paradigms, concepts and principles; apply scientific principles to evaluate current geological paradigms; and evaluate environmental and societal aspects of the Earth's resources.	Lectures; Tutorials; Practical classes; Field Courses; Demonstrations; Example sheets; Resource-based learning; Directed reading.	Written and practical examinations, including short-answer and essay examinations; Problem-based examinations; Coursework; Module tests; Essays; Tutorial discussions; Dissertations.

iv) Clear and concise presentation of material

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Synthesise and interpret results, in order to effectively communicate (via written, oral, graphical means) data and ideas to a range of audiences.	Tutorials; Group seminars; Practical classes	Essays, essay-based examinations; independent projects; contributions to tutorial discussions; poster displays; reports; group talks.

v) Critical appraisal of evidence with appropriate insight

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Debate geological ideas. Construct and test scientific hypotheses and analyse using geological data.	Lectures; Tutorials; Practical classes; Seminars; Field Courses; Demonstrations; Directed reading; Problem-solving classes.	Essays; essay- and practical examinations; reports; presentations; Dissertations.

vi) Other discipline specific competencies

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Conduct a range of field-based studies (e.g. geological mapping and recording of field observations).	Field courses, practical classes and demonstrations.	Report, field notebook, and geological map. Practical examinations
Develop responsibility for the immediate working environment.	Field-based classes and projects.	Staff-monitoring of hazard assessment forms. Assessment of fieldwork.
Describe risks for hazard assessment for field-based work. Identify safe practice.	Field-based classes and projects.	Staff-monitoring of hazard assessment forms. Assessment of fieldwork.
Explain the geological structure and history of an area.	Field classes, lectures, practical classes	Independent field project report.

b) Transferable skills

i) Oral communication

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Present geological data and theories using appropriate methods.	Tutorials; Group seminars/discussions; field-based presentations.	Oral presentations in tutorials and classes.
Discuss and review geological topics in tutorial and other group discussions, and respond effectively to questioning.	Tutorials; Group seminars/discussions; field-based presentations.	Oral presentations in tutorials and classes

ii) Written communication

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate effectively and appropriately in a variety of written formats including essays, reports, projects, CVs and posters	Tutorials, demonstrations and guidance notes	Assessed essays, reports, poster displays, and examinations
Draw and describe geological features, specimens and thin sections.	Practical classes, demonstrations, fieldwork, independent project work	Field notebooks; assessed practical folders; assessed reports.

iii) Information technology

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Use spreadsheets or other software to enter, manipulate and display numerical data.	Subject-embedded exercises. Tutorials.	Assessed report; practical assignments.
Use appropriate software packages to prepare written reports, essays, dissertations, posters and presentations (e.g. Word, PowerPoint)	Report-writing for tutorials; subject-embedded exercises; presentation to tutorial groups and classes.	Assessed report; tutorial and practical assignments; independent work assignments.
Critically review information from electronic sources.	Tutorial and class supported information retrieval for projects, essays, reports and dissertations.	Assessed report; tutorial; practical assignments and independent work assignments

iv) Numeracy

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Select appropriate numerical, statistical and graphical methods to explain and interpret geological concepts.	Introduced in the first year within practical classes and tutorials.	Mid-semester progress tests and as components within subject specific modules throughout the three years of study; feedback on practical class assignments.

v) Team working

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Organize and work effectively within a team, and evaluate performance of self and of team.	Tutorials, seminars, practical classes, project work, and field-based discussions.	Tutorial-based assessments; assessed practical work, and team fieldwork.
Identify self and team goals and responsibilities for team working.	As above	As above

vi) Problem solving

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Solve numerical, spatial, temporal and geometrical problems.	Lectures, tutorials, practical and field classes, group work, projects	Assessment of field notebooks, practical class work, project work
Solve problems with incomplete or contradictory information.	As above	As above

vii) Information handling

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Effectively search for, gather and utilise information relevant to geological problem solving.	Lectures, tutorials, practicals, study skills within tutorials, field and lab-based projects.	Tutorial assignments, project work.

viii) Skills for lifelong learning

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate intellectual independence.	All of the above, and particularly independent project work.	Assessed independent work. Coursework within modules
Develop and implement a personal plan of work to meet a deadline.	All of the above, and particularly independent project work.	Assessed independent work.
Identify targets for personal, career and academic development.	All of the above, and particularly independent project work and in tutorials	Assessed independent work. Successful Placement for Year in Industry students.

For Year in Industry students (only)

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated
On Placement		
1. Apply the theoretical and practical aspects of the material studied at the University and demonstrate the personal and professional skills necessary for your role within the organisation.	Project supervision, independent research	Completion of Monthly Reflective Journals to record skills development, major achievements, key areas of work, learning points and challenges overcome. Assessed by a Placement Portfolio, comprising of a Reflective Summary, Professional Development Plan, and Updated CV (excluded from word count) to formally assess on a pass or fail basis. Formative feedback during a Placement Visit (in person or via Skype) from Placement Provider and Placement Tutor regarding reflection on skills development, areas of strength

		and weakness and contribution to the workplace.
2. Compose a Professional Development Plan considering your strengths, development areas and motivations for your next step	Project supervision, independent research	Completion of Monthly Reflective Journals to record skills development, major achievements, key areas of work, learning points and challenges overcome. Assessed by a Placement Portfolio, comprising of a Reflective Summary, Professional Development Plan, and Updated CV (excluded from word count) to formally assess on a pass or fail basis. Formative feedback during a Placement Visit (in person or via Skype) from Placement Provider and Placement Tutor regarding reflection on skills development, areas of strength and weakness and contribution to the workplace.
3. Modify your CV to include the skills and experience you have gained through your significant experience gained in the past 12 months.	Project supervision, independent research	Completion of Monthly Reflective Journals to record skills development, major achievements, key areas of work, learning points and challenges overcome. Assessed by a Placement Portfolio, comprising of a Reflective Summary, Professional Development Plan, and Updated CV (excluded from word count) to formally assess on a pass or fail basis. Formative feedback during a Placement Visit (in person or via Skype) from Placement Provider

		and Placement Tutor regarding reflection on skills development, areas of strength and weakness and contribution to the workplace.

10. Progression points

This programme follows the standard Scheme of Progression set out in Senate Regulations – see the version of Senate Regulation 5 governing undergraduate programmes relevant to the year of entry.

In cases where a student has failed to meet a requirement to progress they will be required to withdraw from the course

For Foundation Year Variant:

- Progression from Year 0 to year 1: see the STEM Foundation Year programme specification for the year of entry.

Progression onto a year in industry

The progression criteria for a 'year in industry' programme is to meet the requirements needed to progress to the next level of study as outlined in the University's Senate 5 Regulations.

Where a degree programme has a requirement from a Professional or Statutory Body (PSRB) for academic attainment for students undertake a year in industry are exempt from the proposed new progression criteria and will continue to uphold existing progression criteria.

A Placement Student will revert back to the degree without Year in Industry if:

1. They fail to secure a year in industry role.
2. They fail to pass the assessment related to the year in industry.
3. The year in industry ends early due to the behaviour of the Placement Student not being in accordance with the University's Regulations for Students, Student Responsibilities. The Placement Student will need to suspend for the remainder of the academic year. To prevent such an incident from happening, processes are in place to identify any possible issues or concerns early in the year in industry role. This includes a start check, regular communications, visits to the workplace (physical and/or virtual) and evaluation. Communication and contact between the Placement Student, Placement Provider and University provides support should issues arise.
4. They discontinue their Year in Industry. A student can return to their campus-based studies no later than the end of teaching week 2 at the start of the academic year should they decide to discontinue their Year in Industry they should complete a Course Transfer From. If a Placement Student decides to discontinue their Year in Industry after this point they will need to suspend their studies for the remainder of the academic year.

Nine months is the minimum time required for a year in industry to be formally recognised. If the year in industry is terminated earlier than 9 months as a result of event outside of the Placement Students control (for example redundancy, or company liquidation), the following process will be adopted:

1. If the Placement Student has completed 1 – 6 months, they will be supported to search for another placement to take them up to the 9 months required for the year in industry to be formally recognised. If the Placement Student does not find a placement to meet this criteria they will be required to suspend and transferred onto the degree without Year in Industry.
2. If the Placement Student has completed 7-8 months, they will be supported to search for another placement to take them up to the 9 months required for the year in industry to be formally recognised. If the Placement Student cannot source an additional placement to take them to 9 months, assessments related to the year in industry will be set for the student to make it possible for the individual learning objectives for the year in industry to be met. This will allow the Year in Industry to be recognised in the degree certificate.
3. A Placement Student will not be permitted to undertake a placement which runs across two academic years.

a) Course transfers

Course transfers may be considered at the end of year 1.

11. Criteria for award and classification

This programme follows the standard scheme of undergraduate award and classification set out in Senate Regulations – see the version of *Senate Regulation 5 governing undergraduate programmes* relevant to the year of entry.

12. Special features

Residential field courses

Group problem solving

Student centred learning – small-group tutorials

Field-based project

Accessible, extensive mineral, rock and fossils undergraduate teaching collections

Department-based specialist careers advisors

Optional year abroad

Placements

It is the student's responsibility to secure a year in industry role. Employer led activities provide a platform for students to engage with organisations who are recruiting students for year in industry roles.

When a Placement Student starts a year in industry, they will be required to complete health and safety documents and confirm they have completed a formal induction process no later than the 2nd week of placement. A Placement Student on the Year in Industry variant will also gain from being able to:

1. Apply the theoretical and practical aspects of the material studied at the University and demonstrate the personal and professional skills necessary for your role within the organisation.
2. Compose a Professional Development Plan considering your strengths, development areas and motivations for your next step

3. Modify your CV to include the skills and experience you have gained through your significant experience gained in the past 12 months

12a. Research-inspired Education

Students on this programme will advance through the four quadrants of the University of Leicester Research-inspired Education Framework as follows:

RiE Quadrant	Narrative
	The Geology programme offers a comprehensive education in geological methods, critical thinking, and problem-solving through exposure to current research and active fieldwork.
Research-briefed Bringing staff research content into the curriculum.	• **Research briefed** - Students engage with challenging learning inspired by the cutting-edge research from the Evolution and Past Environments and Solid Earth research groups, as well as other experts at the University of Leicester. Our staff bring their research straight into the classroom, making learning exciting and relevant.
Research-based Framed enquiry for exploring existing knowledge.	• **Research based** - Lectures and practicals often utilize data samples from Leicester researchers, contextualizing geological interpretation and data analysis. Students receive early training to support independent geological mapping in later years.
Research-oriented Students critique published research content and process.	• **Research oriented** – Students learn to critically appraise data, conduct analyses in laboratory and computer classes, fieldwork, and various assessments. Training includes evaluating published research and data, as well as writing popular science articles based on literature interpretation.
Research-apprenticed Experiencing the research process and methods; building new knowledge.	• **Research apprenticed** – The programme includes training in report writing, group work, presentation skills, and research techniques. Students present findings through written reports, geological maps, and oral presentations. Field courses are key, providing opportunities to collect and interpret geological data, and training in microscopy and geochemistry. The University of Leicester's Geology programme integrates research into every aspect of learning, preparing students for advanced study and professional practice in the field.

As part of studying at a research-intensive university, students on this programme have the following extra or co-curricular opportunities available to them to gain exposure to research culture:

The School has a full programme of weekly seminars by outside speakers, to which Undergraduate students are encouraged to attend through promotion in the School newsletter and through lecture shout-outs. The Leicester Literary and Philosophical Society (Geology Chapter) meets regularly in the environment of the School. Staff also pen their latest research findings within the School newsletter, and pin their latest journal papers to their relevant VLE module sites in a virtual noticeboard.

The Centre for Palaeobiology offers research bursaries, which are open to all students in the School. These normally support multiple students to join a School research project.

Teaching on this programme will be research-informed (it draws consciously on systematic inquiry into the teaching and learning process itself) in the following way:

The School supports all staff involved in teaching to gain an accredited Higher Education teaching qualification, in which they demonstrate their use of teaching theory to support their own practice and reflect on their current teaching and continuing professional development.

Academic staff meet twice per year to discuss the latest developments in teaching and learning, for example most recently in regard to generative artificial intelligence. Selected staff conduct horizon scanning of the latest journal papers in Journal of Geoscience Education and bring ideas at the forefront of innovation to their peers.

13. Indications of programme quality

Accreditation by the Geological Society of London.

The research interests of the staff strongly inform the teaching programme.

Quotes from recent External Examiners:

'The department is excellent and deserves its reputation as one of the leading centres of geoscience teaching/research in Europe.'

'These are high quality programmes delivered by an approachable and dedicated staff team. Further, your students really appreciate the Department and indicated that they have had a very enjoyable and satisfying learning experience. The field programme is comprehensive and to be commended.'

'The department operates under the highest academic standards. An excellent range of courses is offered and these are evidently taught with great enthusiasm and authority. Staff are at all times approachable and accessible and there is an enviably professional and friendly atmosphere in the department.'

‘The department offers a very good mix of classroom, fieldwork and independent learning opportunities and student feedback to us showed that this was appreciated by the students.’

14. External Examiner(s) reports

The details of the External Examiner(s) for this programme and the most recent External Examiners’ reports for this programme can be found at exampapers@Leicester [log-in required]

UNIVERSITY OF LEICESTER

Programme Specification (Undergraduate) FOR ENTRY YEAR: 2025/26

Date created: 11 December 2020 **Last amended:** 16/12/2024 **Version no.** 1

Appendix 1: Programme structure (programme regulations)

The University regularly reviews its programmes and modules to ensure that they reflect the current status of the discipline and offer the best learning experience to students. On occasion, it may be necessary to alter particular aspects of a course or module.

Updates to the programme

Academic year affected	Module	Change
2025/26	GL1101 The Rock Cycle	Core module removed
2025/26	GL1102 Micro to Macro	Core module removed
2025/26	GL1007 From Core to Crust	New core module
2025/26	GY1431 Evolution of the Earth System	New core module
2025/26	GL1108 Our Dynamic Planet	New core module
2026/27	GL2111 Geological Fieldwork: Methods and Applications	New core module
2026/27	GL2112 Mapping Earth's History: Structural and Stratigraphic Field Techniques	New core module
2026/27	GL2100 Geological Field Skills	Core module removed

BSc Geology

Level 4/Year 1 2025/26

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	15 credits	45 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Year long	GL1100	Tutorials	15 credits
Sem 1	GL1103	Palaeobiology and the Stratigraphic Record	15 credits
Sem 1	GL1107	From Core to Crust	15 credits
Sem 1	GY1431	Evolution of the Earth System	15 credits
Sem 2	GL1104	Natural Resources and Energy for the 21st Century	15 credits
Sem 2	GL1105	Geological Maps and Structures	15 credits
Sem 2	GL1106	Introductory Field Course	15 credits
Sem 2	GL1108	Our Dynamic Planet	15 credits

Notes
n/a

Level 5/Year 2 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	Choose an item.	45 credits	60 credits
Optional	n/a	15 credits	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	GL2103	Magmatic and Metamorphic Processes	15 credits
Sem 1	GL2111	Geological Fieldwork: Methods and Applications	15 credits
Sem 1	GY2420	Climate Change: Impacts, Vulnerability and Adaptation	15 credits
Sem 2	GL2101	Introduction to Geochemistry	15 credits
Sem 2	GL2102	Structure and Tectonics	15 credits
Sem 2	GL2105	Depositional Processes and Environments	15 credits
Sem 2	GL2112	Mapping Earth's History: Structural and Stratigraphic Field Techniques	15 credits

Notes
n/a

Option modules

Delivery period	Code	Title	Credits
Semester 1	GL2106	Mineral Resources for net-zero Carbon 1	15 credits
Semester 1	GL2107	Major Events in the History of Life	15 credits

Notes
This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2027/28

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	GL3100	Field Based project	30 credits
Sem 2	GL3101	Dissertation	15 credits

Option modules

Delivery period	Code	Title	Credits
Sem 1	GL3102	Environmental Geoscience	15 credits

Delivery period	Code	Title	Credits
Sem 1	GL3108	The Forensic, Archaeological and Geological Application of Microfossils	15 credits
Sem 1	GL3118	Crustal Dynamics	15 credits
Sem1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	GL3109	Mineral Exploration, Economics and Sustainability	15 credits
Semester 2	GL3111	Diversity and Evolution of Vertebrates	15 credits
Semester 2	GL3114	Key Events in the Evolution of Planet Earth Viewed Through the Geological Lens of Wales - a field course	15 credits
Semester 2	GL3116	Volcanology (Tenerife)	15 credits
Semester 2	GL3110	Mineral Resources for net-zero Carbon 2	15 credits
Semester 2	GL3121	Natural Hazards	15 credits
Semester 2	GY3434	Stable Isotopes in the Environment	15 credits

Notes
This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

BSc Geology with a Year in Industry

Level 4/Year 1 2025/26

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	15 credits	45 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Year long	GL1100	Tutorials	15 credits
Sem 1	GL1103	Palaeobiology and the Stratigraphic Record	15 credits
Sem 1	GL1107	From Core to Crust	15 credits
Sem 1	GY1431	Evolution of the Earth System	15 credits
Sem 2	GL1104	Natural Resources and Energy for the 21st Century	15 credits
Sem 2	GL1105	Geological Maps and Structures	15 credits
Sem 2	GL1106	Introductory Field Course	15 credits
Sem 2	GL1108	Our Dynamic Planet	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 5/Year 2 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	60 credits
Optional	n/a	15 credits	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	GL2103	Magmatic and Metamorphic Processes	15 credits
Sem 1	GL2111	Geological Fieldwork: Methods and Applications	15 credits
Sem 1	GY2420	Climate Change: Impacts, Vulnerability and Adaptation	15 credits
Sem 2	GL2101	Introduction to Geochemistry	15 credits
Sem 2	GL2102	Structure and Tectonics	15 credits
Sem 2	GL2105	Depositional Processes and Environments	15 credits
Sem 2	GL2112	Mapping Earth's History: Structural and Stratigraphic Field Techniques a	15 credits

Option modules

Semester 1	GL2106	Mineral resources for net-zero Carbon 1	15 credits
Semester 1	GL2107	Major Events in the History of Life	15 credits

Notes
This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Year 3 2027/28

Students who gain an industry placement will be assessed as per the standard model for undergraduate placements in the College of Science and Engineering. The marks from this year will not be included in the final degree assessment.

Year long	ADGL223	On Placement	0 credits

Level 6/Year Final 2028/29

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	GL3100	Field Based project	30 credits
Sem 2	GL3101	Dissertation	15 credits

Option modules

Delivery period	Code	Title	Credits
Sem 1	GL3102	Environmental Geoscience	15 credits
Sem 1	GL3108	The Forensic, Archaeological and Geological Application of Microfossils	15 credits
Sem 1	GL3119	Ore Genesis	
Sem 1	GL3120	Igneous Petrogenesis	15 credits
Sem 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	GL3111	Diversity and Evolution of Vertebrates	15 credits
Semester 2	GL3114	Key Events in the Evolution of Planet Earth Viewed Through the Geological Lens of Wales - a field course	15 credits

Delivery period	Code	Title	Credits
Semester 2	GL3116	Volcanology (Tenerife)	15 credits
Semester 2	GL3109	Mineral Exploration, Economics and Sustainability	15 credits
Semester 2	GL3121	Natural Hazards	15 credits
Semester 2	GY3434	Stable Isotopes in the Environment	15 credits

Notes
This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

BSc Geology with a Year Abroad

Level 4/Year 1 2025/26

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	15 credits	45 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Year long	GL1100	Tutorials	15 credits
Sem 1	GL1103	Palaeobiology and the Stratigraphic Record	15 credits
Sem 1	GL1107	From Core to Crust	15 credits

Delivery period	Code	Title	Credits
Sem 1	GY1431	Evolution of the Earth System	15 credits
Sem 2	GL1104	Natural Resources and Energy for the 21st Century	15 credits
Sem 2	GL1105	Geological Maps and Structures	15 credits
Sem 2	GL1106	Introductory Field Course	15 credits
Sem 2	GL1108	Our Dynamic Planet	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 5/Year 2 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	15 credits	45 credits	60 credits
Optional	n/a	15 credits	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	GL2103	Magmatic and Metamorphic Processes	15 credits
Sem 1	GL2111	Geological Fieldwork: Methods and Applications	15 credits
Sem 1	GY2420	Climate Change: Impacts, Vulnerability and Adaptation	15 credits
Sem 2	GL2101	Introduction to Geochemistry	15 credits

Delivery period	Code	Title	Credits
Sem 2	GL2102	Structure and Tectonics	15 credits
Sem 2	GL2105	Depositional Processes and Environments	15 credits
Sem 2	GL2112	Mapping Earth's History: Structural and Stratigraphic Field Techniques	15 credits

Option modules

Delivery period	Code	Title	Credits
Semester 1	GL2106	Mineral resources for net-zero Carbon 1	15 credits
Semester 1	GL2107	Major Events in the History of Life	15 credits

Notes
This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

THIRD YEAR MODULES 2027/28

The third year will be spent abroad at one of the University's partner institutions. Students will be required to reach a prescribed level of attainment in the work done abroad (a pass in Leicester terms according to the mark translation). Any student failing the year abroad component will revert back to the standard Leicester variant of their degree."

Level 6/Year Final 2028/29

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits

Status	Year long	Semester 1	Semester 2
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	GL3100	Field Based project	30 credits
Sem 2	GL3101	Dissertation	15 credits

Option modules

Delivery period	Code	Title	Credits
Sem 1	GL3102	Environmental Geoscience	15 credits
Sem 1	GL3108	The Forensic, Archaeological and Geological Application of Microfossils	15 credits
Sem 1	GL3119	Ore Genesis	15 credits
Sem 1	GL3120	Igneous Petrogenesis	15 credits
Sem 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Sem 2	GL3109	Mineral Exploration, Economics and Sustainability	15 credits
Semester 2	GL3111	Diversity and Evolution of Vertebrates	15 credits
Semester 2	GL3114	Key Events in the Evolution of Planet Earth Viewed Through the Geological Lens of Wales - a field course	15 credits
Semester 2	GL3116	Volcanology (Tenerife)	15 credits
Semester 2	GL3121	Natural Hazards	15 credits

Delivery period	Code	Title	Credits
Semester 2	GY3434	Stable Isotopes in the Environment	15 credits

Notes
This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Appendix 2: Module specifications

See undergraduate module specification database [login required] (Note - modules are organized by year of delivery).