

BACHELOR'S DEGREE IN GEOLOGY COMPETENCES

BASIC COMPETENCES

- CB1 Capacity to demonstrate knowledge and understanding in a field of study that builds upon general secondary education, and is typically at a level that, whilst supported by advanced textbooks, includes some aspects that will necessarily be informed by knowledge at the cutting edge of the field of study.
- CB2 Capacity to apply knowledge and understanding in a manner that indicates a professional approach to the work or vocation, and have competences typically demonstrated through devising and sustaining arguments and solving problems within the field of study.
- CB3 Ability to gather and interpret relevant data (usually within the field of study) to inform judgements that include reflection on relevant social, scientific or ethical issues.
- CB4 Capacity to communicate information, ideas, problems and solutions to specialist and non-specialist audiences.
- CB5 Learning skills required to undertake further study with a high degree of autonomy.

GENERAL COMPETENCES

- CG1 (CG1.1)* Critical and self-critical capabilities.
- CG2 (CG1.2)* Capacity to assess and maintain the quality of the work produced.
- CG3 (CG1.3)* Determination and perseverance applicable to professional tasks and responsibilities.
- CG4 (CG1.4)* Capacity to demonstrate social responsibility and civic awareness.
- CG5 (CG2.1)* Capacity for abstract thought and capacity for analysis and synthesis.
- CG6 (CG2.2)* Planning and time-management skills.
- CG7 (CG2.3)* Capacity for learning and continuous improvement.
- CG8 (CG2.4)* Capacity to make reasoned decisions and adapt to new situations.
- CG9 (CG3.1)* Capacity to work with others and contribute to group projects.
- CG10 (CG4.1)* Capacity to identify, frame and solve problems.
- CG11 (CG4.2)* Capacity to envision, design and manage projects.
- CG12 (CG4.3)* Capacity to access and assimilate new knowledge and attitudes.
- CG13 (CG5.1)* Capacity to understand and produce spoken and written Catalan, Spanish and a third language, including the comprehension and use of specialized terminology.
- CG14 (CG5.2)* Capacity to research and integrate information using information and communication technologies.

SPECIFIC COMPETENCES

- CE1 Broad understanding of the characteristics, processes, history and materials of the Earth system.
- CE2 Understanding of the applications and responsibilities of geology and its role in society.
- CE3 Working knowledge of geology-related disciplines
- CE4 Ability to complete research in geology independently of others.
- CE5 Ability to identify and understand the spatial-temporal dimensions of geological processes and their effects on the planet.

- CE6 Ability to gather, process and interpret field data and other sources of information with the necessary rigour, conduct laboratory analyses and document the results.
- CE7 Capacity to apply simply quantitative methods, including geospatial techniques, to Earth systems.
- CE8 Capacity to define, decide upon and implement problem-solving strategies in geology and report on their results.
- CE9 Capacity to observe and understand environmental processes.
- CE10 Capacity to apply best practices in professional activity (in areas such as legal framework, safety, the environment and sustainability).
- CE11 Practical understanding of a wide range of rocks, structures, landscapes and other natural processes.
- CE12 Skills required in the principal areas of employment in geology.
- CE13 Capacity to communicate information about geology (data, ideas, problems and solutions) to a particular discourse community and to non-specialists.

(*) In parentheses, the codes equivalent to the general competences in the GR@D application of the UB for the preparation of subject's course plans.