Environmental Technology & International Affairs
TU Wien | Diplomatic Academy of Vienna

Postgraduate MSc Program
Master of Science (MSc)
2 academic years, full-time
High-flying careers for a better environment

ENVIRONMENTAL TECHNOLOGY & INTERNATIONAL AFFAIRS

Over the last few years environmental challenges have taken on a new urgency on a local, regional and global level. In particular, issues regarding the protection and sustainable use of environmental resources have become an existential concern. This puts increasing demands on decision-makers, who require a broad knowledge and understanding of the political, legal, economic and technical issues involved. Everybody concerned, whether as representatives of ministries, international organizations, NGOs or the private sector, has to deal with an ever increasing range of environment related questions.

The ETIA postgraduate MSc Program enables graduates to understand and analyze the relevant scientific and technical issues at the same time as providing them with a sound knowledge of international affairs in order to deal with both current and future challenges concerning the environment and sustainable development.

This interdisciplinary MSc is a joint Program of TU Wien and the Diplomatic Academy of Vienna. It is a pioneering project in its combination of international issues and environmental technology.

TU Wien

Technology for People – Developing Scientific Excellence and Enhancing Comprehensive Competence

TU Wien is the largest Austrian institution in research and education within the areas of technology and natural sciences. The beginnings of TU Wien reach back as far as 190 years.

Today the University finds high international and domestic recognition in teaching as well as in research and is a highly esteemed partner of innovation oriented enterprises. For years TU Wien has been successfully offering outstanding postgraduate programs. This success is based on the top scientific and economic qualifications of its faculty.

DIPLOMATIC ACADEMY OF VIENNA

Vienna School of International Studies
École des Hautes Études Internationales de Vienne

The Diplomatic Academy of Vienna is a postgraduate school of European and international studies preparing university graduates for a career in the diplomatic service, international organizations or international business. Its interdisciplinary study programs aim at providing the academic expertise, personal skills and intercultural competence required for careers in the international field.

Situated in a former Imperial Palace in the center of Vienna, the DA campus is characterized by its international student body with representatives from as many as 40 different nations. This very diversity ensures that “internationalism” and “intercultural communication” are practiced on a daily basis.

“The future development of the globalized earth, which currently comprises 6.7 billion people, 1000 nations and 200 countries, must be based on a proper equilibrium between economic growth, social cohesion and quality of the environment. Environmental technology is the key to solve the huge challenges facing us all. This MSc Program examines the most pertinent issues and is therefore very attractive to anybody actively engaged in international affairs, be it in the civil service, industry or trade.”

Prof. DDr. h.c. Manfred Grasserbauer
Director of the Institute for Environment & Sustainability
Directorate General Joint Research Centre, European Commission
The two-year MSc Program embraces a wide range of topics and is divided into two distinct segments. The focus of the technical and scientific segment is on the quality management of air and water, the management of resources and energy, as well as climate change. After a general introduction to international relations, the international studies segment deals with the major political, economic and legal issues concerning the environment and sustainable development.

Academic Year – Diplomatic Academy of Vienna

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<tr>
<th>MODULE A</th>
<th>Political Science and International Relations</th>
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<td>Methodology and Theory of International Relations; European Security: Concepts, Challenges, Institutions*; American Foreign Policy*; Conflict Resolution in World Politics*; Writing International Theory*; The European Union’s Management of International Crises*; Globalisation and the Social and Economic Crisis of our Planet*; Ethnic Conflict*; Russian Domestic Politics and External Relations*; Terrorism and Insurgency Policy*; Seminar on Security Politics and Strategy in Cyber Space*</td>
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<th>MODULE B</th>
<th>International and European Law</th>
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<th>MODULE C</th>
<th>International Economics</th>
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<td>Principles of Microeconomics; Principles of International Economics; Development Economics; Environmental and Resource Economics; Macroeconomics; International Trade &amp; Development*; International Monetary Economics*</td>
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<th>MODULE D</th>
<th>Contemporary History</th>
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<td>International History (1789-1945); Evolution of the International System: a GeoStrategic Approach; Europe as Cultural Space*; Problems in Modern European History and Historiography*; Re-Thinking Post-War Europe*; Perspectives in World History I and II*; Les relations internationales, culturelles et diplomatiques*; Entre coopération et intégration: Histoire de la construction européenne de 1945 à nos jour*; The Western Balkans in History*</td>
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Optional Courses

(*elective courses in Modules A-D)

Academic Year – TU Wien

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<tr>
<th>MODULE A</th>
<th>General Topics and Seminars</th>
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<td>Basics of Environmental Mathematics, Physics and Chemistry; Environmental Science &amp; Technology seminars (Students presentations and Guest Lectures) and excursions</td>
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<th>MODULE B</th>
<th>Surveillance and Sustainable Development</th>
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<td>Introduction to Ecology and Sustainable Development on the Local, Regional, Continental and Global Scale; Nuclear energy and safety; Climate Change and Climate Control; Environmental Impact Assessment; Environmental Conventions; Environmental Meteorology; Global Environmental Monitoring – Remote Sensing</td>
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<th>MODULE C</th>
<th>Air, Water and Waste</th>
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<td>Air Quality and Monitoring at Polluted and Clean Sites; Remote Monitoring Networks; Urban versus Background: Primary and Secondary Pollutants, the Atmospheric Aerosol; Air Pollution Reduction Plans; Basics of Water Cycle and Quality Assessment: Water Supply, Waste Water Treatment, River Basin Management; Resources and Waste Management: Urban Metabolism and Waste Management, Resource Management and Evaluation Methods, Landfilling and „Final Sinks”</td>
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<th>MODULE D</th>
<th>Environment and Technology</th>
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<td>Technology of Pollution Control: Control of Air and Water Pollution by Prevention (Clean Technology) and Pollution Reduction Processes, Adapted Solutions; Traffic and the Environment, Automotive Emissions and Control; Energy and the Environment, Impact of Energy Production on Pollutants and Greenhouse Gas Emissions, Comparing Energy Production and Use Impacts; Renewable Energies; Environmental Project Management</td>
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Master Thesis

The MSc Program is concluded with a master’s thesis.

Subject to modification
PROGRAM OBJECTIVES
The combination of studying environmental issues both from the technical and the international relations points of view prepares graduates for high-flying careers as managers and engineers, as well as for political and diplomatic tasks in the fields of the environment and sustainable development. Graduates of this course are able to assess and analyze problems from a legal, economic, scientific and technical standpoint and take active part in implementing and managing new standards.

TARGET GROUP
This MSc Program is designed for postgraduates of all disciplines, who are interested in broadening their knowledge in international affairs and the scientific and technical issues relating to the environment.

ADMISSION REQUIREMENTS
Admission requirements are a Baccalaureate degree, a Magister degree or an internationally recognized first degree in any field of study.

An excellent command of English is a prerequisite for admission. Non-native speakers need to furnish evidence of their language skills. The following certificates are recognized:
- First degree in English
- CPE
- IELTS (minimum 7.0) or
- TOEFL (minimum 627 points (written), or 263 points (computer based) or 106 points (Internet based)).

FINAL DEGREE
The MSc Program is concluded with a master’s thesis.

The final degree „Master of Science in Environmental Technology and International Affairs“ (MSc) is granted by TU Wien in cooperation with the Diplomatic Academy of Vienna.

LANGUAGE OF INSTRUCTION
The MSc Program is taught in English. Optional courses may be in French or in German.

FACULTY
The members of the ETIA faculty are internationally renowned experts distinguished both for their profound interdisciplinary scientific knowledge and their extensive practical experience in the fields of environmental technology and international affairs.

"Today environmental issues range from the local to the global scale. International action is required to maintain a sustainable life on our earth."

Prof. Dr. Hans Puxbaum
Academic Director
TU Wien

Prof. Dr. Gerhard Loibl LL.B.
Academic Director
Diplomatic Academy of Vienna

“The international community has set itself the ambitious goal of achieving sustainable development. Decision-makers therefore have to have a profound understanding of the legal, economic and technical issues.”
High-flying careers for a better environment

“Both in my functions as Austrian Minister of Agriculture and as Member of the European Commission I put high priority on environmental protection and the sustainable use of natural resources. I commend the TU Wien and the DA Vienna on their efforts to train experts committed to those goals and qualified to make a contribution to the overall goal of sustainable development.”

Dr. Franz Fischler
President Ecosocial Forum Europe and Ecosocial Forum Austria
Former EU Commissioner
MSc Program
Environmental Technology & International Affairs
TU Wien | Diplomatic Academy of Vienna
Class 2017–2019

FACULTY
Dr. Markus Amann International Institute for Applied Systems Analysis (IIASA), Austria
Prof. Dr. Corneliu Bjola University of Oxford
Prof. Coit D. Blacker Stanford University
Em. Prof. Dr. Günther Brauner TU Wien
Dr. Kaluba Chitumbo International Atomic Energy Agency (IAEA), Austria
Em. Prof. Dr. Gerhard Clemenz University of Vienna
Dr. Johann Feichter ETH Zürich, Max Planck Institute Hamburg
Prof. Dr. Johann Fellner TU Wien
Em. Prof. Dr. Christian Franck Université Catholique de Louvain
Prof. Dr. Thomas Gehrig ETH Zürich, Max Planck Institute Hamburg
Amb. Dr. Irene Giner-Reichl Austrian Federal Ministry of European and International Affairs
Dr. Walter Gehr Austrian Federal Ministry of European and International Affairs
Em. Prof. DDr.h.c. Manfred Grassauer TU Wien
Em. Prof. Dr. A.J.R. Groom University of Kent in Canterbury
Prof. Dr. Richard Harknett University of Cincinnati
Prof. Dr. Hubert Isak University of Graz
Dr. Larry D. Johnson Columbia Law School
Em. Prof. Dr. Wolfram Karl University of Salzburg
Prof. Dr. Stuart Kaufman University of Delaware
Prof. Dr. Anneliese Kasper-Giebl TU Wien
Prof. Dr. Markus Kornprobst Diplomatic Academy of Vienna
Prof. Dr. Norbert Kreuzinger TU Wien
Em. Prof. DDr.h.c. Helmut Kroiss TU Wien
Dr. Andrew Lawrence Diplomatic Academy of Vienna
Prof. Dr. Gerhard Loibl Diplomatic Academy of Vienna
Prof. Dr. Gerhard Mangott University of Innsbruck
Dr. Thomas Mayr-Harting European External Action Service
Dr. Ian McCallum International Institute for Applied Systems Analysis (IIASA), Austria
Prof. Dr. Werner Neudeck Diplomatic Academy of Vienna
Em. Prof. Dr. Hanspeter Neuhold University of Vienna
Di Dr. Mario Ortner I.C. projects – Project Development and Trading Vienna
Prof. T.V. Paul Mc Gill University
Prof. Anton Pelinka Central European University, Budapest
Em. Prof. Dr. Charles Pearson The Johns Hopkins University, Paul H. Nitze School of Advanced International Studies, Washington
Prof. Dr. Michael Plummer The Johns Hopkins University, Paul H. Nitze School of Advanced International Studies, Bologna
Em. Prof. Dr. Hans Puxbaum TU Wien
Em. Prof. Dr. Arthur R. Rachwald United States Naval Academy
Dr. Klaus Rapp Verbund Umwelttechnik GmbH Austria
Prof. Dr. Helmut Rechberger TU Wien
Prof. Dr. Erwin Egon Rosenberg TU Wien
Prof. Dr. Stefania Rossi University of Cagliari
Prof. Dr. Thomas Row Diplomatic Academy of Vienna
Prof. Dr. James D. Savage University of Virginia
Dr. Hannes Schaffer Mecca Consulting Vienna
Prof. Dr. Gerhard Sorger University of Vienna
Em. Prof. Dr. Gernot Staudinger Graz University of Technology
Prof. Dr. Reinhold Steinacker University of Vienna
Prof. Dr. Peter Sturm Graz University of Technology
Em. Prof. DDr.h.c. Paul Wagner University of Vienna
Prof. Dr. Friedl Weiss University of Vienna
Prof. Dr. Matthias Zessner-Spitzenberg TU Wien
Em. Prof. Dr. Peter Zweifel University of Zürich
This represents only a selection of the faculty.

High-flying careers for a better environment
PROGRAM START
September 25, 2017

LOCATIONS
The MSc Program takes place on the centrally located campuses of the TU Wien and the Diplomatic Academy of Vienna.

DURATION
The MSc is presented in modules and requires two academic years. One is at TU Wien and the other at the Diplomatic Academy of Vienna. In the first academic year of the program participants must attend the international studies segment at the Diplomatic Academy of Vienna.

TUITION FEE
The fee for this two-year full-time MSc Program is EUR 25,000; this covers tuition only.

ADMISSION
To be eligible for admission to the ETIA MSc Program candidates must prove all admission requirements and run the online application procedure before the application deadline. A decision on admission to this MSc Program will be taken by the Academic MSc Program Committee by April 2017. Candidates may also be required to be available for interviews.

APPLICATION
Application Deadline
March 15, 2017

Online Application Process
http://application.da-vienna.ac.at/master/Application.aspx

1. Register
2. Fill in the online application form and upload your CV.
3. The document size of your CV must not exceed 1 MB.
4. Post copies of the following to the DA Registrar’s Office: these documents (*double set* – except for the recommendation letters and photos) should reach the Registrar by 15 March 2017 at the latest:
   - CV
   - motivation letter
   - proof of competence in English (please check the requirements and the list of accepted certificates under the tag “admission”)
   - university/college diploma
   - transcript of grades
   - highschool diploma
   - copy of your passport
   - photo (passport sized)
   - two recommendation letters. These MUST be:
     - submitted by the referees to the candidate in a sealed envelope or
     - submitted by the referees directly to our registrar Ms Genny Chiarandon by postal mail.

   Please send the documents (*double set* – except for the recommendation letters) listed above to:
   Diplomatic Academy of Vienna
   Genny Chiarandon
   Favoritenstr. 15a
   1040 Vienna, Austria

   *The second set of these documents is needed to register candidates who have been admitted to the ETIA programme simultaneously as students of TU Wien.

Certified Translations
The working languages of the Diplomatic Academy are English, French and German. If your documents are not issued in one of these languages, please make sure you include certified translations with your application.

FURTHER INFORMATION/CONTACT

TU Wien
Continuing Education Center
Mag. Isabelle Starlinger
Operngasse 11/017
A-1040 Vienna, Austria

Phone  +43/(0)1/58801-41716
Fax    +43/(0)1/58801-41799
E-mail  office@etia.at
www.etia.at

Diplomatic Academy of Vienna
Vienna School of International Studies
Genny Chiarandon
Favoritenstrasse 15a
A-1040 Vienna, Austria

Phone  +43/(0)1/5057272-120
Fax    +43/(0)1/5042265-120
E-mail  office@etia.at
www.etia.at