

PhD (Third Cycle) Programme in Geological Engineering

General Information

Nigde University Department of Geological Engineering started its formal education in 1992-1993 academic year and its evening education in 1995-1996 academic year. 2 Professors , 2 Associate Professors , 9 Assistant Professors and 4 Research Associates are currently employed.

A number of projects supported by TÜBİTAK, KOSGEB, etc, are carried out by the research groups in the department. Undergraduate and postgraduate students take charges in these projects.

Thanks to the bilateral agreements with EU countries and other countries, some of our graduate students continue their education abroad within the framework of Erasmus Program.

The department consists of 4 Divisions: General Geology, Applied Geology, Mineralogy-Petrography and Ore Deposits-Geochemistry.

In the beginning of 2005-2006 academic year Nigde University Department of Geological Engineering moved to its full equipped modern building and trains Geological Engineers equipped with craft knowledge.

Aims and Objectives

Aims:

- To educate geology engineers who deal with any phenomenon that occurs both in the earth and on the earth, who can present the data, techniques and principles of the science of Geology to any use of engineering, who can prepare 4-dimensional (x-y-z-t) geological model of project site, who can define the materials forming earth crust with his/her training, practical knowledge and skills, who can predetermine problems and develop engineering solutions for them,
- To educate geology engineers who are qualified with enough knowledge and skills to bear responsibility and authority in his/her subject and who won't do anything against professional ethics and our mission is to carry out basic and practical scientific researches with an innovative approach and to provide all our knowledge for the use of all the sectors (mining, industry, medicine, defense, energy, building and so on...) related to the subject and for the use of society.

Objectives:

- To give our students education with an understanding of continuous development and to educate students who carry out scientific researches, who use their knowledge for the benefit of the society and to educate students in order that they can be qualified with professional knowledge to the extent that they will be the most wanted graduates in the business world and in the scientific world.

Qualification Awarded

Upon successful completion of this program, students are awarded with the qualification of DOCTORATE DEGREE IN GEOLOGICAL ENGINEERING.

Level of Qualification

Doctorate Program meets the requirements both for ECTS credits and level descriptors of the "Third Cycle" degree qualifications of the **Overarching Framework of European Qualifications**

Framework HE (QF-EHEA) and the "8th Level" qualifications of the Turkish Qualifications Framework for HE (TYYÇ, NQF-HETR), as well as the "8th Level" requirements of the qualifications of the European Qualifications Framework for Lifelong Learning (EQF-LLL) in terms of the level descriptors.

Specific Admission Requirements

Admission requirements are determined in line with the regulations set by Higher Education Council of Turkey. Information on application for PhD programs and access requirements are announced on the web page of the university at the beginning of each academic year. The following requirements are applied for both national and foreign students:

- To have a First Cycle (BSc) degree in geological engineering
- To have ALES (Entrance Exam for Academic Personnel and Postgraduate Education) with minimum score of 55 (or equivalent)
- To have a foreign language proficiency from national exams such as YDS (Foreign Language Proficiency Test), UDS (The Interuniversity Foreign Language Examination) or KPDS (The Foreign Language Examination for Civil Servants) or from international exams such as IELTS (International English Language Testing System) or TOEFL (Test of English as a Foreign Language) accepted by Interuniversity Board. Students who do not have a foreign language proficiency might apply yet their foreign language score is evaluated as 0.
- The candidates with a Bachelor's Degree from abroad must have the certificate of equivalence from the Council of Higher Education (YOK).
- ALES score is valid for 3 years.
- The candidates must apply in person. The applications with incomplete documents will not be evaluated.

For further and detailed information please visit [General Admission Requirements](#) and [Registration Procedures](#) in the menu items of the Information on the Institution.

For further information on the admission requirement for foreign students, please contact to Nigde University International Office.

Contact:

International Office
Niğde Üniversitesi, Kampüs, Bor Yolu, Niğde, TÜRKİYE

Phone: 0 388 225 21 48

Fax: 0 388 225 23 85

E-mail: erasmus@nigde.edu.tr

Web: <http://www.nigde.edu.tr/uluslararasi/index.php?In=en>

Specific Arrangements for Recognition of Prior Learning

With an understanding of lifelong learning, Nigde University recognizes the previously taken courses in another institution and exempts them from graduation credit, as long as the courses match with the learning outcomes of the registered PhD (Third Cycle) programme in Geological Engineering at Nigde University.

Profile of the Programme

PhD program in GEOLOGICAL ENGINEERING educate geology engineers who deal with any phenomenon that occurs both in the earth and on the earth, who can present the data, techniques and principles of the science of Geology to any use of engineering, who can prepare 4-dimensional (x-y-z-t) geological model of project site, who can define the materials forming earth crust with his/her training, practical knowledge and skills, who can predetermine

problems and develop engineering solutions for them, who are qualified with enough knowledge and skills to bear responsibility and authority in his/her subject and who won't do anything against professional ethics and our mission is to carry out basic and practical scientific researches with an innovative approach and to provide all our knowledge for the use of all the sectors (mining, industry, medicine, defense, energy, building and so on...) related to the subject and for the use of society.

PhD program in Geological Engineering ("Third Cycle" in QF-EHEA and "8th Level" in TYYÇ) is an academically-oriented program giving access to research programs and professional practice demanding advanced levels of knowledge, skills and competencies. The program can be classified in regards to ISCED (The International Standard Classification of Education) 2011 and NQF-HETR (The Turkish Qualifications Framework for HE) profiles and fields of education as follows,

- ISCED Field of Education: 52 - Engineering And Engineering Trades
- ISCED 2011 Level: 8, Orientation (Profile): 74, Subcategory: 747, Academically-oriented "Third Cycle" degree
- NQF-HETR Field of Education: 52 - Engineering And Engineering Trades
- NQF-HETR Profile of Education: Academically-oriented "Third Cycle" degree

Learning and Teaching Methods

The most frequently used instructional methods of the educational programs of Nigde University are given below. Programmes commonly apply these methods as appropriate instructional approaches in accordance with their aims and objectives. The instructional methods applied for achieving the goal of meeting the expected learning outcomes of the PhD Degree programs in Geological Engineering program at large are indicated in the section of 'program learning outcomes', and those methods utilized for individual course units are indicated in the relevant section of "description of individual course unit".

Learning and Teaching Methods

- Lecture & In-Class Activities
- Land Surveying
- Group Work
- Laboratory
- Reading
- Assignment (Homework)
- Project Work
- Seminar
- Web Based Learning
- Implementation/Application/Practice
- Thesis Work
- Field Study
- Report Writing

Occupational profiles of graduates with examples

The employment opportunities for our graduates are extensive. They can take charges in project and planning stages of mining, environment and construction areas. The raw materials used in industry is mainly are supplied from earth and the geologist are in an important position for raw material supply. They can take charges in projects of construction of dam, bridge and tunnels. They may also develop an academic career in Turkey or abroad.

Qualification Requirements and Regulations

PhD program (third cycle) in Geological Engineering is awarded to students who have scored a Cumulative Grade Point Average (CGPA) of not less than 2.50 /4.00, defended his/her thesis successfully, and have completed all the courses (240 ECTS) with at least a letter grade of CB or S in the program.

For detailed information: Please see "[Nigde University's Rules & Regulations for Graduate Education](#)"

Access to Further Studies

Upon successful completion of PhD degree programme, students can pursue an academic career in related fields.

Examination Regulations, Assessment and Grading

The methods applied for assessment of the achievement of the expected program learning outcomes for the entire PhD program of GEOLOGICAL ENGINEERING are shown below and those for the individual course units are given in the relevant section of the course description with their contribution to the final grades.

- Mid-Term Exam
- Final Exam
- Make-up Exam
- Homework Assessment
- Presentation of Report
- Computer Based Presentation
- Presentation of Thesis
- Presentation of Document

Mid-term and final examinations are conducted in dates, places and times determined and announced by the University. The students' final semester grade is given by their instructors based on mid-term examination, homework evaluation, short-examinations, final examination and, if there is any other assessment results taking into account the students' compliance with attendance to the course activities.

The contribution of assessment grades of the in-term activities to the final grade is 40% and that of the final exam is 60% for all the course units.

Grading:

The success of a student for each assessment (in-term and final) defined for each course unit is evaluated by the instructor. Evaluations are made over a scale of 100 points and converted to the letter grades at the end of the semester.

A student is considered to be successful in a course if he/she gets one of the following grades: AA, BA, BB, CB or S (Successful). The student's academic standing is calculated in the form of a Grade Point Average (GPA) out of a scale of 4.00 and announced at the end of each semester. The total grade point of a course is obtained by multiplying the grade point by the course ECTS credit. The semester GPA is calculated by dividing the total amount of grade points of courses gained in that semester by the total amount of ECTS credits of courses taken in the semester. The yearlong courses are included in the spring semester GPA. Cumulative Grade Point Average (CGPA) is calculated by dividing the total amount of grade points of all the courses in the curriculum to be taken by the total amount of 240 ECTS credits. For each course taken, the student is given one of the following letter grades and grade points:

| Course Score | Course Grade | Grade Points |
|--------------|--------------|--------------|
| 90-100 | AA | 4.00 |
| 85-89 | BA | 3.50 |
| 80-84 | BB | 3.00 |
| 75-79 | CB | 2.50 |
| 70-74 | CC | 2.00 |
| 65-69 | DC | 1.50 |
| 60-64 | DD | 1.00 |
| 50-59 | FD | 0.50 |
| 0-49 | FF | 0.00 |

Classification of the qualification

A student who obtains a CGPA of 2.00-2.99 is considered as a Satisfactory Student, the one who obtains a CGPA of 3.00-3.49 is considered as a Honours Student, and the one who obtains a CGPA of 3.50-4.00 is considered as a High Honours Student.

Graduation Requirements

In order for a student to graduate from Doctorate Degree (Third Cycle) Programme in GEOLOGICAL ENGINEERING, he/she has

- Completed 240 ECTS credits with passing grades
- A cumulative grade point average (CGPA) of at least 2.50 out of 4.00.
- Prepared and defended a thesis successfully.

Mode of Study:

PhD Programme in Geological Engineering at Nigde University is a full time / face to face programme.

Contact (Programme Director or Equivalent):

| Position | Name Surname | Phone | E-Mail |
|------------------------------|-------------------------------------|---------------|-----------------------|
| Head of Department | Prof.Dr. Mehmet ŞENER | +903882252260 | msener@nigde.edu.tr |
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