This master program is an outstanding opportunity to become part of an international, enthusiastic and motivated group of people, sharing the same interests for such a challenging topic. The experiences of this course enable us to contribute to the common goal of securing the supply of green energy at affordable prices in order to maintain our standards of living and reducing dependence on fossil fuels at the same time.

Mag. Anna Katharina Gollob, MSc
Alumna

Renewables make sense....
Energize your future!

Study in the most liveable city of the world: Vienna
(Source: 2019 Quality of Living Ranking, Mercer)

Renewable Energy Systems
TU Wien I Energiepark Bruck/Leitha
TU Wien
Continuing Education Center
Operngasse 11/017
A-1040 Wien
T +43/(0)1/58801-41701
F +43/(0)1/58801-41799
E office@cec.tuwien.ac.at
http://cec.tuwien.ac.at

Energiepark Bruck/Leitha
Sackenwander Straße 12
A-2460 Bruck/Leitha
T +43/(0)2162/68100
F +43/(0)2162/68100-29
E office@energiepark.at
www.energiepark.at

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Best University of Technology in Austria – TU Wien

Study in the most liveable city of the world: Vienna
(Source: 2019 Quality of Living Ranking, Mercer)
The global economic challenge for the next decades will be the question in balancing of energy resources. The dependability of supply and acceptable costs will be vital importance for all of us – in both established and developing countries. Never before has the demand for employees in this field been so high. You are required to contribute in-depth knowledge to our energy systems. The core objective of this post graduate Master’s program is to create experts who will be able to cope with this challenge.

Renewable energy and energy-efficiency improvements are the cornerstone in fostering toward sustainable energy systems. In recent years, electricity production from renewable energy sources has increased significantly in many countries worldwide. Currently, in the EU renewable have become the electricity generation. The need is to switch to fully renewable energy systems. The core objective of this post graduate Master’s program is to create experts who will be able to cope with this challenge.

The interdisciplinary part-time MSc Program is offered by TU Wien in cooperation with Energiepark Bruck/a/L. Tu Wien in cooperation with Energiepark Bruck/a/L.

1. Introduction to Renewable Energy

2. Energy and Electricity Markets: Solar Heating & Photovoltaics

3. Biomass, Biofuels & Biogas

4. Renewable Energy, Wind Power & Small Hydropower

5. Efficient Energy Use & Thermal Building Optimization

6. General Legal & Economic Frameworks

7. Integration of Renewable Energy Sources into the Energy System

8. Management & Soft Skills

9. Perspectives on the Use of Renewable Energy

10. Master’s Thesis

PROGRAM beneficiaries

With the MSc Program the participants acquire knowledge and competence for:

- the design of plants for the use of renewable energy sources from economic and legislative points of view,
- the operation of plants for the use of renewable energy sources,
- the future assessment of environmental, technical and economic developments of renewable energy systems.

TARGET GROUP

Individually within companies, organizations, and authorities who are engaged in planning, operating or evaluating renewable energy projects or who are involved in financing, promotion, legal licensing of facilities for the use of renewable energy or environmental issues.

FINANCIAL SUPPORT

Grants for students from EU member states and countries of the European Union, as well as for students from other countries.

ADMISSION REQUIREMENTS

Admission requirements are: completion of a subject-related study program in technical and natural sciences, engineering, or law at a recognized Austrian or foreign post-secondary institution of education and a minimum of 2 years of professional experience. Persons holding an equivalent educational and professional qualification may also be admitted.

ACREDITATION

Accredited by ASinE (Acreditation Agency for Study Programs in Engineering, Informatics, Natural Sciences and Mathematics)

LANGUAGE OF INSTRUCTION

English

DURATION

The full-time program is presented in modules and takes four semesters.

COUNTRY MODULES

To provide the participants with in-depth knowledge on energy markets in Europe, tailor-made country modules are offered as part of the MSc. Program. Within the scope of the specially designed modules, students will work with government agencies, energy companies, organizations, and authorities to gain practical experience in the field of renewable energy sources.

FACILITY

Internationally recognized scientists and professional experts are members of this top-class faculty. Based on their sound interdisciplinary knowledge and experience on their extensive practical experience in the field of renewable energy sources. As a result, the faculty is diverse and extremely dynamic preparing our graduates to face future challenges.

I had the pleasure to participate in this unique program in its first matriculation year 2005. From the very beginning this program was highly valuable while also improving permanently due to maturity, most recently focused by the ASinE accreditation.

Dr. Franz Faschler
President of European Council, Galicia
Honorary President of European Forum Europe and Ecological Forum Europe (EFEE) \(\text{EFEE}\) Commission
The global economic challenge for the next decades will be the question in availability of energy resources. The dependency of supply and acceptable costs will be vital importance for all of us – in both developed and developing countries.

Never before has the demand for employees in this field been so high. You are required to contribute in-depth experience in the field of renewable energy and efficient energy use.

The interdisciplinary part-time MSc Program is offered by TU Wien in cooperation with Energiepark Bruck/Leitha.

**TU Wien Technology for People - Developing Scientific Excellence and Enhancing Comprehensive Competence**

The TU Wien – located in the heart of Vienna and Vienna – is the largest Austrian institution in research and development, within the areas of technology and natural sciences. Even though the origins of TU Wien reach back more than 200 years, research, teaching, and learning are state-of-the-art.

**ENERGIESYSTEMIEN**

Think Globally, Act Locally – more than 20 years of experience in the field of renewable energy and regional development.

The association Energiesystemi (Eesi) was established in 1995 and acts as an innovation center for renewable energy, energy efficiency, climate protection and regional development. Since then a wide range of renewable energy projects have been realized. Based on Eesi's activities the region already reached energy autonomy in the field of power.

Further Partners:

Talimode country modules are offered to gain in-depth knowledge on energy markets in selected European countries. Contributions will be made by:

- AQA University of Science and Technology (Kashan),
- Czech Technical University (Prague),
- Qin University (Karin),
- Hamburg University of Technology (Hamburg),
- University of West Hungary (Szeged),
- AQA-Agency as project coordinator and organizing.(Eularopa, ESIAGA Bulgarian Wind Energy Association (Sofia), and Energiesystemi Hungary (Budapest))

The schedule will include lectures in these countries as well as excursions.

COUNTRY MODULES

These country modules currently these countries are offered

- Bulgaria, Croatia, Czech Republic, Germany, Hungary, Poland, Romania, Slovakia, and Slovenia.

The schedule will include lectures in these countries as well as excursions.

FACULTY

Internationally recognized scientists and professional experts are members of this top-class faculty, based on their sound experience, practical knowledge and wide-ranging in-depth practical knowledge in the field of renewable energy sources.

...the future assessment of environmental, technical and economic developments of renewable-energy systems.

**TARGET GROUP**

Individuals within companies, organizations, and authorities who are engaged in planning, operating or evaluation of renewable-energy projects or who are included in financing, promotion, legal licensing of the use of renewable energy or environmental issues.

I had the pleasure to participate in this unique program in its first matriculation year 2005. From the very beginning this program was highly valuable while also improving permanently due to the ever increasing dynamics and extremely dynamic, preparing our graduates to face future challenges.

Dr. Franz Fischler
President of European Union, Dachshund…

Dr. Günter Münz, MSc
Professor of Environmental Science...
The global economic challenge for the next decades will be the question of availability of energy resources. The worldwide demand for energy is increasing. Even conventional energy resources face the challenge of having to competently assess such sources. New technologies are required for power generation, which lead to increased energy efficiency, climate protection, and regional development. The TU Wien – located in the heart of Europe and Vienna - is the largest Austrian institution in research and education, within the areas of technology and natural sciences. Even though the beginnings of TU Wien are only about 200 years research, teaching, and learning are state-of-the-art.

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The MSc Program is aimed at professionals or who are engaged in planning, operating or evaluation of renewable energy projects or who are involved in financing, development, engineering, and education. The schedule will include lectures in these countries as well as excursions. The part-time program is presented in modules and takes four semesters.

Target group
Individuals within companies, organizations, and authorities who are engaged in planning, operating or evaluation of renewable energy projects or who are involved in financing, development, engineering and education.

Target group
- Persons holding an equivalent institution of education and a minimum of 2 years of professional experience. Applicants must have international experience in the field of renewable energy or environmental issues.
- Applicants who are members of this top-class faculty, based on their sound professional experience.
- Internationally recognized scientists and professional experts in the field of renewable energy or environmental issues who have international experience.
- Experts in the field of renewable energy or environmental issues who have international experience.
- Visitors who have international experience in the field of renewable energy or environmental issues.

Admission requirements
Experience in the field of renewable energy and efficient use thereof. Economic aspects of renewable energy, and should strive to defend this position. In this quest, the MSc Program prepares our graduates to face future challenges.

accomplish the program successfully. The schedule will include lectures in these countries as well as excursions. The part-time program is presented in modules and takes four semesters.

The TÜV Süd logo is visible on the page. TÜV Süd is a company that provides certification services, including for the renewable energy sector.

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(Source: 2019 Quality of Living Ranking, Mercer)

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30% economical
4% legal
65% international students
282 students & alumni
35 years average age
49 nationalities

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65% international students
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Postgraduate MSc Program
Master of Science (MSc)
4 semesters, part-time

Source: 2019 Quality of Living Ranking, Mercer

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Energiepark Bruck/Leitha
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A-2460 Bruck/Leitha
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