



HAZAL MENGI

Istanbul Kültür University, International Relations, BA'2015

The functionality of energy has increased dramatically in the 21st century, and energy has always been the most significant factor in the evolution of modern human history. Most disciplines in both natural sciences and social sciences are related to energy because of its close connection to technological progress and its impact on human life. As a young graduate of International Relations, I started my studies in the Energy and Sustainable Development Program due to my interest in examining energy policies of states and exploring energy's impact on human life. I believe that conducting academic studies on energy would be highly beneficial for the future of both Turkey and the World. There are not many energy-related Master's programs in Turkey, so I am very happy to be a part of this program at Kadir Has University.



MESUT CAN YILMAZ

Istanbul Aydın University, International Trade, BA'2015

I have always been interested in the environment, green energy and sustainability. I wanted to continue studying energy and sustainability after my BA in International Trade and my Erasmus experience in Sweden. The Energy and Sustainable Development Master's program at Kadir Has University offers you the chance to learn many things and contribute to these areas. The program is unique in its interdisciplinary curriculum and in its bringing together of various experts in their fields. I strongly believe that this program is going to contribute to my future life and career.



MEHMET BATUHAN ALKAN

Kadir Has University, Industrial Engineering, BSc'2013

Since graduation, I have been working in different sectors. Currently I am working for an Oil Trade and Transport Company. Having started working for this company, I realized I needed more information about the energy sector, which prompted me to look for master's programs. I found several programs, however, the Energy and Sustainable Development Program at Kadir Has University stood out as the most relevant master's program with its focus on the issues I deal with at work. I strongly believe that this master's program will contribute to the realization of my career goals and will change many things in my life in a positive way. I am so glad to be a part of this master's program and to study with the experts in this subject.



NEHİR GÜNDÜZ

Kadir Has University, Political Sciences, BA'2016

After I graduated from the Department of Political Science at Kadir Has University, I decided to specialize in a related field. As the existence of mankind continues, production will continue too. Thus, the necessity of efficient energy sources will incrementally increase year by year. Therefore, I have decided to specialize in the field of energy, which is the primary factor that drives world politics and economics. The Energy and Sustainable Development Master's Program at Kadir Has University brings together the most successful academics in the field of energy. The program offers a great opportunity to study in interdisciplinary fields such as geopolitics, economics and engineering. Kadir Has University enables its students to specialize in such a complex field of energy and sustainable development.



KELECHI ABRAHAM OMYEMAUCHE

Ananra State University, Mechanical Engineering, BSc'2015

I am so glad to be a student of this awesome department: Energy and Sustainable Development. It is a great place for those who want to gain knowledge on the importance of sustainable energy in the world. The greatest part of it is the positive attitudes of the director of the program, the academics and students. They are so friendly, ready to help and have helped me acquire the essential qualities I need for my career growth. From where I am coming, I think I have found another home here, because the love I am getting here is almost equal to the one at home, which makes it easier for me to quickly adapt. I am happy to be a student in such a department where I can work towards my career goals.



MELİKE EKEN

Bilkent University, International Relations, BA'2016

Analyzing energy issues from a single discipline's perspective is not sufficient in today's world. In both the sector and academic world, people have an interdisciplinary approach have started to replace others who were trained as experts in a single discipline. In this regard, Kadir Has University's Energy and Sustainable Development graduate program stands out by assisting its students to embrace an interdisciplinary approach. The program offers courses from a variety of disciplines, but in fact complement each other in the field of energy. The program is also one of the best programs about energy in Turkey due to its focus on understanding energy issues beyond their classical context, with a specific focus on concepts like sustainability. I realize more every day that applying for this leading master's program was one of the best choices I have ever made in my life.



KADIR HAS UNIVERSITY ENERGY AND SUSTAINABLE DEVELOPMENT MASTER'S PROGRAM



GRADUATE SCHOOL OF
SOCIAL SCIENCES

CENTER FOR ENERGY AND
SUSTAINABLE DEVELOPMENT

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Prof. Dr. Volkan Ş. Ediger Program Director



As a vital input of the economy, energy is one of the most strategic tools for the sustainable development of countries. The present world energy system, which is about 90 percent dependent on fossil fuels, is not sustainable due to resource scarcity, local environmental problems, and global climate change. Another factor increasing the importance of energy is that in today's world, where natural gas is used as a transition fuel on the path towards a low-carbon energy system, the geopolitical rivalry between major energy players continues to deepen. This rivalry accelerates the struggle for resources and causes global economic and political destabilization. These challenges are harder to tackle in developing countries than in the industrialized world. As one of the most important emerging markets, the Turkish energy system can be used as an example to similar developing countries. One of the most important features of Turkey's energy system is high energy demand due to rapid development, which attracts the attention of the world as a rising market. Turkey's energy supplied from its domestic sources is, however, not enough to meet its growing demand. To meet this demand, Turkey needs to import about three quarters of its energy and this dependence on foreign resources threatens its energy security as well as the national security of the country. In the 21st century, no economy can be sustainable under such energy dependence circumstances.

Even though a number of graduate programs on energy have been launched in various countries in recent years, these programs are far from meeting the needs of the sector due to their contextual and structural features. They generally focus on a certain aspect of energy, neglecting its interdisciplinary nature. It is expected that the Energy and Sustainable Development Thesis/Non-Thesis Master's Program, which was launched in the 2016-2017 academic year at Kadir Has University in Istanbul, will fill the gap in this area as the program brings together several disciplines in social sciences, physical sciences and engineering. It is also important to point out that the program works in coordination with the Centre for Energy and Sustainable Development, and thus maintains strong ties with interdisciplinary research and practice.

The Energy and Sustainable Development Master's Program enables international students to specialize in various areas of energy. Students are provided with a wide range of departmental and non-departmental elective courses in addition to the compulsory courses in four main areas: energy science and engineering, energy finance and economics, management and policies of sustainable development, and energy security and geopolitics. In addition to the theoretical knowledge provided by the courses, students are taught through real life practice in seminars given by experts in the field.

ADVISORY COMMITTEE

Dr. Selahattin Anaç, Former General Manager of Turkish Coal Enterprises
Değer Boden, Boden Law Office
Nusret Cömert, Damnus Energy and Investment, CEO
Haluk Direskeneli, Freelance Advisor, Germany
Dr. Saltuk Düzyol, General Director of TANAP
Prof. Dr. İskender Gökalp, Director of CNRS-ICARE, France
Mete Göknel, Energy Analyst
Dr. Rıza Kadılar, Representative of Turkey at Natixis
Prof. Dr. Baha Karan, Hacettepe Uni., Faculty of Economics and Administrative Sciences
Dr. Sohbet Karbuz, OME, Oil and Gas Director, France
Mehmet Öğütçü, The Bosphorus Energy Club, UK
Dr. Uygur Özesmi, General Director of Change.org
Necdet Pamir, Bilkent University
Prof. Dr. Osman Sevaioğlu, Electrical -Electronics Engineering Department of METU

ACADEMIC STAFF



Prof. Dr. Mitat Çelikpala, Department of International Relations
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Assoc. Prof. Dr. Cem Özen, Department of Bioinformatics and Genetics
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Asst. Prof. Dr. Gökhan Kırkil, Department of Industrial Engineering
Asst. Prof. Dr. Hamid Akın Ünver, Department of International Relations
Asst. Prof. Dr. Uygur Özesmi, Good4Trust, Part-time Instructor
Değer Boden, Boden Law Office, Part-time Instructor
Levent Umut Fevzioğlu, Türkiye İş Bankası, Part-time Instructor

CURRICULUM

The Energy and Sustainable Development Master's Program, which was designed by taking the interdisciplinary nature of energy field into consideration, enables students to specialize in one of the four major tracks, including economy and markets, policy and geopolitics, sustainability and environment, and engineering and efficiency. The most important advantage of the program, which is open to students with bachelor degrees from different disciplines, is the opportunity provided to acquire expertise in energy and sustainable development, whose importance is continuously increasing. The program is designed to be conducted completely in English to increase the competitiveness of students in the careers they will pursue whether in Turkey or abroad. The program has thesis and non-thesis options to fulfil the varying needs of the students.

For the thesis track Master's degree in the Energy and Sustainable Development Program, students are required to complete 21 course credits, attend non-credit seminars and thesis courses and complete their Master's thesis in accordance with the procedures indicated in the university regulations and directives. 12 out of the 21 credits must be gained from compulsory courses and the other 9 credits from the elective courses.

On the other hand, for the non-thesis track Master's degree, students are required to complete 30 credits, and successfully complete their graduation project. 12 out of the 30 credits must be gained from compulsory courses and 18 credits from the elective courses.

Compulsory Courses

ESD 510 Energy Science and Engineering
ESD 520 Energy Markets and Economy
ESD 530 Sustainable Energy Policies and Management
ESD 540 Energy Security and Geopolitics
ESD 590 Seminar
ESD 598 Graduation Project
ESD 599 Thesis

Departmental Elective Courses

ESD 511 Advanced Renewable Energy Technologies
ESD 512 Energy Modelling, Simulation, and Optimization
ESD 513 Computational Tools in Energy Science and Engineering
ESD 514 Advanced Wind Energy
ESD 521 Energy Project Development and Financing
ESD 522 Energy Exchange Markets
ESD 523 Turkish Energy System
ESD 524 Energy Project Management and Law
ESD 525 Econometric Modelling for Energy Policy Evaluation
ESD 531 Energy Efficiency Management
ESD 532 Sustainable Energy and Society
ESD 533 Carbon Economy and Markets
ESD 541 Energy Security of Turkey
ESD 542 Energy Transportation and Logistics
ESD 543 Oil and Gas Pipelines
ESD 544 International Energy Policies
ESD 550 Special Energy Topics

Non-Departmental Elective Courses

IE 502 Engineering Project Management
IE 503 Engineering Optimization and Applications
IE 506 Financial Management
MIS 513 Project Management
IR 545 Energy Politics
IR 546 Eurasian Security and Geopolitics
IR 548 Middle Eastern Politics
IR 645 Energy Politics
IR 646 Geopolitics of Eurasia
EC 522 Political Economy of Development
EC 526 International Economy
EC 540 Public Finance
EC 625 Economy of Growth

SCHOLARSHIP AND TUITION FEES

KHAS has an extensive scholarship program to support well-qualified international students in their studies at KHAS. The scholarships offered for graduate studies may cover 25%, 50% and 100% of the tuition fee. Tuition waiver scholarships are available for all qualified applicants. The details are explained on the following website:

<http://international.khas.edu.tr/27/tuition-fees>

APPLICATION REQUIREMENTS

The criteria and requirements to be met to apply for graduate programs at Kadir Has University are stated comprehensively on the following website:
<http://international.khas.edu.tr/28/application-requirements>