

INTRODUCING THE NATURAL BUILDING STONES TECHNOLOGY PROGRAM

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Introducing Program

Natural Building Stones Technology Program provides hands-on training, prioritizing technological developments, for all operations of a wide variety of natural stones from the marble quarry to the final product stage, to be employed in the Marble Industry. It aims to train technical people who have the necessary knowledge, skills and competence that the sector urgently needs.

In our country, natural stone-marble management and production is the most common sector in the entire mining field. It meets half of the total mineral exports. In the field of marble production, although it has production facilities such as many marble quarries, factories, workshops, marble machines, consumables, there are enterprises such as architectural-design production of marble, ready sales areas, production of marble residues remaining from the main production. Young technicians who graduated from the Natural Building Stone Technology Department of our University have the opportunity to move themselves to better positions in these businesses that desperately need trained technicians.

On the other hand, Dokuz Eylül University Torbalı Vocational School Natural Building Stones Technology Department, with its wide infrastructure and various marble laboratories, in the light of universal values, by making use of science and technology, to solve the problems of natural stone in every field of the marble industry, to carry out different projects and Research&Developments activities. is one of the main goals of academic.

The Department of Natural Building Stones Technology, one of the first programs established in Turkey in 1992 within the body of Dokuz Eylül University Torbalı Vocational School, was established under the name of Marble Program and took its current name in 2009.

The Natural Building Stones Technology Program, which has the opportunity to receive approximately 40 students every year, is within the scope of formal education and is provided in 100% Turkish language. Education and training is done with course passing systems. Relative grade evaluation system is applied. Those who successfully complete all compulsory-elective courses and internships graduate.

During their education, students in the program can benefit from the facilities of natural stone rock laboratory, Marble, Rock Mechanics and Microscope laboratory, as well as the marble workshop and factory belonging to the school. On the other hand, students can benefit from the many marble quarries, factories and workshops close to the school campus in order to follow new technological developments.

Our School regularly participates in the Izmir Marble Fair, one of the world's largest International Natural Stone and Technologies Fairs, every year with the Natural Building Stones Technology Program. Our students can follow new product and machine technologies in the field of marble on site.

Mission

“Within the scope of increasing the economic, cultural and social wealth of humanity through education and scientific research, it is to raise competent individuals who can work in the natural stone-marble industry in national and international areas”

Vision

“Guiding the future in the field of entrepreneurship and innovation; To be an institution that follows the age with all its aspects and educates people within this framework, with the vision of an education and science center university. ”

Program Outcomes

1. Uses knowledge of mathematics, science and analytics.
2. Defines the basic properties of the rock material (raw material) used as Natural Stone.
- 3- Recognizes the relevant machinery and equipment used in the Natural Stone production process, can use energy, consumables and similar resources in an efficient way.
- 4- During the operation phase, it provides proper order in factories, workshops and quarries.
- 5- Knows the general standards and quality classes of Natural Stones.
- 6- Knows how to obtain optional finished and semi-finished products in Natural Stone production.
- 7- Makes the selection, design and fitting application of natural stone suitable for use.
- 8- Knows and applies the measures related to occupational safety, human health and environmental protection.
- 9- Uses information technologies and communication tools.
- 10- The candidate is prone to teamwork and is creative.

Infrastructure of the Program at the School



Marble Factory and Workshop Buildings



Marble Factory external winch and storage area



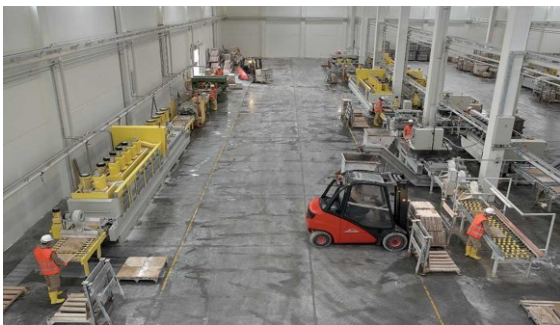
Marble Factory Building and Inner Stock Area



Marble Factory Strip Cutting / 4 Legs S/T Machine



Marble Factory 30cmXLength free -Strip Cutting / 4 Legs S/T Machine Application



Marble Factory Application Study



Marble Quarries application studies



Marble Workshop Application



Marble Workshop Automatic Side Cutting Application



International Natural Stone and Technologies Fair Participation Programs



Marble and Rock Laboratory



Marble and Rock Laboratory Application Study



1.Marble and Rock Mechanics Laboratory- Flexural Strength Tester /2. Losangelas Measuring Tool



1.Marble and Rock Mechanics Laboratory-Böhme Surface Wear Gauge/2.Point Loading-Oven



Marble and Natural Stone Microscope Laboratory

Employment Opportunities for Graduates of the Program

Today, the most important mining area of our country is the natural stone-marble sector. The sector, which can export an average of 2 billion dollars annually; It has production facilities such as numerous marble quarries, factories, workshops, marble machinery manufacturers, consumables. On the other hand, trained and graduated technicians have the opportunity to work in many fields such as the architect-design production of marble, stone sculptures, marble mosaic, ready sales areas-marble sales and marketing, businesses that produce marble residues left from the main production.

Department Instructors

Title, Name, Surname	E-mail	Telephone (Internal)	Areas of expertise
Dr.Ramazan HACIMUSTAFAOĞLU (Head of Program)	ramazan@deu.edu.tr	169	Natural Stone-Marble Exploration and Production Technologies / Marble Quarry Technologies / Marble Petrography and Chemistry / Natural Stone Types and Selection in Ancient Cities and Buildings / Quality Control in Marbles
Lecturer Elanur GÜNER	elanur.guner@deu.edu.tr	121	Ornamental Stones / Jewellery /Jewelry design / Gemology / Computer Aided Design / Crafts/ Natural Stone
Lecturer Tamer ERSOY	tamer.ersoy@deu.edu.tr	164	Basic art education / ceramic forming techniques / Painting and Sculpture