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# Bachelor of Science (Honours) in Geology

MQF Level 6 | 180 ECTS





ACADEMY



## ABOUT US

Founded in 2005 as IDEA Leadership and Management Institute, IDEA Academy has since evolved into one of Malta's leading higher education institutions accredited by the Malta Further and Higher Education Authority. We offer a selection of accredited, industry-led programmes in a wide variety of fields, from foundation programmes right up to doctorate.

Our mission is to provide quality, industry-driven education to adult students who are already practitioners and professionals. In doing so, we adopt a student-centric blended approach to learning that is flexible and allows one to balance between personal, professional, and student life.



**ALSO  
AVAILABLE  
ONLINE**



# Bachelor of Science (Honours) in Geology

MQF Level 6 | 180 ECTS

## COURSE DESCRIPTION

The Bachelor of Science (Honours) in Geology, imparts vital competencies for careers in the construction industry (rock excavation, geomaterials, quality control), resource extraction (quarrying, mining, oil and gas), and the environment (geohazards, ground remediation).

Year one establishes a robust geology foundation, sedimentology, geomorphology, tectonics, and geotechnical skills. It also covers economic aspects and industrial use of rocks.

Year two advances the students' knowledge on remote data acquisition methods, rock materials, and applications of geology. Such as hydrogeology and basin analysis.

The final year offers specialisation options, including engineering geology, catering to construction, environmental planning, or extractive industries. This programme equips students with academic rigour and practical skills for success in diverse geology-related professions.

This course was prepared in collaboration with the Malta Chamber of Geologists, to learn more about the Malta Chamber of Geologists, please visit their website at [www.mgeol.org](http://www.mgeol.org).

## TARGET AUDIENCE

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This program caters to individuals interested in enhancing their academic and professional understanding of Geology and Earth Sciences.

This program targets individuals who:

- would like to advance their academic and professional knowledge of Geology and Earth Sciences.
- would like to advance their academic and professional knowledge of rocks, namely, classification, testing, and use in industry.
- work in the construction and quarrying industry.
- are seeking to pursue a career in Geology and Earth Sciences.
- work in geotechnical laboratories seeking to advance their knowledge and position.

## ENTRY REQUIREMENTS

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Candidates who apply for this course must possess:

- a related qualification at MQF Level 4

### AND/OR

- one 'A' Level or equivalent in a Science subject and a pass in English Language\* and Mathematics at MQF Level 3 ('O' Level or equivalent)

\* Students whose first language is not English and do not possess an 'O' level pass in English Language will be required to demonstrate English language capability at IELTS level 6.0 or equivalent.

For students lacking the necessary academic qualifications, the Recognition of Prior Learning (RPL) process may apply. If equivalent learning evidence is found, the applicant could be accepted into the course.

## STRUCTURE & ASSESSMENT

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This is a part-time course that will typically take 42 months to complete. The programme consists of a total of 16 modules.

### The course comprises:

- Lectures per module depending on the number of ECTS (twice a week);
- 3- hour lectures;
- 12 hours of guided learning, presentations, comprising synchronous online discussions, tutorials and/or videos;
- The formative and summative assessment tasks may include in-class and home-based assignments, online and in-class discussions, exams, fieldwork, lab work, case studies, reports, proposals, essays, and presentations;
- Self-study hours comprising research, reading and assignment work.

## CAREER PATHS

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The potential positions for which this programme aims to prepare could be and are not limited to:

- Professional Geologist
- Geological technician
- Manager of geotechnical laboratory
- Consultancy
- Court Expert
- Environmental auditor and Environmental Impact Assessment expert



### Claudio Cauchi | Higher Diploma in Business Management

BB After many years – probably too many – I accepted the fact that I had to improve academically in order to get better career opportunities, as experience alone was not enough.

I knew that juggling family, work and study commitments would be a challenge and therefore finding the right institution that could understand these realities was crucial for me to ensure that I would succeed.

IDEA Academy has indeed ticked all the right boxes. The lecturers were all very knowledgeable and, more importantly, they provided everyday life examples that we could relate to. I also appreciated the Academy's administration. They were extremely supportive and were always willing to listen to our suggestions and address any queries in an efficient and timely manner.



#### Industry-driven courses

Our lecturers also have hands-on experience in the respective fields that they teach. This enables them to provide students with real life examples that may be applied to the workplace.



#### Fits perfectly to one's life

All our courses are held on a part-time basis, with lessons taking place once or twice a week, depending on the course chosen. This ensures that there is flexibility to one's personal and professional life.



### Kevin Camilleri | Higher Diploma in Business Management

BB The lecturers speak our language. You will not be an outsider in class, you are not merely a number – you are their valued student. They understand us and have first-hand experience in our field. Thank you IDEA Academy for this opportunity!



### RoseMary Portelli | Higher Diploma in Business Management



Sometimes, uncomfortable things happen in life that serve to put us directly on the right path to the best thing that will ever happen to us. There I was one day, stuck in a traffic jam, when a huge billboard advertisement caught my attention.

My dream to further develop my knowledge through education in Business Management was right there in front of me. A billboard and a phone call later, plus ample doses of commitment and willingness, and my journey started there.

The lecturers are very qualified, passionate and respectful, full of advice and keen to teach. The course material is very comprehensive and informative. I can testify that IDEA Academy sets out high standards, helping us students to develop our overall character, as well as our academic achievements.



#### Payment plans and funding schemes

We offer the possibility for our students to pay in instalments or to design their own payment plan, completely interest-free. There are also schemes where one can get at least 70% of the course fees back.



#### Blended learning

A mix of lecture-led classroom activities and online learning allows students the flexibility to customise their learning experiences.



### Miriam Mifsud | Higher Diploma in HR Management



After a long break from studying, I decided to leave my comfort zone and embark upon a new adventure. But I must say that as soon as the lectures started, I felt at home, and help was forthcoming both from the students – whom I now call my friends – as well as from my lecturers. I am proud to have made the right decision for both my personal goals and for my career.

This course served as a growth plan to new projects and to whatever the future has in store for me. Life is all about growing, and this course led me to new opportunities and to continue growing and learning new skills that I can employ in both my personal life and at the workplace.



## COURSE PROGRESSION MAP

The following progression map depicts your journey towards achieving the B.Sc. (Hons) in Geology. The map illustrates the interim exit points that lead up to the full bachelor's degree (180 ECTS).

### MODULES 1-6

EQF 5  
60 ECTS

Diploma in Geology  
Duration: 12 months

### MODULES 1-11

EQF 5  
60 ECTS

Higher Diploma in Geology  
Duration: 24 months

### ALL 16 MODULES AND DISSERTATION

EQF 6  
180 ECTS

Bachelor of Science (Honours) in Geology  
Duration: 42 months

## COST

Reading for the entire Bachelor of Science (Honours) in Geology as presented in this brochure costs €9,000.\*

The cost for the different exit points is as follows:

- Diploma in Geology: €4,000
- Higher Diploma in Geology: €6,000

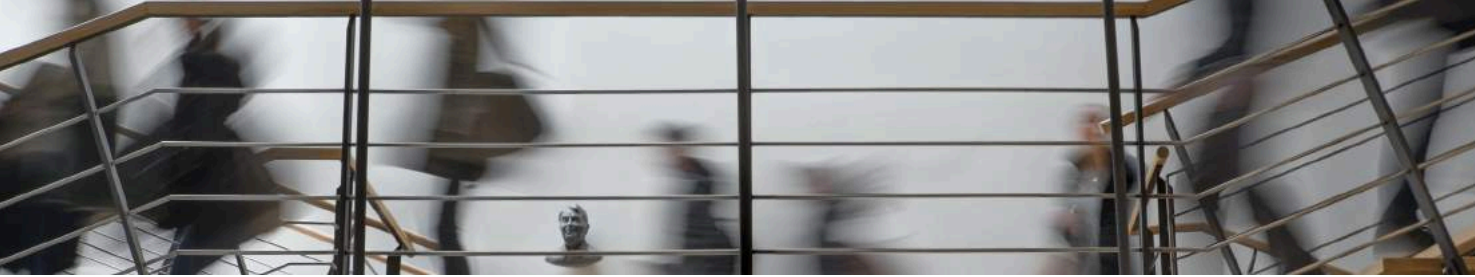
Upon successful completion of each exit point, students will be eligible for a 70% refund of the cost through the 'Get Qualified' scheme.\*\*

Due to the modular structure of the course, you may also opt to take individual modules as standalone. The entry requirements still apply.\*\*\*

\* Prices are applicable to students who reside in Malta at the time of applying.

\*\* Terms and Conditions apply.

\*\*\* For the price of individual modules, please contact the IDEA Academy team.



## PROGRAMME OUTLINE

| MODULE/UNIT TITLE                     | COMPULSORY OR ELECTIVE | ECTS           |
|---------------------------------------|------------------------|----------------|
| 1. Earth Systems                      | Compulsory             | 12 ECTS        |
| 2. Earth Materials I                  | Compulsory             | 18 ECTS        |
| 3. Earth Georesources                 | Compulsory             | 12 ECTS        |
| 4. Field and Laboratory Skills        | Compulsory             | 6 ECTS         |
| 5. Deformation Processes              | Compulsory             | 6 ECTS         |
| 6. Surface Processes                  | Compulsory             | 6 ECTS         |
| 7. Remote data acquisition in Geology | Compulsory             | 12 ECTS        |
| 8. Dynamic Earth and planets          | Compulsory             | 12 ECTS        |
| 9. Basin Analysis                     | Compulsory             | 12 ECTS        |
| 10. Earth Materials II                | Compulsory             | 18 ECTS        |
| 11. Hydrogeology                      | Compulsory             | 6 ECTS         |
| 12. Introduction to Research Methods  | Compulsory             | 2 ECTS         |
| 13. Engineering Geology               | Compulsory             | 12 ECTS        |
| 14. Geobiology                        | Compulsory             | 6 ECTS         |
| 15. Carbonate Sedimentology           | Compulsory             | 6 ECTS         |
| 16. Geology and Planning              | Elective               | 16 ECTS        |
| 17. Georesources                      | Elective               | 16 ECTS        |
| 18. Dissertation                      | Compulsory             | <b>18 ECTS</b> |

You are required to complete all 15 compulsory modules (146 ECTS), and only 1 elective module (16 ECTS) out of the proposed 2, as well as the dissertation (18 ECTS) to fulfil the requirements of this bachelor's degree.

**Total credits: 180 ECTS**



# Change your life without disrupting your career.

Student-centric, industry-driven study programmes that equip you with the tools to help you stand out at your workplace.



[mt.ideaeducation.com](https://www.mt.ideaeducation.com)

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IDEA Group  
Level 2, The Business Centre,  
1, Triq Nikol Muscat, Mosta  
MST 1870  
Malta

+356 2145 6310  
[info@ideaeducation.com](mailto:info@ideaeducation.com)