



**For a better
tomorrow**

MSc Environmental Technology & International Affairs

TU Wien | Vienna School of International Studies

Postgraduate Program, Master of Science (MSc)
2 academic years, full-time

15
Years

**MSc
Environmental
Technology &
International
Affairs**



High-flying careers for a better environment.



Prof. Dr. Hans Puxbaum
Academic Director TU Wien

» 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. Gerhard Loibl LL.B.
Academic Director Vienna School of International Studies

» 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. «

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 cooperation program between TU Wien and the Vienna School of International Studies. 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 fields of technology and natural sciences. The beginnings of TU Wien reach back more than 200 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.

DIPLOMATISCHE AKADEMIE WIEN

Vienna School of International Studies Educating Global Leaders since 1754

The Vienna School of International Studies 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 international careers. A former imperial palace is the location for campus life at the Vienna School of International Studies: students coming from more than 50 different countries constitute a diverse student body, which ensures that "internationalism" and "intercultural communication" are a daily experience.

Curriculum

The two-year MSc Program embraces a wide range of topics and is divided into two distinct segments. After a general introduction to international relations, the international studies segment deals with the major political, economic, historical and legal issues concerning the environment and sustainable development. The focus of the technical and scientific segment is on the quality management of air, water and waste; the management of resources and energy, as well as climate change.

First Year – Vienna School of International Studies

MODULE A	Political Science and International Relations Introduction to Political Science • Introduction to International Relations • European Security: Concepts, Challenges, Institutions* • American Foreign Policy* • Conflict Resolution in World Politics* • Ethnic Conflict* • Post-Soviet Russia – Part I and II* • Seminar on Security Politics and Strategy in Cyber Space* • Seminar: America and the World since 1945* • Latin America – international and regional setting
MODULE B	International and European Law Principles of International Law • Institutional Law of the European Union • International Economic Law and Institutions • International Environmental Law and Institutions aiming at Sustainable Development • Seminar: Environmental Security • Human Rights System* • Legal Foundations of International Relations* • Selected Areas of Substantive EC-Law* • European Law: External Economic Relations and Foreign Policy in the EU* • Seminar on External Economic Relations and Foreign Policy in the European Union* • Seminar on Human Rights in South-East Europe* • IOs and multilateral Diplomacy • International Criminal Justice
MODULE C	International Economics Principles of Economics • Principles of International Economics • Development Economics • Environmental Economics • Energy Economics* • Digital Economics* • International Monetary Theory* • International Trade Theory*
MODULE D	Contemporary History International History (1789–1945) • Environmental History • 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* • Les relations internationales, culturelles et diplomatiques* • Entre coopération et intégration: Histoire de la construction européenne de 1945 à nos jours* • Disintegration of Multinational European States in the 20th Century • International History of the Middle East • Ukraine and its Neighbors in Historical Perspective
MODULE E	Optional Courses (*elective courses in Modules A–D)

Second Year – TU Wien

MODULE A	General Topics and Seminars Basics of Mathematics and Physics for Environmental Studies • Basics of Chemistry for Environmental Studies • Environmental Science & Technology Seminars (Students presentations and Guest Lectures) • Excursions
MODULE B	Surveillance and Sustainable Development Environment and Society in Long-Term Perspective • Climate Change and Climate Control • Environmental Impact Assessment • Environmental Conventions • Environmental Meteorology • Global Environmental Monitoring – Remote Sensing • Nuclear Energy and Safety
MODULE C	Air, Water and Waste Atmospheric Composition and Chemistry • Air Quality and Monitoring • Water Resources – Availability, Demand and Supply • Water Resources – Ecological Criteria and Management • Waste Water Technology and Management • Resources and Waste Management – Urban Metabolism and Waste Management, Resource Management and Evaluation Methods, Landfilling and “Final Sinks”
MODULE D	Environment and Technology Technology of Pollution Control • Energy and the Environment • Renewable Energies • Traffic and the Environment • Introduction to Environmental Project Management

Master's Thesis

MASTER'S THESIS	The MSc Program is concluded with a Master's Thesis.
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Program, Objectives and Goals

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. Professional Master programs like the MSc ETIA have a strong focus on a professional career development.

TARGET GROUPS

University graduates of all disciplines and nationalities who aim at a career in the field of international environmental management, in private businesses and organizations dealing with the current and future challenges of the environment and sustainable development.

ADMISSION REQUIREMENTS

An internationally recognized first degree in any field of study is required to be eligible for admission. 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 (i.e. major in English translation/ interpretation)
- 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 & International Affairs**" (MSc) is awarded by TU Wien.

LANGUAGE OF INSTRUCTION

The MSc Program is taught in English. Optional courses taught in French or in German are offered as well.

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.

A master's program that combines the two most important topics for future generations.



Prof. Dr. Norbert Kreuzinger
Institute for Water Quality, Resources and Waste Management, TU Wien

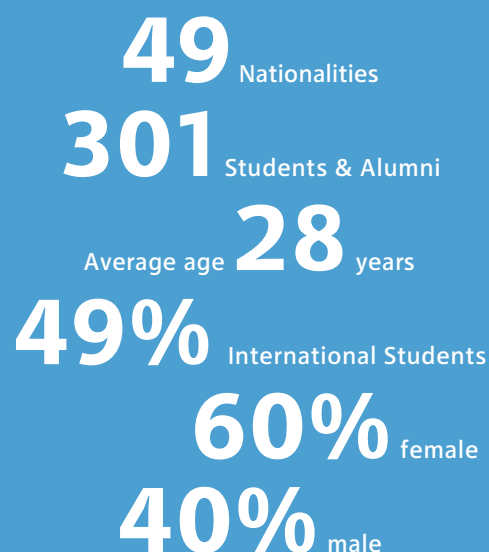
» Research into today's environmental challenges is continuously driving information and scientific knowledge forward – further and further in a direction where the understanding of action-reaction patterns or pressure-response systems is really complex. As a result, the gap between cutting edge science and society has increased tremendously. Few people are able to bridge that gap, particularly when the socio-economic, cultural and political implications of implementing sustainable and acceptable solutions are taken into account. I think that this MSc Program provides a unique opportunity to get an insight into both of these 'worlds'. It is not about creating the front end environmental scientist or diplomat. It is about building a bridge between science and society. «

Highlights

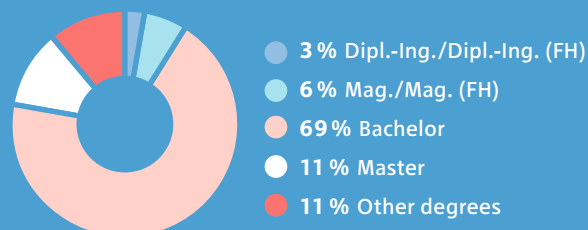
- Know-how and skills for sustainable global development
- Unique combination of international affairs, law, economics, technology and natural sciences
- Sustainable impact & career opportunities in politics and business
- Prestigious faculty members with research and business backgrounds
- Degree granted by two internationally renowned institutions
- International students with interdisciplinary backgrounds
- Study in Vienna – one of the most liveable cities in the world



Student's Profile



Academic degree



Lejda Toçi, BSc MSc (Crime Prevention and Criminal Justice Officer, United Nations Office on Drugs and Crime), Alumna Class 2014–2016

» I think the ETIA offers a very valuable expertise on what is the grey area between science and diplomacy, which is increasingly a challenge in today's world. Being able to understand today's environmental challenges such as the climate crisis, the rapid loss of biodiversity etc. at a scientific level and at the same time having the ability to put them in the very complex context of international relations, has provided me with a very valuable asset for my career in multilateral diplomacy. «

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Class 2022–2024

FACULTY

Dr. Zeinab Azarbadegan – Vienna School of International Studies
Prof.Dr. Wolfgang Benedek – University of Graz
Prof.Dr. Cornelius Bjola – University of Oxford
Dr. Maximilian Böck – Vienna School of International Studies
Em.Prof.Dr. Günther Brauner – TU Wien
Dr. Mauro Caselli – University of Trento
Dr. Kaluba Chitumbo – International Atomic Energy Agency (IAEA), Austria
Dr. Tatiana Coutto – Vienna School of International Studies
Dr. Barnaby Crowcroft – Vienna School of International Studies
Dr. Olha Danylo – International Institute for Applied Systems Analysis (IIASA), Austria
Prof.Dr. Martin Feldkircher – Vienna School of International Studies
Prof.Dr. Johann Fellner – TU Wien
Prof.Dr. Nikolaus Forgó – University of Vienna
Prof.Dr. Etyan Gilboa – Bar-Ilan University
Amb.Dr. Irene Giner-Reichl – Austrian Federal Ministry for European and International Affairs
Prof.Dr. Michael Harasek – TU Wien
Prof.Dr. Richard Harknett – University of Cincinnati
Prof.Dr. Hubert Isak – University of Graz
Dr. Larry D. Johnson – Columbia Law School, New York
Prof.Dr. Stuart Kaufman – University of Delaware
Prof.Dr. Anneliese Kasper-Giebl – TU Wien
Prof.Dr. Markus Kornprobst – Vienna School of International Studies
Prof.Dr. Norbert Kreuzinger – TU Wien
Dr. Tamas Krisztin – Research Fellow, International Institute for Applied Systems Analysis (IIASA)
Em.Prof.DDr.h.c. Helmut Kroiss – TU Wien
Prof.Dr. Christian Lequesne – Sciences PO – Institut d'Etudes Politiques de Paris
Dr. Jana Lipman – Fulbright Tulane University
Prof.Dr. Gerhard Loibl – Vienna School of International Studies
Prof.Dr. Gerhard Mangott – University of Innsbruck

Dr. Ian McCallum – International Institute for Applied Systems Analysis (IIASA), Austria
Prof.Dr. Monika Mayer – University of Natural Resources and Life Sciences (BOKU), Vienna
Prof.Dr. Franz Stefan Meissel – University of Vienna
Prof.Dr. Patrick Müller – Vienna School of International Studies / University of Vienna
Prof.Dr. Werner Neudeck – Vienna School of International Studies
Em.Prof.Dr. Hanspeter Neuhold – University of Vienna
DI Dr. Mario Ortner – Ortner Energy Group
Prof. T.V. Paul – McGill University, Montreal
Em.Prof.Dr. Anton Pelinka – University of Innsbruck
Prof.Dr. Michael Plummer – The Johns Hopkins University, Paul H. Nitze School of Advanced International Studies, Bologna
Prof.Dr. Max Popp – University of Natural Resources and Life Sciences (BOKU), Vienna
Prof.Dr. Hans Puxbaum (retd) – TU Wien
Em.Prof.Dr. Arthur R. Rachwald – United States Naval Academy
Dr. Klaus Rapp – Verbund Umwelttechnik GmbH, Austria
Prof.Dr. Harald Rieder – University of Natural Resources and Life Sciences (BOKU), Vienna
Prof.Dr. Erwin Egon Rosenberg – TU Wien
Prof.Dr. Thomas Row – Vienna School of International Studies
Dr. Hannes Schaffer – Mecca Consulting Vienna
Dr. Valentin Seidler – Vienna University of Economics and Business
Prof.Dr. Peter Sturm – Graz University of Technology
Prof.DDr.h.c. Paul Wagner (retd) – University of Vienna
Prof.Dr. Friedl Weiss – University of Vienna
Prof. Verena Winiwarter – University of Natural Resources and Life Sciences (BOKU), Vienna; International Consortium of Environmental History Organisations (ICEHO)
Prof.Dr. Matthias Zessner-Spitzenberg – TU Wien

This represents only a selection of the faculty.



PROGRAM START: September 26, 2022

LOCATIONS: The MSc Program takes place on the centrally located campuses of the TU Wien and the Vienna School of International Studies (aka DA).

DURATION AND TIME SCHEDULE: The MSc is structured in modules and requires two academic years of full-time study. While the first year takes place at the Vienna School of International Studies, the second year is carried out at the TU Wien Academy for Continuing Education.

TUITION FEE

The fee for this two-year full-time MSc Program is **EUR 28.600**; 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 2022. Candidates may also be required to be available for interviews.

Applicants are carefully considered on the basis of their academic achievements and professional experience. To learn more about the admission procedure please do not hesitate to contact us.

Application

Application Deadline: March 15, 2022

Personal Advisory Service

Technische Universität Wien
Academy for Continuing Education
 Mag. Isabelle E. Starlinger
 Operngasse 11/017, 1040 Vienna, Austria
 E: etia@tuwien.ac.at
 T: +43-1-58801-41716

ONLINE APPLICATION PROCESS

1. Register online at <https://application.da-vienna.ac.at/master>
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 Vienna School of International Studies Registrar's Office: these documents should reach the Registrar by March 15, 2022 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
 - high-school 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 and photos) listed above to:

Diplomatische Akademie Wien – Vienna School of International Studies

Genny Chiarandon
 Favoritenstr. 15a
 1040 Vienna, Austria
 T: +43-1-5057272-125

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

Certified Translations

The working languages of the Vienna School of International Studies are English, French and German. If your documents have not been issued in one of these languages, please make sure you include certified translations with your application.

Study in one of the most liveable cities in the world: Vienna!



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