

MASTER OF SCIENCE IN GEOLOGY

PROGRAMME JOINTLY OFFERED BY CATHOLIC UNIVERSITY OF LEUVEN, KU LEUVEN

MAJORS: GEOLOGY OF BASINS - SURFACE PROCESSES AND PALEOENVIRONMENTS - GEODYNAMICS AND GEORESOURCES - SOIL AND GROUNDWATER

120 ECTS CREDITS - LANGUAGE: ENGLISH

INHOUD

The Master in Geology – organised jointly by Ghent University and Catholic University of Leuven – offers an in-depth training in general geology and a specialised training in selected disciplines of geology. Emphasis is put on acquiring general academic skills such as research and exploration, reporting, co-operation with fellow students and researchers. The student receives the necessary training to analyse and solve new, broader and more complex geological problems. One obtains the scientific attitude to solve these problems by selecting and applying advanced methods (qualitative and quantitative field analysis, direct and indirect observation techniques, physical and chemical analytical techniques, modelling of geological processes etc).

One should not only have hands-on knowledge of the techniques and the basic principles, but also be able to appraise the potential and the limitations of the different techniques. In a rational and scientific way, he/she is able to process and to report the research results, to publish them in reports and in a master thesis (monograph), and to present and defend these results orally in a structured way, aided by modern communication techniques.

The Master in Geology has the social attitudes and skills to work in an interdisciplinary team with the aim to reach the best possible coherent solution for a specific problem.

STRUCTUUR

The master's programme offers the possibility to specialise in one of the four majors offered:

- Basins and Orogens (60 credits)
- Groundwater and Mineral Resources (60 credits)
- Geodynamics and Georesources (54 credits)
- Surface Processes and Paleo-environments (55 credits).

Depending on the chosen major, students take up an additional 30 to 36 credits for elective courses. In the second year, a research project (master's dissertation) of 30 credits is scheduled. The master's dissertation is an original piece of research work. It aims to develop and strengthen the research capacity skills of the students. The student selects a topic and is given guidance by a supervisor. The master's dissertation consists of a literature review part, practical research and an original analysis of the topic.

If you want to combine your master's degree with a teacher's degree, then there is the option of following an 'Educatieve master' instead of the above described master. The 'Educatieve master' however is a Dutch taught programme. More information can be found on www.ugent.be/educatievemaester.

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ARBEIDSMARKT

The strong multidisciplinary character of this programme does not only open the door to innovative research, but also to dynamic industrial sectors, governmental agencies, NGO's etc. Students of the master's programme in geology also acquire step by step an enormous advantage: the use of professional English. The world will be your oyster.

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TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

1 Rechtstreeks:

- Bachelor in de geologie

2 Na het met succes voltooien van een voorbereidingsprogramma:

MIN 3 SP - MAX 100 SP

- Bachelor in de bio-ingenieurswetenschappen, afstudeerrichting: land- en bosbeheer
- Bachelor in de bio-ingenieurswetenschappen, afstudeerrichting: landbouwkunde
- Bachelor in de bio-ingenieurswetenschappen, afstudeerrichting: milieutechnologie
- Bachelor in de biologie
- Bachelor in de chemie
- Bachelor in de fysica
- Bachelor in de fysica en de sterrenkunde
- Bachelor in de geografie
- Bachelor in de geografie en de geomatica
- Bachelor in de ingenieurswetenschappen, afstudeerrichting: geotechniek en mijnbouwkunde

ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

Information on admission requirements and the administrative procedure for admission on the basis of a diploma obtained abroad, can be found on the following page: www.ugent.be/admission

Additional information:

The course is open to students with at least a bachelor's degree in the field of geology with minimum 180 credits.

Language requirements for this study programme differ from the required standard level for English taught study programmes as specified in the Ghent University Education and Examination Code:

English: TOEFL 90 (internet-based) - IELTS: 7 - Certificate awarded by Ghent University Language Centre confirming proficiency in English, CEF-level B2 - Certificate Practical English 5, Upper-Intermediate Academic English or Preparing for an English test, issued by Ghent University Language Centre - Cambridge ESOL: First certificate in English (FCE)

Remark: Test participants should specify the "institution code" 2643 for UGent and 0749 for KU Leuven, so that the score can be sent directly to the university.

Prospective students will be **exempted from** the applicable language requirements, if they have already passed an

English-language study programme, either in secondary education or at another institution for higher education (i.e. the student needs to have obtained 60 credits).

PRACTICAL INFORMATION

Study programme

studiekiezer.ugent.be/master-of-science-in-geology-en/programma

Information sessions

Graduation Fair

afstudeerbeurs.gent/en/students/further-studies

Open Days

Enrolling institution

Ghent University, KU Leuven

Application deadline

For students who **need a visa**: 1st of March

For students who **do not need a visa**: 1st of June

Read more

Tuition fee

More information is to be found on: www.ugent.be/tuitionfee

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