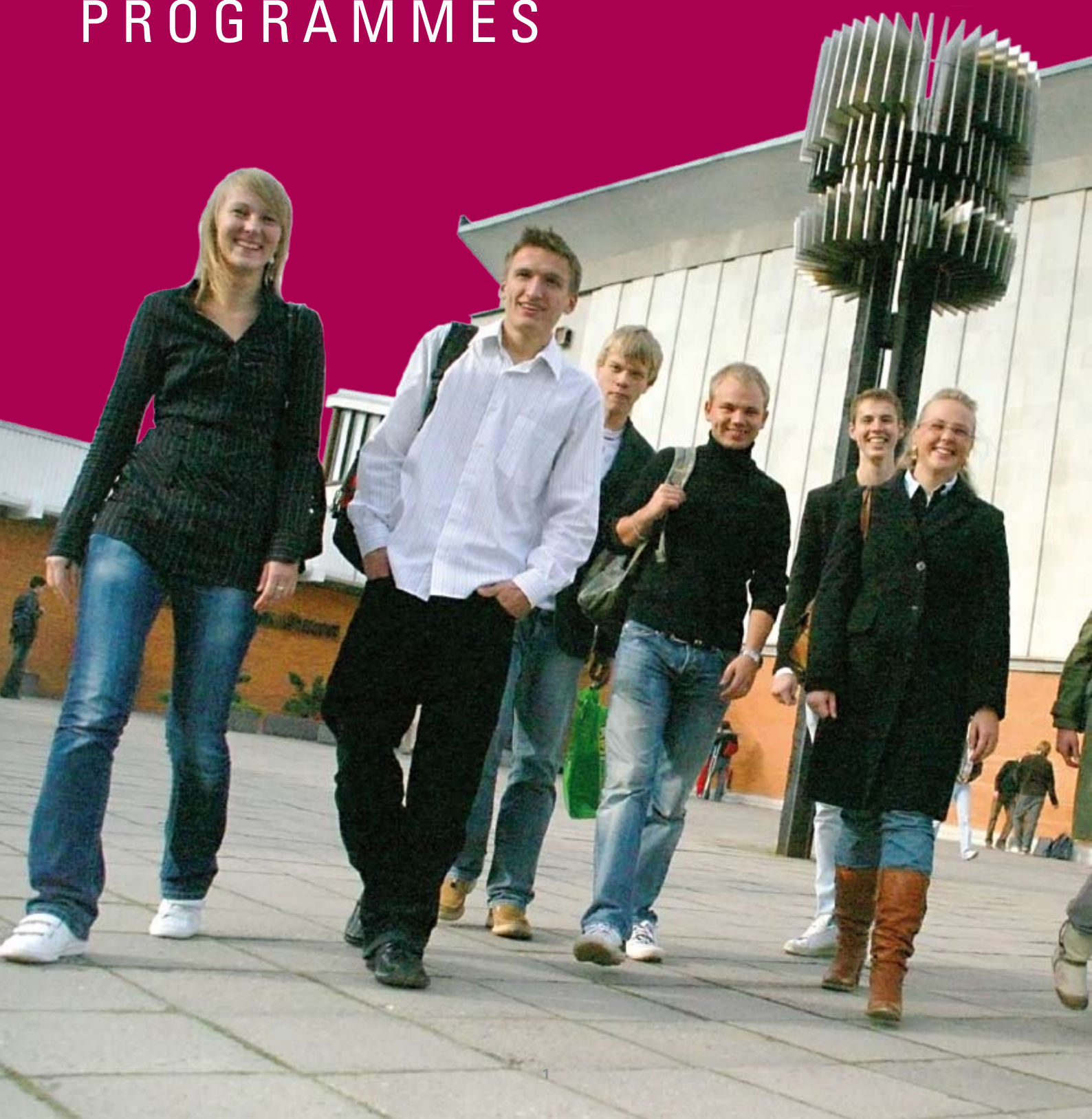




1918

TALLINN UNIVERSITY OF  
TECHNOLOGY

# INTERNATIONAL PROGRAMMES



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# A WARM WELCOME TO

## TALLINN UNIVERSITY OF TECHNOLOGY!

Founded in 1918, Tallinn University of Technology (TUT) is a public university with a long academic history — in 2008 Tallinn University of Technology celebrated its 90th anniversary. TUT is a modern, international university that offers excellent opportunities to gain the knowledge and skills necessary in today's working life. TUT, the second largest public university in Estonia, is the nation's leading academic institution in engineering, business and public administration. We teach international degree programmes in English in the fields of technological and social science.

Our mission as a university is to provide internationally competitive education, research and innovation services in the areas of engineering and entrepreneurship, which are significant for Estonia's sustained development.

We highly value internationalization in higher education and continue the pursuit towards a student-centred, entrepreneurial university. Our faculty and staff will be ready to help you reach your individual goals and make your stay in a new environment comfortable.

Welcome to Tallinn University of Technology!

A handwritten signature in black ink, belonging to Professor Peep Sürje. The signature is stylized and cursive.

Professor Peep Sürje  
Rector

# TALLINN UNIVERSITY OF TECHNOLOGY

MENTE ET MANU –  
WITH WISDOM  
AND HANDS

**Tallinn University of Technology (TUT), founded in 1918 is the oldest and biggest university in Tallinn and the second largest in enrolment in Estonia.**

## ? REASONS TO CHOOSE TUT:

- **Public university with 90 years of academic excellence**
- **The biggest and the oldest university in the capital of Estonia**
- **Accredited international programmes**
- **Modern facilities and up-to-date computer labs**
- **Best research library in Estonia in engineering and business**
- **Students from 43 countries**
- **Internationally recognized professors from abroad**

Tallinn University of Technology (TUT), founded in 1918 is the oldest and biggest university in Tallinn and the second largest in enrolment in Estonia. The University provides interdisciplinary higher education, innovation and technological development. TUT is number one university in engineering, business and public administration.

With strong emphasis on Research and Development, TUT has an excellent reputation amongst science universities in Europe. TUT offers engineering and economics diplomas, and bachelor's, master's and doctoral degree programmes with three languages of instruction: English, Estonian and Russian.

Tallinn University of Technology provides opportunities to learn excellent professional and academic skills, as well as knowledge that is based on the contemporary science and research achievements, which take into consideration international trends of industry and social needs of the society. The recent Employment Destination Survey conducted by TUT's Career Services confirmed excellent career perspectives of our graduates: TUT alumni stand a better chance of becoming a chief executive than any other profession.

The TUT degree can also provide a passport into the world of education; graduates of TUT have been admitted to Oxford University, University of London, Mannheim University, Chalmers University of Technology, Kungliga Tekniska Högskolan, Helsinki Technical University, St. Gallen University, University of Southern Denmark and other academic institutions.





International  
students and  
professors from  
43 countries

[www.ttu.ee](http://www.ttu.ee)



# TALLINN UNIVERSITY OF TECHNOLOGY IN FACTS:

<b>TYPE OF INSTITUTION:</b>	Public university
<b>DATE OF ESTABLISHMENT:</b>	1918
<b>LOCATION:</b>	Capital of Estonia – Tallinn
<b>NUMBER OF STUDENTS:</b>	13 500
<b>NUMBER OF EMPLOYEES:</b>	2000
<b>NUMBER OF NATIONALITIES:</b>	43
<b>FACULTIES:</b>	8 Faculty of Civil Engineering Faculty of Mechanical Engineering Faculty of Power Engineering Faculty of Science Faculty of Social Sciences Faculty of Information Technology Faculty of Chemical and Materials Technology Tallinn School of Economics and Business Administration
<b>ACADEMIC DEGREE PROGRAMMES:</b>	136
<b>LANGUAGES OF STUDY:</b>	English, Estonian, Russian
<b>DEGREE PROGRAMMES IN ENGLISH:</b>	13
<b>BACHELOR STUDIES IN ENGLISH:</b>	International Business Administration International Relations Law
<b>MASTER STUDIES IN ENGLISH:</b>	International Business Administration (MBA) International Relations and European Studies Law Technology Governance Cyber Security Software Engineering Industrial Engineering and Management Environmental Management and Cleaner Production Materials and Processes of Sustainable Energetics Health Care Technology
<b>ACCREDITATION:</b>	Degree programmes fully accredited
<b>EXCHANGE PROGRAMMES:</b>	ERASMUS and bilateral agreements with around 40 countries
<b>ACADEMIC CALENDAR:</b>	Two semesters: Fall (September – January) Spring (February – June)
<b>LIBRARY:</b>	Wide collection of periodical and textbooks: approximately 700 000 publications, about 600 current journals in print and more than 12 000 full-text journals in electronic form; biggest technology and business library in Estonia
<b>COMPUTER FACILITIES:</b>	Numerous computers for public use at the University library and in the main building. Wireless Internet (WIFI) covers the University campus and is free of charge.
<b>SCHOLARSHIPS:</b>	TUT Development Foundation and Alumni Association award annually around 80 scholarships totaling over 110 000 EUR. In addition, government scholarships cover tuition fees for some programmes.

# TUT FACULTIES OFFERING PROGRAMMES IN ENGLISH



## Faculty of Chemical and Materials Technology

### **Programme in English (joint programme with University of Tartu): Master of Materials and Processes of Sustainable Energetics**

The Faculty of Chemical and Materials Technology is a part of the high technology world. Excellent professors and researchers of the Faculty are working daily for more friendly technologies and for cleaner environment in Estonian industry and nature. In the study programme of chemical and environmental technology basic knowledge is focused on the master studies into the water and wastewater chemistry and processing.

As a result of successful research in the field of materials science and especially the study of the materials for solar energy the Faculty opened a new master programme of materials and processes of sustainable energetics where students can learn modern ways to produce the environmental-friendly energy by sustainable technologies. Therefore, also international cooperation and research projects with European industry and universities are conducted.

Along with the development of new materials and technologies, research and instruction are also pursued in the long-traditional Estonian materials technologies - wood and textile technology. It is common knowledge that efficient performance is ensured by proper nutritional habits. Food scientists promote those choices in the sophisticated world of food engineering and product development. Their science-based recommendations are highly appreciated. Successful research is mainly based on PhD studies. The Faculty participates in the doctoral school programme of functional materials and technologies.



## Faculty of Civil Engineering

### **Programme in English:**

#### **Master of Environmental Management and Cleaner Production**

Estonia's economy requires more contemporary offices and spaces for industry and development of public buildings and housing. The construction sector is seeking for talented young engineers equipped with innovative knowledge and skills and IT technology for working in the office as well as on the site.

The Faculty has long history – it was born together with the University in 1918. Currently the Faculty has good reputation in the national construction market and all the syllabi are internationally accredited. Graduates can also demonstrate their intellectual capability in their participation in research and development projects – the academic staff of the Faculty is involved in several international EU funded projects, but also the national business sector requires the academic expertise and consultancy. Major

landmark-buildings of Estonia – theatres, song festival tribunes, high-rises, bridges, etc. – have become reality also due to the input of the academic staff of the Faculty.

At the same time, the term 'civil engineering' has become the umbrella for the Faculty where one can specialize in different fields of engineering that relate to built and green environments. Structural design, environmental protection, roads and bridges, coastal engineering, management and economics – this is only the shortlist of specializations available. It is sure that through good learning approaches students gain deep knowledge of engineering and economics. The laboratories for construction materials, land surveying, water analyses, strength of structures, hydro-mechanics, etc. equip the students with independent practical skills to carry out different testing exercises.



## Tallinn School of Economics and Business Administration

### **Programmes in English:**

#### **Bachelor of International Business Administration**

#### **Bachelor of International Relations (also in Russian?)**

#### **Master of International Business Administration (MBA)**

#### **Master of International Relations and European Studies (also in Russian)**

Tallinn School of Economics and Business Administration (TSEBA) has been providing a high quality business education since 1941. TSEBA is generally accepted to have not only the highest reputation but also to have the largest student body of any university offering business studies in Estonia.

At TSEBA, a wide selection of economic and business education programmes are provided on bachelor's, master's and doctoral levels, all of which are fully accredited and recognized. The programmes are offered in three languages: in Estonian, English, and Russian.

The primary mission of the TSEBA is to be the leading educational, research and development centre in the Baltics in the field of business and economics with an international outlook. The purpose of TSEBA programmes is to provide social and professional training in today's rapidly changing and challenging business environment.

In 2009, TSEBA will move to a brand new building on the main campus of Tallinn University of Technology. This allows business students to share more easily the extensive facilities, such as a large gym, student commons and library, located on the sprawling campus of the parent university.





## Faculty of Information Technology

**Programmes in English (joint programmes with University of Tartu):**  
**Master of Cyber Security**  
**Master of Software Engineering**

History of the Faculty of Information Technology dates back to the year 1965 when the former Faculty of Electrical Engineering was established at TUT. Today the Faculty of Information Technology is the most dynamically developing faculty at the University. The Faculty comprises more than 2100 undergraduate and graduate students and 150 members of research and teaching staff.

The Faculty plays a decisive role in Estonian economy, providing education and training for software, system, computer, electronics and telecommunication engineers as well as information management engineers. Different research groups perform their activities for a wide range of Estonian enterprises and public authorities and some foreign companies as well. Research activities of the Faculty are coordinated by the Centre for Integrated Electronic Systems and Biomedical Engineering (CEBE) – one of seven Estonian centres of research excellence – and Competence Centre in Electronics, Information and Communication Technologies (ELIKO).

Recent developments promote increasing integration of education, research and business activities and the Faculty concentrates its efforts to keep pace with these trends. The Faculty collaborates widely with governing and uniting organizations of the Estonian industrial enterprises and the departments of the Faculty are strengthening collaboration with their industrial counterparts as well. High level research and development activities and steady collaboration with companies together form the key factor for updating undergraduate and graduate education and for developing the research infrastructure.

## Faculty of Social Sciences

**Programmes in English:**  
**Bachelor of Law**  
**Master of Law**  
**Master of Technology Governance**

The Faculty, established in 1994, has developed into a dynamic entity that focuses on five pillars in education: 1) public administration and management (BA, MA and PhD), 2) MA in technology governance, 3) law (BA and MA), 4) industrial psychology (BA), and 5) service provision in humanities (philosophy, languages) and in sport areas to all students of the University. Regarding the faculty and research of public administration, the faculty is the largest and most active in Estonia. The innovative, high-profile programme Technology Governance, a field that combines technology with economy, society and public administration, is taught in English by an internationally renowned group of scholars and experts. Public administration and management students will graduate with a state-of-the art degree that, while being theoretically grounded, will enable them to successfully hold office on any level of governance, in the private or the third sector. In Law the faculty offers full English language studies, aimed at providing universal skills and knowledge that can be employed in any jurisdiction around the world, with special focus in the study of EU, international and comparative law. The PhD programme in public administration can likewise be taken in English, and the Faculty is the ideal and welcoming host for a semester or a year abroad.

The Faculty cooperates closely with many international and national universities, research centers, and policy organizations. It is the only place in Europe which includes board members of both academic public administration societies, EGPA and NISPAcee. Faculty members and graduate students are involved in numerous consulting and research projects, often on the highest level and/or in a coordinating role.



## Faculty of Mechanical Engineering

**Programmes in English:**  
**Master of Industrial Engineering and Management**

The Faculty was established in 1947 but mechanical engineering programmes have been offered at TUT already since 1918. The mission is to retain competitiveness on the national as well as international level as a centre of educational, research and development work in material engineering, machinery, thermal power engineering, and mechatronics.

The curricula have been tailored to satisfy the needs of the engineering industry, providing specializations in product development, production engineering, materials technology, vehicle engineering, thermal power engineering, and mechatronics. Academic work exploits today's information technology and high tech facilities (computer classrooms with professional software, research laboratories and an accredited testing center). Examples of internationalization are the international master programme of industrial engineering and management and several cooperation schemes: BALTECH (Finland – HUT, Sweden – KTH), doctoral school of functional materials and technologies (Finland – HUT, TUT), ROBOTEX robot competition (KTH), FORMULA STUDENT competition (GB – IMechE).

Current long-term R&D projects are the following: design and technology of multiphase tribomaterials, hard coatings and surface engineering, rapid product and process realization, sustainable utilization of energy resources and improvement of the combustion process, proactivity of mechatronic and production systems. Main research outputs are: development of novel cermets and coating technologies, increasing the competitiveness of products and production, design and industrial application of small-scale boilers, design and implementation of unmanned ground vehicle type robots and distributed management, and traceability system for the woodworking industry.

## Technomedicum - Institute of Clinical Medicine

**Programme in English:**  
**Master of Health Care Technology**

Technomedicum of Tallinn University of Technology (TM), a research, educational and development institution, was set up in 2006 to create an innovative and interdisciplinary research unit combining efforts of Tallinn University of Technology, hospitals and other healthcare organizations. Fostering cooperation with European universities and medical institutions, at the same time, TM is developing its educational and research environment and enhancing the quality of service and work environment.

The Institute of Clinical Medicine was established as part of the Technomedicum of Tallinn University of Technology on January 23rd 2007. The Institute operates as a science-, study- and development establishment in the medicine sphere.



# INTERNATIONAL DEGREE PROGRAMMES

In the academic year 2008/2009 there are around 400 international students working towards their international degrees from TUT. Our international students and alumni of international degree programmes come from the following 43 countries:

Armenia	Estonia	Norway
Azerbaijan	Finland	Philippines
Bangladesh	France	Poland
Belarus	Germany	Portugal
Bulgaria	Georgia	Romania
Bolivia	Great Britain	Russia
Bosnia and Herzegovina	Hungary	Serbia
Brazil	India	Spain
Canada	Italy	Sweden
China	Japan	Switzerland
Costa Rica	Latvia	Turkey
Denmark	Lithuania	Ukraine
Egypt	Mexico	USA
England	Moldova	Uzbekistan
	Netherlands	

The internationalization of higher education is one of the key strategic goals of our University. The internationalization strategy of TUT determines that every faculty should have at least one international degree programme. Outside the classrooms we strive to make international students at TUT as comfortable as possible while still maintaining an exciting learning environment.

At the moment there are 13 degree programmes in English to choose from.

## THREE BACHELOR'S PROGRAMMES:

- **International Business Administration**
- **International Relations**
- **Law**

## TEN MASTER'S PROGRAMMES:

- **International Business Administration (MBA)**
- **International Relations and European Studies**
- **Law**
- **Technology Governance**
- **Cyber Security**
- **Software Engineering**
- **Industrial Engineering and Management**
- **Environmental Management and Cleaner Production**
- **Materials and Processes of Sustainable Energetics**
- **Health Care Technology**





# INTERNATIONAL BUSINESS ADMINISTRATION

It is imperative to the Tallinn School of Economics and Business Administration that academic trends blend with practical uses. The Bachelor of International Business Administration programme follows this trend and focuses on entrepreneurship, institutions of the EU, theory of organization and management, business ethics, domestic and international business etc.

The curriculum builds up a foundation in all areas of business administration: accounting, banking, business law, economics, finance, marketing, management, statistics etc. The programme offers sufficient prerequisites for fast and flexible orientation in practical business activity but also for continuing academic training. Graduates will be equipped with extensive competence that corresponds to the knowledge and skills needed for acting in regional and international business.

[www.majandus.ttu.ee](http://www.majandus.ttu.ee)



## Structure of the Curriculum

Basic studies	52
Core studies	84
Special studies	24
Optional studies	12
Graduation thesis	8
<b>TOTAL</b>	<b>180</b>



### Meiju Asaba

BBA  
Age 23, Japan

I am happy to be a student of this well-known university in an innovative country Estonia. What makes TUT especially great is the fact that there are many people studying here from all over the world, this is very interesting and inspirational. I am sure that my time here in Estonia will be one of the most valuable and memorable things in my life.



### Jaakko Olavi Kujala

BBA  
Age 20, Finland

"The BBA programme offers a broad range of different courses in the area of economics and business. There is a good balance between theoretical studies and practical skills."

Stage of Studies:	<b>Bachelor's studies</b>
Programme capacity:	<b>180 ECTS</b>
Nominal study period:	<b>3 years</b>
Degree awarded:	<b>Bachelor of Arts in Social Sciences</b>
Tuition fee 2009/2010:	<b>3050 EUR/academic year</b>

## BASIC STUDIES

History of Philosophy  
Sociology  
Introduction to Political Science  
Organization of Studies  
Working Environments and Ergonomics  
English Composition I  
English Composition II  
Business Calculus I  
Business Calculus II  
Statistics  
Business Informatics I  
Business Informatics II  
Principles of Research  
Bachelor Thesis Seminar

## CORE STUDIES

Microeconomics  
Macroeconomics  
Financial Accounting  
Managerial Accounting  
Principles of Finance  
Investment Principles  
Corporate Finance  
Principles of Management  
Principles of Marketing  
Business Ethics  
Ecological / Environmental Economics  
Business Law  
Operations Management and Logistics  
Business Communication  
Strategic Management  
Internship  
Organizational and HR Management

## SPECIAL STUDIES

### International Business

International Accounting  
International Economics  
International Management  
International Marketing

### Finance

International Accounting  
International Finance  
Advanced Financial Accounting  
Capital Markets

### Marketing

Consumer Behavior  
Marketing Research  
International Marketing  
Marketing Strategies and Management



## INTERNATIONAL RELATIONS

The three-year bachelor program is designed to provide students with a well balanced interdisciplinary academic education focusing on European politics and international relations. The potential for in-depth policy analysis that comes from studying the political, judicial, economic, cultural and historical influences that shape the present-day world is an extremely valuable asset. The BA program aims to provide students with the necessary knowledge and skills to take advantage of an increasing range of professional opportunities, which have a European or an international dimension. The curriculum is comprised of a variety of courses in the field of humanities and social sciences with special attention to foreign languages. In addition to a comprehensive grounding in the discipline of International Relations, students can develop their specialization further by choosing from a list of more advanced courses in political, legal and economic studies. The program concludes with a written Bachelor Thesis.

[www.majandus.ttu.ee](http://www.majandus.ttu.ee)

### Structure of the Curriculum

General studies	42
Basic studies	30
Core studies	60
Special studies	28
Free choice courses	12
Graduation thesis	8
<b>TOTAL</b>	<b>180</b>



### Dr Toomas Varrak

Professor of Political Science

Dr Sc Toomas Varrak has graduated the former Tartu State University in history with the diploma equivalent to current MA, took PhD

in history at the same university and the academic degree of Dr of political science at the Institute of International Relations and World Economy (Moscow / Russia). He has worked as a researcher and director for research in the Institute of History of the Estonian Academy of Sciences, editor in chief at the Estonian Encyclopedia Publishers, professor at the Estonian Defence Academy and the Academy Nord. He has experience as an adviser of the Riigikogu/Estonian parliament. His publications include articles on political history, -sociology, -theory and current affairs as well as books General Politics (1997, 1998) and Introduction into Political Science and Statecraft (2000), both in Estonian.



### Teemu Hemillä

Bachelor of International Relations  
Age 27, Finland

I am very happy and satisfied with my studies at Tallinn University of

Technology and I can recommend International Relations programme to anyone who wants to study in a truly international environment. Professors speak excellent English and the level of teaching is very good. English is also widely spoken everywhere in Tallinn and in Estonia which makes it very easy to integrate to the society. I also love the atmosphere of the Old Town of Tallinn which is incredible.

Stage of Studies:	<b>Bachelor's studies</b>
Programme capacity:	<b>180 ECTS</b>
Nominal study period:	<b>3 years</b>
Languages:	<b>Russian, English</b>
Degree awarded:	<b>Bachelor of Arts in Social Sciences</b>
Tuition fee 2009/2010:	<b>2460 EUR/academic year</b>

### GENERAL STUDIES

English I  
English II  
English III  
Informatics I  
Informatics II  
Philosophy  
Foundations of Law  
Working Environment and Ergonomics  
Organization of Studies

#### Optional

Logic  
English IV  
Principles of Research  
Principles of Management  
Communicational Psychology  
Sociology

### BASIC STUDIES

French I  
French II  
The Analytical - Comparative Course of World Religions  
Political Philosophy  
History of International Relations and Diplomacy

### CORE STUDIES

European Integration  
EU History and Policies  
The European Union's common foreign and security policy  
20th Century European History  
European Union law  
Introduction to Political Science  
International Political Economy  
Public International Law  
International Economics  
Public Administration  
International Conflicts  
International security studies  
Conflict strategy

### SPECIAL STUDIES MODULE

Contemporary Issues in International Relations  
International Organisations  
Political Communication and Technology  
Internship  
*Optional*  
Asian Studies  
History of Estonia  
Globalization and Global Problems  
Behaviour of Masses  
Domestic and Foreign Policy of USA  
Russia and the CIS  
Human Rights Law



## LAW

The three-year bachelor program gives the students a possibility to employ modern techniques of legal interpretation and implementation, and understand the interrelations between different legal systems. All students take the required courses in legal theory and practice, international, European Union and transnational law, plus some electives of their choice.

[www.tls.ttu.ee](http://www.tls.ttu.ee)



### Structure of the Curriculum

General studies	24
Basic studies	41
Core studies	60
Special studies	36
Free choice courses	9
Graduation thesis	10
<b>TOTAL</b>	<b>180</b>

Tallinn Law School (TLS) at Tallinn University of Technology is at the forefront of internationalisation of legal education and research.

Strategic cooperation partners in Europe and the world, participation in international research projects and different networks (such as the European Law Faculties Association) enables TLS to provide students and faculty unique options for collaboration and gaining new knowledge and skills.

TLS faculty members, who come from the United States, the European Union and other countries, include highly qualified legal academics, and well-respected legal practitioners, including public officials, public prosecutors, trial lawyers and judges.



### Markku Räsänen

Bachelor of Law  
Age 23, Finland

I really loved Estonia during my studies and I still do. The country is small and dynamic and the people are very friendly. My experience

at Tallinn Law School showed that team work is highly valued at TUT, it was always very easy to approach the professors. I suggest studying at TUT to anyone wanting to become more international and to everyone who wants to meet people from other countries. My experience proves that international atmosphere gives the keys to succeed: I worked in Taiwan and China during my second year of studies and now I am planning to continue with my studies in Germany. All this was made possible because I immersed myself to the experience that TUT has to offer, met new and interesting people while developing myself at the same time.

Stage of Studies:	<b>Bachelor's studies</b>
Programme capacity:	<b>180 ECTS</b>
Nominal study period:	<b>3 years</b>
Degree awarded:	<b>Bachelor of Arts in Social Sciences</b>
Tuition fee 2009/2010:	<b>2735 EUR/academic year</b>

### GENERAL STUDIES

Environmental policy  
Foreign Language for Academic Purposes  
Informatics I  
Working Environment and Ergonomics  
Organization of Studies  
Innovation  
Informatics II

### BASIC STUDIES

Foundations of Scientific Research  
Philosophy  
Foundations of Law  
Legislative drafting  
Comparative Law  
Legal Writing  
Encyclopaedia of Law

#### Optional

Introduction to Political Science  
Introduction to Sociology  
Basic of Organizational Psychology

### CORE STUDIES

Human Rights Law  
Law of International Contracts  
European Union law  
EU Internal Market Law  
Public International Law  
Constitutional Law  
Penal Law  
Administrative Law  
Intellectual Property Law  
Labour Law  
General Part of Private Law  
Property Law  
General Part of the Law of Obligations  
International Intellectual Property Law  
Comparative Constitutional Law  
International and Comparative Labour Law  
Comparative Property Law  
Comparative Criminal Law  
Comparative Contract Law





# INTERNATIONAL RELATIONS AND EUROPEAN STUDIES

The two-year Masters program in International Relations and European Studies builds upon Bachelor studies and is designed to prepare specialists with the potential to work in various areas of International Relations such as diplomacy and the conduct of foreign relations as well as mass media, policy planning or academic research etc. The program aims to provide students with the necessary knowledge and skills to take advantage of an increasing range of professional opportunities of an international dimension. The students can develop their specialisation in the narrower fields of political, legal and economic studies.

[www.majandus.ttu.ee](http://www.majandus.ttu.ee)



**Dr Peeter Mürsepp**  
Professor

Peeter Mürsepp received his M.Phil. in Philosophy from Tartu University and Ph.D. in Humanities from Vilnius University. He has been Visiting Research Fellow at London School of Economics &

Political Science, New School for Social Research (New York City) and Roskilde University Centre (Denmark). Professor Mürsepp has published his works in several international journals and series: Foundations of Science, Problemos, Boston Studies in the Philosophy of Science, Leipzig University Proceedings, etc. He has been invited to give talks at philosophy seminars at Warwick University (UK) and Lorand Eötvös Science University (ELTE) in Budapest. He has given talks and acted as academic committee member at several international conferences. Currently, professor Mürsepp is teaching the courses of Philosophy and Methods of Scientific Research.



**Marko Vujicic**  
Professor

„Our International Relations programme will prepare you for a career in both the governmental and the private sector. You will be introduced to major theories in Political Science and International Relations and we will discuss and give you a good understanding of important contemporary issues covering such topics as the spread of globalization, international terrorism, nuclear proliferation and the current economic crisis. Our International Relations programme

will give you the competitive tools to navigate even the most demanding of careers in international relations and give you a solid foundation for any graduate program in International Relations.”

M. Vujicic received his MA in Political Science from The George Washington University in Washington DC, where he studied under some of the most well known Political Scientists in United States (such as Martha Finnemore and James Goldgeier) as well as some of the most well known practitioners of International Relations from governmental, intergovernmental and nongovernmental organizations. He now teaches Introduction to Political Science, International Security Studies, International Political Economy as well as a number of issue specific courses (such as Globalization) at Tallinn University of Technology.

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Arts in Social Sciences</b>
Tuition fee 2009/2010:	<b>2690 EUR/academic year</b>

## Structure of the Curriculum

General studies	20
Basic studies	15
Core studies	10
Special studies	40
Free choice courses	5
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

## GENERAL STUDIES

Environmental and ecological economics  
Methodology of Scientific Research  
Research Methods in International Relations  
Political Science  
Master's Thesis Seminar

## BASIC STUDIES

Advanced Issues of Public International Law  
International Economics  
Comparative Political Science

## CORE STUDIES

International Relations II  
Theories of International Relations

## SPECIAL STUDIES

Comparative Analysis of International Systems  
International Organizations Analysis  
Security theories  
Research Seminar and Work Placement  
Constitution of European Union  
Political integration of Europe  
Economic Integration of Europe

### Optional

International Conflict Resolution  
English V  
English VI  
French V  
French VI  
German V  
German VI  
International Negotiations  
US Foreign and Security Policy  
Russia's Foreign and Security Policy  
Transatlantic Cooperation  
Estonia in the System of International Relations



## LAW

The Master program in Law is tailored to enable students to learn both the general principles and philosophy of law in Europe as well as giving detailed knowledge and skills in specialisation areas: in English, these are European Union law and international and comparative law. Taught by the Law School's international faculty, the graduates of Tallinn Law School have excellent career prospects in their area of specialisation: they are working in the public and private sectors, at international organisations and European institutions, and are also members of Bar Associations in several countries as well as other legal professions.

[www.tls.ttu.ee](http://www.tls.ttu.ee)



**William Burns**

Lecturer of Law

We had a Law School graduate who went to work at Latvian Television. Shortly after arriving there, she was told that in about 6 weeks they would be televising the Eurovision Song Contest, but they had not yet drafted or negotiated any contracts with any of the performers or service providers. She started to work on this daunting project. They were able to draft and negotiate approximately 200 contracts and the show was a great success. She

told me later that she now realized just how well her legal training and education in the university had prepared her to engage in truly international legal practice. She said she understood the culture and legal practices in these many diverse countries and because of this she was able to deal with these people more effectively than someone who may have received their legal training within a purely local program.

William Burns completed a B.Sc. and a J.D. (Doctor of Jurisprudence) at the University of Montana in the United States. After fifteen years' experience as a trial lawyer, specializing in Federal Tort Claims, Professor Burns was elected as a Judge in the state of Montana, a position he held for nearly twenty years. W. Burns teaches now different Law courses at the Tallinn Law School, Tallinn University of Technology.



**Tanel Kerikmäe**

Director of the Law School

Tanel Kerikmäe, LL.M., LL.Lic., Ph.D., is a well-known international lawyer and scholar in the region. He completed his Master and Licensiate studies in Helsinki University. He has studied also in Cambridge, Oxford, Turku, Edinburgh, Florence and elsewhere. He is a Jean Monnet

professor, a boardmember of Baltic Yearbook of International Law and an author of more than 50 articles and publications. He has been active as an expert on European Law for Estonian Government, for international organizations and private corporations. Tanel Kerikmäe also serves as a President of Estonian branch of European Community Studies Association with headquarters in Brussels.

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS or 60 ECTS</b>
Nominal study period:	<b>2 years or 1 year</b>
Degree awarded:	<b>Master of Arts in Law</b>
Tuition fee:	<b>3140 EUR/academic year</b>
Prerequisite: <b>Bachelor of Arts in Social Sciences or a comparable degree</b>	

### Structure of the Curriculum

Basic studies	18
Core studies	24
Special studies	42
Free electives	6
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

### BASIC STUDIES

Foreign Language for Science and Research
Ethics for Lawyers
Legal Research Methodology
Comparative History of Law

### CORE STUDIES

Legislative Policy
European Legal Philosophy
Judicial Procedure
Alternative Dispute Resolution
Special Seminar in Criminal Law
Special Seminar in Public Law
International and European Protection of Human Rights
Case Studies in EU Competition Law
Advanced Issues of Public International Law
Special Seminar in Intellectual Property Law
Special Seminar in Private Law
Constitution of European Union
Tax Law
Criminology
Law of Finance and Credit Institutions
Case Studies in International Humanitarian and Refugee Law
Legal internship
Real Estate and Planning Law
Moot Court
Special Seminar in Criminal Law
Case Studies in Internal Market Law of EU
Legal Analysis of International Commercial Transactions
Legal Foundations of European Monetary Union
International and European Energy and Environmental Law
Advanced Issues in Private International Law
Introduction to Litigation and Arbitration in the United States



# INTERNATIONAL BUSINESS ADMINISTRATION

Fastly changing economical environment requires professionals who have the competence to adjust to rapidly changing world. The aim of the programme is to develop extensive professional who has the competence corresponding to the educational level for acting in the changing regional and international business and to create sufficient prerequisites for fast and flexible professional orientation. The knowledge and skills gained in the course are highly valued and recognized nationally as well as abroad.

By choosing the MBA programme at TSEBA, you will learn how to become a leader. The curriculum of this programme uses the traditional content of MBA studies. You will also have an opportunity to become an expert in the fields of the Baltic Region, the European Union, Scandinavia and Russia.

[www.majandus.ttu.ee](http://www.majandus.ttu.ee)



## Structure of the Curriculum

General studies	6 ECTS
Basic studies	20 ECTS
Core studies	42 ECTS
Special studies	16 ECTS
Optional courses	6 ECTS
Graduation thesis	30 ECTS
<b>TOTAL</b>	<b>120 ECTS</b>



**Karsten Staehr**  
TSEBA Professor

Karsten Staehr is a professor of international and public economics at Tallinn University of Technology.

He is a Danish national, but has lived in Estonia for several years. Karsten has master's and Ph.D. degrees from the University of Copenhagen and a master's degree from Massachusetts Institute of Technology, USA. Karsten is also working as a research advisor at the Estonian Central Bank and previously worked at the World Bank, the University of Copenhagen (Denmark), the Central Bank of Norway, the University of Tartu (Estonia), and the Economic Assessment Institute in Copenhagen.



**Thomas Ondraczek**  
MBA  
Age 30, Germany

"Due to my management position at the Estonian branch of a German machine building company, I am confronted with tasks which require a knowledge what goes further than my engineering education. I've been always interested in business administration and so I have chosen the MBA programme at TUT. I am glad to say that this programme allows me to continue my career as well as to strengthen my knowledge of business administration know-how."

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Business Administration (MBA)</b>
Tuition fee 2009/2010:	<b>3500 EUR/academic year</b>
Prerequisite:	<b>In addition to Bachelor's Degree, applicant has to have at least 2 years of working experience.</b>

## GENERAL STUDIES

Intercultural communication  
Thesis seminar

## BASIC STUDIES

Compulsory courses  
International economics  
Statistical analysis  
International business  
Business information systems  
Optional courses  
Baltoscandian and Russian economy  
Estonian language and culture

## CORE STUDIES

Accounting  
Corporate finance  
Management  
Strategic management  
Business to business marketing  
Entrepreneurship and small business  
International human resource management  
Business ethics  
European community law

## SPECIAL STUDIES

Business game

### Optional

Possible Specializations

### E1 Management

Project management and cost-benefit analysis  
Innovation management  
Supply Chain Management

### E2 Marketing

E-marketing  
Marketing research  
Marketing communication

### E3 Financial management

International taxation  
Financial management  
Money and banking





## TECHNOLOGY GOVERNANCE

Technology Governance is an approach and set of policies undertaken by the public and private sector and social actors to develop a knowledge base, social cohesion and competitiveness at the same time. The Technology Governance program at Tallinn University of Technology is focusing on innovation and industrial policy and development economics. This is the international innovation policy and high-tech program with a solid foundation in history and theory, embedded in an exciting environment, that so many students and scholars were always looking for yet could not find!

Master of Technology Governance programme is interesting as an early- or mid-career professional degree for those working in ministries, development and promotion authorities, private companies and NGOs. Graduates of the programme are working in public organizations (ministries), municipalities and non-governmental organizations (think-tanks).

[www.technologygovernance.eu](http://www.technologygovernance.eu)



### Caetano Penna

Master of Technology Governance  
Age 27, Brazil

I was looking for a master's programme that was based in an alternative view of economics, that wasn't mainstream. A programme founded in history and theory, which could provide me with a different perspective of the world order. And guess where I found the best programme of such kind? Yes, in Tallinn University of Technology, in Estonia!

I would go for the unknown, to live different experiences, in a country up north, whose capital city is the heritage of humanity, precisely because of the cultural and climate differences with my country, I saw Estonia as a place where I would grow up a lot.

And, for my pleasure, I met many new friends, from all over the world! Moreover, all the staff that

receives foreign students, from the International Study Centre to the International Club, have made my life easier (and happier!) than I thought it would be. All in all, I have made the right decision when I left Brazil to this northern country called Estonia!



### Carlota Perez

Professor of Technology and Socio-Economic Development.

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Arts in Social Sciences (Technology Governance)</b>
Tuition fee 2009/2010:	<b>3000 EUR/full programme</b>

### Structure of the Curriculum

General studies	7
Basic studies	8
Special studies	70
Elective studies	5
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

### GENERAL STUDIES

Policy Skills: Strategic Management, Policy Analysis, and Lesson-Drawing  
Master's Seminar

### BASIC STUDIES

European Union and Multilevel Governance  
International Organisations  
Development Policies and Globalization

### SPECIAL STUDIES

History of Economic Policy and Theory of Uneven Development  
Financial Policies, Innovation and Economic Development  
Introduction to Types of Capitalism  
Case studies in Business, Government, and the International Economy  
Empirical-historical Economics  
Law & Economics  
Technical Change, Techno-Economic Paradigms and Changing Opportunities for Development  
Critique of Technology  
Case Studies in Industries and Technologies  
Systems of innovation  
E-Governance  
The State and Governance  
Small States  
Public Management and Administration  
Public Administration and Innovation  
Research Methods in Social Sciences  
Internship

Perez, who currently resides in the United Kingdom, is an Honorary Research Fellow at SPRU, University of Sussex, and Adjunct Senior Research Fellow at the United Nations University's Institute of New Technologies, Maastricht, The Netherlands. Currently, she is Visiting Senior Research Fellow at the Cambridge Endowment for Research in Finance (CERF), University of Cambridge. Perez has held posts in the government of Venezuela, first in the Institute of Foreign Commerce in relation with the technology aspects of the North-South Dialogue (1975-1977), later as founding Director of Technology in the Ministry of Industry (1980-1983). She is perhaps most famous for her development of the concept of the "Techno-Economic Paradigm Shift".



# ENVIRONMENTAL MANAGEMENT AND CLEANER PRODUCTION

## Structure of the Curriculum

General studies	13
Basic studies	12
Core studies	26
Special studies	34
Free choice courses	5
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

## GENERAL STUDIES

Business Ethics
Environmental Assessment and System Analysis
Environmental Chemistry

## BASIC STUDIES

Fundamentals of Business Administration
Statistical Analysis
International Business

## CORE STUDIES

Environmental Management systems (EMS)
Eco-Design
Life-Cycle Analysis
Environmental Policy
Environmental Impact Assessment and Audit

## SPECIAL STUDIES

Air Pollution Prevention and Control
Theory and Equipment of Sludge and Wastes Treatment
Environmental Technology
Sustainable/cleaner Production

### Optional

Professional practice
Waterbodies Water Quality and Water Conservation
Sustainable Water Management
Industrial Marketing
Public Management and Administration
State and Governance

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Science in Engineering (M.Sc.)</b>
Tuition fee 2009/2010:	<b>1870 EUR/academic year</b>
Prerequisite:	<b>Bachelor Degree or equivalent in production, civil engineering or technical fields.</b>

Industrial production has an enormous impact on environment and societies awareness of such effects is constantly growing. New knowledge in this field is needed more than ever. The goal of the programme is to educate managers who understand all aspects of the environmental industry and at the same time are skilled in critical thinking, problem solving and are able to plan, implement and control all facets of environmental management. Graduates of the programme are highly valued specialists internationally as well as locally.



## Kairi Tänavsuu

Master of Environmental Management and Cleaner Production  
Age 25, Estonia

"As we are living among the environment and nature we should learn and know more about it. TUT offers a very good programme for this: Environmental Management and Cleaner Production. TUT is the most famous university in Tallinn. The city itself is beautiful and the campus area is green and peaceful."





# INDUSTRIAL ENGINEERING AND MANAGEMENT

Keywords for today's business environment are: product globalisation, international and local cooperation and dynamic market. This programme aims to prepare engineers who will be experts not only in a particular field on engineering but also have required skills for company management. Such concepts as design, development and managements of integrated systems of people knowledge, equipment and material are included in the curriculum of the programme. Graduates of the programme can work in every field, starting from manufacturing and ending with retail.

## Structure of the Curriculum

General studies	11
Basic studies	12
Core studies	22
Special studies	40
Free choice courses	5
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>



## Prof. Rein Küttner

Member of the Estonian Academy of Sciences. TUT, Department of Manufacturing Engineering

Estonia's fast-developing economy requires preparation specialists and managers with experience and a diversity of knowledge. The main indicator of a successful company in a situation of high competitiveness is usage of new technologies and modern management techniques. In a situation of high competitiveness the existence of modern technology is important, but the importance of skilled human resources, competence and management is becoming even more valuable. The curriculum „Industrial Engineering and Management“ is being developed and implemented in cooperation with several

universities amongst the Nordic and Baltic countries. The curriculum includes economic, management and engineering subjects; it should fit to the educational targets to prepare specialists with good engineering and management knowledge.

The speciality „Industrial Engineering and Management“ concerns the design, development, implementation, and evaluation of integrated systems of people, knowledge, equipment, energy, and material. Industrial engineers work to eliminate wastes of time, money, materials, energy, and other resources. There are many things industrial engineers do in their work to make processes more efficient, and to increase productivity.

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Science in Engineering (M.Sc.)</b>
Tuition fee 2009/2010:	<b>1870 EUR/academic year</b>

Prerequisite: **Bachelor's degree in Mechanical or Manufacturing Engineering; Bachelor degree in Business Administration or Diploma of Polytechnic-type higher educational institution and a list of additional studies approved by the study Domain Programme Committee.**

## GENERAL STUDIES

Operation research  
Business Ethics  
Fundamentals of business administration

## BASIC STUDIES

Business law  
Technology-based Entrepreneurship and Innovation I  
Information Systems of Production Management

## CORE STUDIES

Innovation Management  
Industrial Marketing  
International Business  
Engineering and management praxis

### Optional

Project management  
History of Economic Policy and Theory of Uneven Development  
Technical Change and Techno-Economics Paradigms

## SPECIAL STUDIES

### Module: Production management

Supply chain management  
Quality management  
Production management

### Optional

Human Factors Engineering  
Controlling in Production Systems  
Case Studies in Technologies and Industries

### Module: Manufacturing engineering

Concurrent Product Development  
Production Engineering  
Manufacturing Planning and Control

### Optional

Applications of Manufacturing Simulation  
E-manufacturing  
Optimal Production Planning  
Technology based entrepreneurship and innovation II





# SOFTWARE ENGINEERING



JOINT PROGRAMME WITH  
UNIVERSITY OF TARTU



UNIVERSITY OF TARTU

**Founded: 1632**  
**Multidisciplinary research university**  
**10 faculties, 5 colleges**  
**17 000 students**  
**630 international students**

## Structure of the Curriculum

Core compulsory courses	24
Specialization module	24
Practice module	18
Elective courses	24
Master's thesis	30
<b>TOTAL</b>	<b>120</b>

## LOCATION:

Depending on the choice of specialization students will be based either in Tartu (specialization: Enterprise Software Engineering) or in Tallinn (specialization: Embedded Real-Time Software Engineering) for most of the program's duration. Elective courses, the Practice module and Master's thesis can be done at both locations. All students, regardless of specialization, will spend some time during the period of their studies at both partner universities.

## ADMISSION:

Admission for Master of Software Engineering programme is coordinated by University of Tartu. More information about the requirements and application deadlines can be found from University of Tartu's website.

[www.ut.ee](http://www.ut.ee)



Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Science</b>
Tuition fee 2009/2010:	<b>Scholarship will cover the tuition fee</b>
Prerequisite:	<b>Bachelor's Degree in Information Technology, Computer Science, Software Engineering, Computer Engineering, Information Systems or a related field</b>
Scholarship:	<b>A stipend of 2550 EUR per year will be granted to some students based on academic results</b>

## CORE MODULE

Tartu-based:	Software Economics Systems Modeling
Tallinn-based:	Requirements Engineering Software Quality and Standards

## SPECIALIZATION MODULE

Tartu-based:	<b>Enterprise Software Engineering</b> Enterprise System Integration Business Process Management Data Mining Seminar on Enterprise Software
Tallinn-based:	<b>Embedded Real-Time Software Engineering</b> Foundations of Embedded Real-Time Systems Real-time Operating Systems and Systems Programming Real-Time Software Engineering Formal Methods in Embedded Real-Time Systems Development

## PRACTICE MODULE

The practice module provides an opportunity for students to apply the knowledge acquired during the program. Students have a choice between:

**Option 1:** An internship of 2 to 3 months in a software company such as Cybernetica AS, Helmes, Microlink and Webmedia, or in the IT department of a large organization such as Hansapank/ Swedbank and EMT, either in Tallinn or in Tartu.

**Option 2:** A combination of software projects and teaching practice.

## ELECTIVE COURSES

Tartu-based:	User Interface Design Social Informatics Advanced Algorithmics Estonian for International Students Software Engineering Management Secure Programming Techniques Text Algorithms Software Testing
Tallinn-based:	Agent-Oriented Modeling Hybrid Systems Estonian for International Students Principles of Secure Software Design System Reliability and Fault-Tolerance Schedulability Analysis Using Formal Methods



## CYBER SECURITY



### JOINT PROGRAMME WITH UNIVERSITY OF TARTU

Public focus on the cyber security field is growing all over the world. Estonia is well-known for its eagerness to put novel IT-solutions into everyday use. It is a pioneer in electronic identity, electronic voting, and vigorous in adopting mobile technology, online banking and electronic government services.

The international Master's program in Cyber Security aims at providing students with the skills in all aspects of the security of information systems, offering the possibility to specialize in either the technological or organisational aspects, or a combination of both. There will be Guest lecturers from CERT, industry and the NATO Cooperative Cyber Defence Centre of Excellence and the opportunity to conduct research within the Estonian Center of Excellence in Computer Science. The program will provide the specialized knowledge and professional skills needed in a career path leading to high-end technical roles (e.g. security analyst, architect or research engineer) or managerial roles (e.g. project/team leader or technology officer).

#### THE SUGGESTED GUIDE FOR LOCATION:

1. semester (fall): Tallinn University of Technology
2. semester (spring): University of Tartu
3. semester (fall): Tallinn University of Technology
4. semester (spring): Tallinn University of Technology or University of Tartu, devoted to Master's thesis.

Students who are not focusing on cryptographic methods will have a possibility of conducting a significant part of the 2. semester studies in Tallinn.

#### Structure of the Curriculum

Core studies	36
Elective studies	42
Free choice courses	12
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

#### Programme Director:

Professor Tanel Tammet, tammet@staff.ttu.ee

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Science in Cyber Security (M.Sc.)</b>
Tuition fee 2009/2010:	<b>Scholarship will cover the tuition fee</b>
Prerequisite:	<b>Bachelor's degree (or equivalent) in Economics, Science, Engineering or a related field.</b>
Scholarship:	<b>A stipend of 2550 EUR per year will be granted to some students based on academic results</b>

#### CORE STUDIES

Economic Environment
Foreign language
Legal principles of cybersecurity
Seminar
History of Art of War: From Ancient World to Network-Centric Warfare
System Administration
Network Technology II
Malware
Information Security Management

#### ELECTIVE STUDIES

The course structure is loosely organized into two informal tracks - a technology track and an organizational track - which can be followed „as is“ or combined depending on the student preferences.

Cryptology I
Cryptographic protocols
Cryptology II
Applied Cryptography
Secure Programming Techniques
Principles of Secure Software Design
Malware II
Log mining and disk forensics
Information Systems Hacking Attacks and Defence
Simulation of Attacks and Defense

Social Informatics
Introduction to Internet Psychology
Organizational Behaviour
Management
Insurance of Property Risks
Information Systems Mass Attacks and Defence
Information and cyber security assurance in organisations
International Business
Business Ethics
Practical Training in Informatics

#### FREE CHOICE COURSES

In addition to freely selected master-level courses two preparatory courses are offered for students with little or no background in information technology:

Programming preliminaries
Networking and system administration preliminaries



# MATERIALS AND PROCESSES OF SUSTAINABLE ENERGETICS



## JOINT PROGRAMME WITH UNIVERSITY OF TARTU

Energy costs have become a critical issue since the worldwide consumption is increasing and the production of greenhouse gases is limited. This drives us to the situation where people who are educated to deal with minimizing energy usage are in demand. These people have the needed knowledge to optimize the conversion and production of energy. The new joint programme of Materials and Processes of Sustainable Energetics offers a new and unique approach to energy issues. Programme does not teach how to produce more energy but how to use energy more efficiently.

The goal of the programme is to educate engineers and material scientists in the field of sustainable energetics. There are two specializations to choose between. Specialization on materials will concentrate on solar panels and fuel cells. Specialization on processes will teach all about the different ways to produce energy: oil shale, wind energy, nuclear power, water etc.

[www.sustainableenergetics.eu](http://www.sustainableenergetics.eu)



### Andres Öpik

Andres Öpik, Dean of the Faculty

What motivated me to create this programme was the fact that energy saving is getting more popular and the lack of that sort of programmes nowadays. It is our aim to offer a new approach to sustainable energetics studies. In cooperation with Estonian Energy Company, University of

Tartu and also our associate from Austria we have combined our best scientists and specialist to produce future professionals in the field of sustainable energetics. We give our student a thorough overview about the main ways to produce energy and how to combine them to get maximum result. Also we have professors who are successful and highly appreciated in Europe in the field of solar panels.

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Science in Engineering (M.Sc) or Master of Science in Natural Sciences (M.Sc)</b>
Tuition fee 2009/2010:	<b>Scholarship will cover the tuition fee for 2 year studies</b>
Scholarship:	<b>100 EUR from 1st semester plus additional stipend acc. to grades</b>

### Structure of the Curriculum

General studies	10
Basic studies	10
Core studies	10
Special studies	50
Free choice courses	10
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

### GENERAL STUDIES

Law  
English for Science  
Social Skills and Ethics

### BASIC STUDIES

Introduction to Studies  
Chemistry and Physics for Engineers  
**OR**  
Engineering for Natural Scientist

### CORE STUDIES

Fundamentals of Sustainable Energy Engineering  
Research work and Innovation  
Project Management and Quality Control

### SPECIAL STUDIES

#### MODULE 1

Applied Energy Engineering  
Thermodynamics  
Fundamentals of Materials Science  
Energy from Agriculture

#### MODULE 2

Research Project

#### MODULE 3 Specialisation in Materials

Materials  
Physico-chemical Properties of Materials  
Materials Research and Characterization  
Materials Technology  
Applications of Materials

#### OR

#### MODULE 3 Specialisation in Processes

Processes  
Energy Saving and Conversion  
Energy Transport  
Energy Storage  
Energy Management and Planning





## HEALTH CARE TECHNOLOGY

The programme offered by the Institute of Clinical Medicine of TUT is a unique one in EU and after graduation the student is a valued professional both in national level and abroad. The skills and knowledge acquired allow the graduates to become the leading specialists and lecturers of their field and also to continue studies as health care technology doctoral students.

The specific objective of the curriculum is to prepare eHealth technology specialists who, having passed the curriculum, have acquired the know-how for working in different health care sector enterprises. Students will be given knowledge and skills in the following main fields:

- information technology applications related to eHealth as well as usage thereof;
- the modern health care system;
- basics of general medicine.

The curriculum has been prepared in cooperation with Estonian health care enterprises, Helsinki University of Technology and Karolinska Institute.

The Institute of Clinical Medicine was established as part of the Technomedicum of Tallinn University of Technology on January 23rd 2007. The Institute operates as a science-, study- and development establishment in the medicine sphere. Clinical medicine is an area which builds a competence bridge between biomedicine and the clinical manifestation of diseases. Institute adds the missing expertise to the development of the preferential areas in TUT (such as chemistry- and biotechnology, biomedicine).

[www.kmi.ttu.ee](http://www.kmi.ttu.ee)



**Programme director  
Ruth Sepper**

ruth.sepper@ttu.ee  
phone +372 620 4460

Stage of Studies:	<b>Master's studies</b>
Programme capacity:	<b>120 ECTS</b>
Nominal study period:	<b>2 years</b>
Degree awarded:	<b>Master of Technical Sciences</b>
Tuition fee 2009/2010:	<b>1340 EUR/academic year</b>

### Structure of the Curriculum

General studies	3
Basic studies	27
Core studies	41
Special studies	14
Free choice courses	5
Graduation thesis	30
<b>TOTAL</b>	<b>120</b>

#### GENERAL STUDIES

English for Science

#### BASIC STUDIES

Introduction to programming

Business Information Systems

Computers I

Principles of Diseases and Medical Aid

Principles of Human Anatomy and Physiology

Rhetoric and Debating

Servicing at Health Care Enterprise

#### CORE STUDIES

Requirements Engineering

Epidemiology

Data coding in Health Care

##### Optional

Strategic Analysis of Information System

Bioinformatics I

Software Engineering

Introduction to Sensor Networks

Strategic Analysis of Information System – Project

#### SPECIAL STUDIES

Theory and Ethics in Medicine

Basics of eHealth

Medical imaging

Master's seminar

Master's Practice in cooperation with industry partners

##### Optional

Information Systems Project Management

Health Promotion

Quality Management

Innovation Management

Bioinformatics II

Presentations and seminars on speciality research

# ADMISSIONS

**More info about admissions**  
**[www.ip.ttu.ee](http://www.ip.ttu.ee) – Admissions**

Different national education systems have different standards. Therefore it is always recommended to check with the International Study Center regarding the requirement for your country.

**Bachelor level** applicants are required to have completed their secondary education and possess university eligibility.

**Master level** applicants are required to have achieved a Bachelor's degree. Master degree applicants (except applicants from EU, USA, Canada, Australia, New Zealand and from former USSR countries) are required to present their secondary school documents as well.

1

## STEP 1 – APPLICATION

In addition to the completed application form, applicants must submit:

- **Notarized copy of a secondary education certificate and diploma of Bachelor's degree if applying for a Master programme (please provide a notarized translation if this document is not in English)**
- **Notarized transcript of records of the secondary school and if applying for a Master programme also Bachelor studies academic transcripts (if these documents are not in English, please provide notarized translation)**
- **Copies of the identification pages of the applicant's passport**
- **Two (2) passport size photos (4x5 cm) with a light background**
- **Receipt/cheque of non-refundable application fee for 40 EUR**
- **Non-native English speakers are required to present a copy of their TOEFL/IELTS score report. The score of TOEFL test should not be less than 500 (173 computer based, 61 iBT). Required IELTS score: 5.0 and above.**
- **Tallinn University of Technology TOEFL code: 8665**
- **Students have also a possibility to take TUT's English language test.**

Most programmes have also additional requirements so it is recommended to check our website before sending your documents. Also there may be different requirements for applicants from different countries.

2

## STEP 2 – ACCEPTANCE

Application documents will be processed only after application fee is received by the International Study Center. A successful candidate will be informed of a positive decision by a letter of conditional acceptance, accompanied by a study agreement and a pro forma invoice for the tuition fees.

3

## STEP 3 – CONFIRMATION OF ENROLLMENT

When the University receives the study agreement signed by the applicant and the requested tuition fees, you will be issued a certification of enrollment. With this document you can apply for the temporary residence permit for study in Estonia.

4

## STEP 4 – TEMPORARY RESIDENCE PERMIT FOR STUDY IN ESTONIA

All students who are not Estonian citizens or residents are considered international students and need a temporary residence permit for the period of study that is longer than 3 months.

Students who are citizens of the countries that need a visa for entry into Estonia will have to apply for a temporary residence permit at the Estonian Embassy or Consul in their home country (more info [www.vm.ee](http://www.vm.ee)). In the case that there is no Estonian Embassy or Consul in your home country, your next option would be any other country where there is one.

A temporary residence permit is valid for one year and should be renewed at least 60 days before the date of expiration at the Citizenship and Migration Board.

Students outside of EU who apply for temporary residence permit are required to have travel insurance when applying and obliged to make a health insurance within 2 months after arriving Estonia.

For additional information regarding the terms and procedures of the temporary residence permit for study in Estonia please visit: **[www.mig.ee](http://www.mig.ee)** – Residence Permits – For study.

**[www.vm.ee](http://www.vm.ee)**

5

## STEP 5 – ARRIVAL

Make your final preparations for arrival in Estonia. Please make sure to inform ISC regarding accommodation preferences and pick-up place and times in advance. ISC will gladly guide you with all the practical matters regarding moving to Estonia and beginning your studies at TUT.



# PHD STUDIES



PhD researchers are welcome to do their doctoral studies at TUT. Tuition fee is waived for all PhD students. Each PhD candidate is individually advised by an appropriate faculty member. The faculty member and student candidate cooperate closely in specifying the research area amongst the following:

- Civil and Environmental Engineering
- Power Engineering and Geotechnology
- Chemical and Materials Technology
- Information and Communication Technology
- Mechanical Engineering
- Chemistry and Gene Technology
- Engineering Physics
- Earth Sciences
- Economics
- Public Administration

Information about departments and institutions can be found at TUT webpage [www.technology.ttu.ee/](http://www.technology.ttu.ee/).

Nominal period of doctoral studies is 4 years (160 CP).



**Bonn Juego**

PhD student  
Age 27, Philippines

"Being a PhD student at Tallinn University of Technology is truly exciting. I am being taught by some of the world's leading scholars in the field of my study. The environment in the University is very dynamic and international and at the same time Tallinn is a very pleasant and safe city to live in."

## Application information for postgraduate (PhD) studies

To apply for PhD studies at TUT, applicants first need to send us the following documents as a standard process of admissions:

- **certificate of Master's degree and transcript of studies (translated in English and attested by a notary);**
- **transcript of the applicant's academic records (translated in English and attested by a notary);**
- **copies of the identification pages of the applicant's passport or other identification document;**
- **2 passport size photos of the applicant (4x5 cm - light background);**
- **Curriculum Vitae, incl. data about education and research work;**
- **written recommendation – agreement from supervisor;**
- **PhD thesis plan;**
- **Estonian ENIC/NARIC appraisal of foreign education document.**

Estonian ENIC/NARIC Center, Koidula 13A, Tallinn 10125,  
[enic-naric@archimedes.ee](mailto:enic-naric@archimedes.ee)

[www.archimedes.ee/enic](http://www.archimedes.ee/enic)



The department has the right to arrange interviews with the candidates. Registration for interviews is done when you bring the documents.

For further information about doctoral studies and scholarships for PhD students, please contact:

**Inge Otsing**  
**Doctoral studies specialist**  
[docstudy@ttu.ee](mailto:docstudy@ttu.ee)  
**phone: +372 620 3575**



**More information  
on scholarships  
can be found at  
[www.ip.ttu.ee](http://www.ip.ttu.ee)**



#### **Scholarships for TUT International Degree Programmes**

Tallinn University of Technology provides opportunities to the international students to study without paying the tuition fees. All PhD students can study free of tuition fees at TUT and receive additional support from the University and Estonian Ministry of Education. Additionally, each year a limited number of tuition scholarships providing exemption from tuition fee will be available to international students for the following Master degree programmes:

- **Industrial Engineering and Management**
- **Environmental Management and Cleaner Production**
- **Technology Governance**
- **Health Care Technology**

Scholarships will cover the full tuition fee for all students admitted 2009/2010 for the following Master degree programmes:

- **Cyber Security**
- **Software Engineering**
- **Materials and Processes of Sustainable Energetics**

Scholarship will cover tuition fee for 2 year studies. Additionally, a stipend of €2550 per year will be granted to some students based on academic merit in Cyber Security and Software Engineering. Students who study at Materials and Processes of Sustainable Energetics programme will receive a scholarship from the 1st semester, 100 EUR. Additional scholarship will be granted to some students based on academic merit.

#### **Scholarships for TUT Students**

Once you are enrolled at TUT student and your academic excellence is demonstrated in your transcripts you also have a possibility to compete for a scholarships to cover your living expenses. Each year there are around 80 scholarships awarded to TUT students in the amount of around 110 000 EUR. Most scholarships are offered by the University donors – successful enterprises. Frequently these same enterprises offer additional opportunities such as thesis writing within the company, internships and even employment.

Bachelor students may apply for annual Bachelor's Scholarships which amounts approximately 1000 EUR per one year. For Master students, there are offered annual Master's Scholarships which amounts approximately 1600-2000 EUR per one year.

#### **Other sources**

Rotary International [www.rotary.org](http://www.rotary.org)  
UNESCO Fellowships [www.unesco.org](http://www.unesco.org)  
World Bank scholarships [www.worldbank.org](http://www.worldbank.org)  
Soros Foundations Network [www.soros.org](http://www.soros.org)



# SCHOLARSHIPS

## COUNTRY SPECIFIC

Finnish students who study abroad receive study support from Finland

[www.kela.fi](http://www.kela.fi)

The Chinese Scholarship Council (CSC) in China provides a scholarship programme for Chinese citizens

[www.csc.edu.cn](http://www.csc.edu.cn)

There are several foundations in India that sponsor study abroad for Indian citizens, e.g. Inlaks Foundation, K C Mahindra Scholarship Trust, Scholarship Committee etc

[www.naukri.com/infoedge/schol.htm](http://www.naukri.com/infoedge/schol.htm)

Nationals and residents of Brazil, China, India, Indonesia, Mexico, Thailand and more – Ford Foundation International Fellowships Program

<http://fordfp.net/index.aspx?c=3>

There are many scholarships for citizens of the USA, like Fulbright grants, Boren Fellowships, The Gilman International Scholarship Program etc

<http://us.fulbrightonline.org>

The Canadian Federation of University Women offers several scholarships and fellowships for female students, mostly for graduate studies

[www.cfuw.org](http://www.cfuw.org)

Kazakhstan students who study abroad may apply for Bolashak scholarship which covers insurance, studying and living expenses

[www.edu-cip.kz/ru/](http://www.edu-cip.kz/ru/)



#### **Gero Schumacher**

Master of Environmental Management and Cleaner Production  
Age 26, Germany

"Choosing TUT for my study destination was one of the best decisions I've made. The programme provided me with the academic knowledge and skills I needed for my future career. While studying I could also work at Skype which is located 5 minutes by walk away from the lectures that took place. In addition to that I won a scholarship and received nearly two thousand euros to cover my living expenses. Thank you, Tallinn University of Technology for great education and a kick-start to my career!"



**The mission of International Club is to integrate international students into Estonian life**

# INTERNATIONAL STUDENT LIFE

## The International Club

TUT's International Club (IC) was officially founded in 2003 and consists of 20-30 active students of TUT. Tutors are mostly 2nd- and 3rd-year local student volunteers without any monetary compensation. The IC tutors are happy, open-minded, friendly and helpful young people who are prepared to assist foreign students.

The mission of the International Club is to integrate international students into Estonian life. Your tutor will pick you up at the airport, harbour, railway or bus station and will take you to your residence. During Orientation Days, tutors will introduce you to the university campus, give some advice about staying in Estonia and guide you around the educational system of our University. In addition, there will be plenty of activities such as excursions, seminars, trips and parties, organized for students by IC. Traditional events are IC fair, International Dinner, a trip to Southern Estonia and a nature trip to Naissaar.

The International Club webpage will give you the opportunity to get to know the tutors, to gain information about IC, the university,

Tallinn and Estonia and to check the upcoming events calendar and simplify your search of important sites and places.

[www.tipikas.ee/ic](http://www.tipikas.ee/ic)



## Student Activities

Besides student representation, an active part in the promotion of our student body are the organizations and interest groups that allow all TUT students to foster their unique identities. One of the most active and known of them is the culture club "Ollalaa", which draws together students interested in organizing student spirit activities. There are also outstanding amateur art collectives within the University like the Chamber Chorus, the folk dance group "Kuljus", the brass band and the student theatre. Besides amateur art collectives there are several other associations working in TUT such as the Photography Club and the student paper "Studioosus". Students looking to preserve the environment converge in the "Conserving Development Club".

## STUDENT ORGANISATIONS AT TUT

[www.tipikas.ee/esindus](http://www.tipikas.ee/esindus)

### STUDENT COUNCIL OF TUT

TUT Student Council is formed by an elected company of active and wilful TUT students, who stand for TUT being the best place in Estonia to become an engineer and find new friends. Student Council fends for university to take into consideration the opinions of students.

[www.eyl.ee](http://www.eyl.ee)

### THE FEDERATION OF ESTONIAN STUDENT UNIONS

The Federation of Estonian Student Unions (FESU) currently represents over 95% (64 460) of Estonian students. FESU's main goal is to represent student interests on a national level. The main issues are student rights, and educational and social issues.

<http://www.best.ee/eng/>

### BEST – ESTONIA

BEST - ESTONIA - Board of European Students of Technology in Estonia unites around 50 active students who organize more than 20 local and international projects annually.

[www.iaeste.ee](http://www.iaeste.ee)

### IAESTE

IAESTE is an international association of over 60 member countries which arranges paid course-related vacation training abroad.

[www.aiesec.ee](http://www.aiesec.ee)

### AIESEC

AIESEC is an international student educational organization engaged in student exchange for practice. Present in over 800 universities in 100 countries and territories, AIESEC provides its members with an integrated development experience comprised of leadership opportunities, international internships and participation in a global learning environment.

[www.estiem.org](http://www.estiem.org)

### ESTIEM

ESTIEM, the organization of European Students of Industrial Engineering and Management, was created to increase communication and cooperation between students and institutions of technology in Europe within the field of Industrial Engineering and Management (IEM).

# STUDENT SUPPORT SERVICES

**International Study Center will always help you with any questions or problems which may arise during your studies at TUT. ISC is your home away from home.**

## **Student tutor**

**The services that are provided to the international degree students of our University include:**

The tutors are a group of 2<sup>nd</sup>- and 3<sup>rd</sup>-year students who have volunteered to tutor as members of the International Club of TUT. Your tutors will be active, happy and helpful young people who will be ready to help you in all sorts of things: they will show you around the campus, guide you in the system of studies and show the practical side of living in Estonia. Tutors have an active roll in Orientation Days, events and other social activities arranged for international students. They are happy to help you in all problems you might have.

## **“Meet and Greet” Service**

To make sure your arrival in Estonia is safe, we can arrange a student tutor to meet you at the Tallinn airport, harbor, railway station or bus station. Just let us know the time and date in advance and the tutor can pick you up.

## **Orientation days**

In the beginning of each fall semester the University organizes Orientation Days for all international students. During Orientation Days you will get lot of practical information about studying in TUT and living in Estonia and Tallinn. You will get to know your fellow students, tutors, faculty, staff, the University buildings and the city of Tallinn. Traditionally Orientation Days end with a student party organized by tutors and student organizations. We will also provide you with a “Student Guide” where you can find all the necessary information about TUT, Tallinn and life in Estonia.

## **“Dish market”**

Every year right before the beginning of each fall semester TUT organizes a “Dish Market” for international students. At the beginning of fall semester, the university’s staff and faculty collect some dishes, cutlery and other domestic goods to help international students settle in. This initiative makes the life of the international students a bit easier at the time of their arrival—and since all the things at the market are free of charge, the student’s save some money too.

## **Accommodation**

Our staff at the International Study Center (ISC) will give support to international students in finding suitable accommodations while studying at TUT. There are two main options for arranging student accommodation in Tallinn:

On campus accommodation – students, who need University accommodation should notify their intent at the time of applying for admission. There are double rooms available, all fully furnished with a private bathroom and free Wireless Internet. The monthly rent in a shared room is approximately 100 EUR plus utility costs (water, energy, heating).

Private rooms and apartments for rent – the International Study Center can help you find accommodation in the city. Apartments are usually found through newspaper advertisements, the Internet or rental agencies operating in Tallinn. Prices depend on the apartment, the location and number of rooms.



**Hua Zhong**

Master of Industrial Engineering and Management. Age 24, China

“I received full support from the International Study Center with the admissions process. From the very beginning until my actual arrival to Tallinn, ISC was guiding me and patiently answering each and every question I had about visa questions, accommodations and more. It was such a great feeling to see a friendly face with my name board at the time when I arrived at the Tallinn airport as the “meet and greet” service was offered to me free of charge!”



**Sandra Cristina Valle Rios**

MBA  
Age 27, Mexico

“TUT is an excellent place to study, it has very good facilities and open minded teaching practices. The professors and the staff at TUT are very friendly and what makes it even better, the university is located in this beautiful country, in Estonia.”



**Lucia Riet de Mahhov**

TUT Counselor

### **Counseling service**

Adjusting to a new environment and culture is never easy. But there are ways how this process can be smoothed out. Talking to someone about the experience is one of such ways. TUT offers a Counseling Service free of charge to all interested. Ms. Lucia Riet de Mahhov has more than 20-year experience in clinical and organizational psychologies and she speaks almost 6 languages, including English, Estonian, Spanish, Italian, French.

### **Career services**

The Careers Service department at TUT contributes to the university wide quality assurance initiative. The Career Services department is committed to improving links between the university and society in order to improve graduate employability. Its mission is to provide free and confidential help to the students and graduates with their transfer to the working life.

Career Services also organizes special seminars especially for international students with an aim of providing international students with a better understanding of the corporate culture of Estonia.

# OTHER STUDENT SUPPORT SERVICES

Our students can enjoy the following services:

- **Individual consulting, counseling and practical help (CV, interview, job hunting strategies etc.)**
- **Information on the job market**
- **Vacancy information**
- **Career fairs and employer presentations at the University**

[www.ttu.ee/career](http://www.ttu.ee/career)



### **Exchange Programmes**

The students of Tallinn University of Technology can gain International experiences within exchange programmes. The staff at the International Relations Office is always ready to help you find a suitable partner university for a study period abroad.

Erasmus programme (EU citizens\* and students with permanent residence permit in one of the EU countries)

[www.ip.ttu.ee](http://www.ip.ttu.ee)



Scholarships and exchange in the frames of bilateral agreements

[www.iro.ttu.ee](http://www.iro.ttu.ee)



\*In addition, the students from Iceland, Liechtenstein, Norway and Turkey can participate in Erasmus programme.



# ADDITIONAL UNIVERSITY'S FACILITIES:

## Library

For most courses you will be provided study materials free of charge. This allows students to gain significant savings in book costs. In addition to that, the University library holds approximately 730 000 publications, about 600 current journals in print and more than 12 000 full-text journals in electronic form. The library has the biggest and the best technical and business related book collection in Estonia. In fall 2009 new library will be opened in the campus.

## Sport facilities

Tallinn University of Technology has a new and modern Sports Center right on the main campus area. You can join following activities:

- Tennis
- Basketball
- Aerobics
- Volleyball
- Indoor hockey
- Indoor rollerskating
- Ping-pong
- Athletic exercise – the centre has a big fitness hall with very good equipment

All clients have access to a personal trainer. At the Sports Center there is a small cafeteria where refreshments are served, a nice place to relax after exercising. It is also possible to have a massage at the Sports Center. The Sport Centre of TUT is also home to one of Estonia's most popular basketball teams, TTÜ KK. International Club of TUT organizes various sport tournaments on regular basis for international and local students. Besides indoor activities everyone is free to go jogging or skiing in the open air – the TUT campus is located in a very nice, green area of Tallinn.

## Computers on campus for students' use

Most departments in TUT have a computer room for students. In addition to these there are computers for public use at the University library and in the main building. All international students gain access to the multi-user computing facilities via their User Accounts. The Wireless Internet (WIFI) is available everywhere in TUT and it is free of charge.



**Olga Mikheeva**

BBA  
Age 21, Russia

"I have chosen TUT for getting bachelor degree because of its strong academic background and

history of 90 years. As a foreign student I like the University's open-minded international atmosphere and good services provided for students. Not only does TUT provide excellent academic quality but also the student services are great! TUT International Study Center is always there for their students, helping and supporting in all possible situations. It is important to count on someone while being away from home. I am really happy with the TUT international programme."



# ALUMNI

It is important for TUT to maintain contact and positive relationships with our alumni. To realize this aim the TUT Alumni Association has been founded. This is a voluntary non-profit organization. Each TUT graduate or student in his/her final year is eligible to become a member of the organization. The aim of the organization is to bring alumni together and organize joint events to promote cooperation, participate in different strategies, and more.

There are more than 1500 students graduating from TUT each year; in 2005 there was 1734 graduates, and in 2006 the figure was 1617. Our graduates are in demand in every sector of the economy in Estonia and all over the world. A significant number of our graduates are in leading positions in many Estonian and international companies. Graduates of TUT have also been successful in maintaining successful and challenging careers all over the world. This statement is true especially when it comes to graduates of our international degree programmes taught in English.



**Inga Teor**

MBA

Age 28, Estonia

Life has taken a major turn after completing International MBA program in TUT in Estonia. I completed a 2 year program in 1.5 years in TUT, where I was able to design my own study program. It was a very busy time for me as I continued working full time as Baltic's Business Planning Manager for a global company Mars Incorporated and traveled often for

business. Nevertheless, the hard work has paid off. After completing my MBA degree I was offered a promotion and an opportunity to work in Asia, as a Finance Manager for Asia Pacific region for Mars Drinks, a division of Mars Inc.

Having a MBA degree has opened a whole new set of doors for me with many more opportunities for a career development and enjoyment of working in a global company anywhere in the world. MBA program in TUT does not only give you the edge, but it gives you the self-confidence, knowledge and desire to succeed. Today's business leaders are looking for young and ambitious people, who are ready to work hard for what they want. MBA degree is just another way to prove to everyone that you are not only experienced manager but that your learning agility is high and you're ready to take on any new challenge that comes your way.



**Alberto Mario Severino Patino**

Master of Environmental Management and Cleaner Production

Age 28, Columbia

I lived in Estonia for 3,5 years, first working for AIESEC and then studying a M.Sc. in Environmental Management and Cleaner Production at TUT. My time at the university was simply great. The lectures were very interesting and we had very international atmosphere. Studying together with Estonian students gave me the chance to integrate myself better in the Estonian society. After my Master studies at TUT I have got a really good job at the CEMA headquarters of IBM in Vienna, Austria, all that thanks TUT!



**Name: Valdo Kalm**

- **Graduation from TUT: 1992**
- **Faculty: Information Technology**
- **Present position: General Manager, AS EMT (the leading Estonian mobile operator), General Manager, Eesti Telekom (a holding company whose subsidiaries provide telecommunications services)**

"I value the education I got from Tallinn University of Technology. The University has strong academic background and I believe in the quality of the education TUT provides. Working now in the leading mobile company in Estonia, I can say that graduates from TUT are always welcomed to join our team, EMT has very good cooperation with the University. I am also a member of TUT Alumni Association."

# 5 QUESTIONS ABOUT TALLINN



## Jixuan Pang

MBA

Age 24, China

"Estonia is a very attractive country. I really enjoy living in Tallinn. The cultural as well as the economic environment here is very inspiring. The city of Tallinn strikingly combines its medieval history with up-to-date technology. It is truly the place where East meets West."

## Anne-Liis Nolo

MBA

Age 28, Estonia

"Studying with students from 25 different countries in Tallinn is fantastic! I will definitely visit my friends in China and other countries even after we graduate."



## ? How can I get to Tallinn?

Tallinn, Estonia's capital city is only 80 kilometers south of Helsinki, across the Gulf of Finland. You can get here by plane, train and bus. You can depart from Tallinn's international airport and in 20 minutes be in Helsinki, or in less than two hours arrive at Stockholm, Copenhagen, Riga, Moscow, Berlin, or Vilnius.

## ? What is unique about Tallinn?

Tallinn is the meeting point of medieval heritage and high-tech. The jewel in Tallinn's crown is its medieval city centre, otherwise known as The Old Town where medieval buildings and sacred structures have been preserved nearly unchanged. On the other hand Tallinn is a modern and open city with tall buildings of glass and steel, illuminated signs of major international companies, a modern airport and passenger ports. In 2007 Tallinn was selected by the European Council to be the European Capital of Culture for the year 2011.

## ? What is the most recent invention in Tallinn?

Many information technology inventions have gotten their start from Tallinn. Skype is one of the best-known of several Tallinn IT start-ups. The New York Times has characterized Estonia as "a sort of Silicon Valley on the Baltic Sea." In fact, TUT is just 10 minutes away from Skype's office, so you will be having your lectures in a truly high-tech environment.

## ? How much will I save on living expenses in Tallinn?

Compared to Finland you would save approximately 400 EUR every month, 4800 EUR every year. as Tallinn offers a great value for

your money. Besides inexpensive tuition fees, living expenses are lower than in most other EU countries. Student accommodation prices in Estonia start from as low as 100 EUR per month and go up to 200 EUR per month. Usually students enjoy a comfortable life with around 250 EUR per month for food. Public transportation is available for students for as low as 20 EUR per month. Each student can determine other expenses individually depending on their needs.

	Estonia	Finland
Meals	200	320
Accommodation	100	350
Transportation	20	35
Miscellaneous	95	125
<b>TOTAL</b>	<b>415</b>	<b>830</b>

## ? What can I do in Tallinn other than study?

This largely depends on the time of year. Summer activities naturally include a lot of sunbathing on the beach. In Tallinn there are several beautiful sandy beaches, and water that may seem too chilly for a southerner is just right for any Estonian who wants to swim, play water polo or go windsurfing.

In winter snow abounds, so you can go sledging, skiing and snowboarding, which have become popular in Estonia. And if you feel a bit tired and just want to relax, you can go to one of our spas or some water parks to have a great time with your friends.

The Estonian restaurant scene is amazingly diverse, especially in Tallinn. There are Indian, Tex-Mex, Thai and Georgian restaurants, as well as Hungarian, Japanese, Chinese and Greek ones. There are numerous nightclubs with styles of music to fit every taste. So there are plenty of things to do with your spare time.

# 10 QUESTIONS ABOUT ESTONIA



## ? Where is Estonia?

Estonia is a small country located along the northeastern shore of the Baltic Sea, just below south of Finland. Because of its location Estonia is considered to be an important link between East and West..

## ? Is Estonia part of the European Union and the Schengen Zone?

Yes, Estonia is the a full member state of the European Union. At the end of 2007 Estonia joined the Schengen Agreement, which gives provides even a greater mobility amongst the European countries.

## ? Is Estonia the world's` smallest country?

Definitely not. With an area of 45 000 sq km, Estonia is larger for example than many European countries, like the Netherlands, Denmark, and/or Switzerland. Estonia stretches 350km from east to west and 240 km from north to south.

## ? Do Polar bears live in Estonia?

Although Estonia is situated in Northern Europe, the nearest polar bears live more than 2000 km further north. Despite the fact that there are no polar bears living in Estonia, our wildlife is quite abundant: wolves, bears, lynx, wild boars, elks and otters are all quite common.

## ? Does the sun ever shine in Estonia?

Much more than you could have imagined. Due to the White Nights phenomenon the sun sets around 11p.m. and rises at 4 a.m. in summer in Estonia. People in Estonia enjoy this period of the year a lot by spending time outside while grilling, swimming or just chilling in the parks, gardens or sandy beaches. The summers in Estonia are warm,, the temperature sometimes can reaching up to 32C degrees. The winters are moderately mild. February is usually the coldest;, the temperature can go below minus 20C degrees.

## ? Can Estonians elect the Prime Minister without leaving home?

Yes they can! And there is more: as since Estonia is an e-Republic, there are a lot of things people take care of can do using the Internet or cell -phones, and they don't even have to leave their homes: e-banking, e-parking, e-studying and e-voting are just some examples. Estonia's economy is one of the fastest growing in Europe and the country has been particularly successful in information and telecommunications technology: there are lots of public internet cafes and the majority of people have computers and access to the Internet.

## ? Are Estonians the oldest settled European peoples?

Yes they are. Estonians have been living here since approximately 2,500 B.:C. and that makes them the oldest settled of European peoples.

## ? What are Estonians like?

Estonians are third-generation city people at most, so all families have relatives living in the country. The somewhat reserved Estonian of the winter months undergoes a significant change in the summer: people start spending more time outside with their friends and relatives enjoying different activities, laughing and feeling relaxed. There is also a diverse international community in Estonia.

## ? Why should I got to Estonia for my studies?

- Estonia is a full member of the European Union and Schengen zone
- Great value of for your money and developed infrastructure
- Peaceful and well-organized European country with Northern spirit
- Country with dynamic economic growth
- International community and English language widely spoken

## ? After my studies in Estonia will I have a best friend in Brazil?

Possibly. Our international degree students come from nearly 30 different countries, Brazil, England, Japan and the Philippines are just a few of them. After graduating from TUT you'll don't have not only many Estonian friends but you'll have meet and goteten to know people from all over the world. Having friends and contacts from around the world can open many doors for you and to help lead to a successful career somewhere abroad.





# ESTONIA IN FACTS

<b>OFFICIAL NAME:</b>	Republic of Estonia
<b>GOVERNMENT TYPE:</b>	Parliamentary Republic
<b>TERRITORY:</b>	45 227 km <sup>2</sup>
<b>POPULATION:</b>	1 342 000
<b>OFFICIAL LANGUAGE:</b>	Estonian
<b>OTHER LANGUAGES:</b>	English, German, Finnish, Russian
<b>CAPITAL OF ESTONIA:</b>	Tallinn
<b>NUMBER OF ISLANDS:</b>	1 521, the biggest island is Saaremaa
<b>HIGHEST POINT:</b>	Suur-Munamägi (Great Egg Hill) 318 m
<b>BIGGEST LAKE:</b>	Lake Peipsi (Europe's fourth largest lake)
<b>CURRENCY:</b>	Estonian Crown (EEK), 1 EUR = 15,6466 EEK
<b>TELEPHONE:</b>	The area code is +372
<b>BANKS:</b>	Open mostly from 9.00-18.00 on weekdays, 9.00-15.00 on Saturdays
<b>GDP:</b>	\$15 478 per capita in 2007
<b>ESTONIAN INVENTIONS:</b>	Skype, Kazaa, Minox miniature camera, Schmidt's telescope
<b>NATURAL RESOURCES:</b>	Oil shale, peat, phosphorite, clay, limestone, sand, dolomite



"If someone would have told me five years ago that in 2008 I would be a student and a resident of Estonia, not only would I have doubted them, but I would have also had to Google the name of the country to see where exactly it is located. Now I am here in Estonia and loving every minute of it! The academic standards of the education system in this country are very high which makes my studies here high-quality. Studying Business Administration in Tallinn is exciting as you get the skills and knowledge right there in the fastest growing economy of the EU. The climate is not as harsh as I expected. There is also a very interesting phenomenon in the summer – "the white nights". Most of my friends back in Turkey don't even know that it is possible to have daylight nearly till midnight. Overall I am really happy with my choice of destination for studies abroad."

## Yavuz Zevgin

BBA


Age 21, Turkey





# APPLICATION FORM

Please use capital letters. Answer all questions completely. Attach additional sheets if necessary.

FOR OFFICIAL USE ONLY:							
Database		ENIC/NARIC					
Application fee		Faculty					
Transcript and diploma		Admission pack					
English Language test score		Tuition fee received					
Accommodation		Temporary Residence Permit Confirmation					
 1918 <b>TALLINNA TEHNIKAÜLIKOOL</b> TALLINN UNIVERSITY OF TECHNOLOGY						Photo	
Please admit me to the International Program at Tallinn University of Technology							
Academic year:		Semester:	Fall				
BACHELOR'S STUDIES:		MASTER'S STUDIES:					
International Business Administration		International Business Administration					
Law		International Relations					
International Relations		Cyber Security					
		Law					
		Industrial Engineering and Management					
		Environmental Management and Cleaner Production					
		Technology Governance					
		Health Care Technology					
		Materials and Processes of Sustainable Energetics					
LAST NAME (as written in the passport)							
FIRST NAME (as written in the passport)							
DATE OF BIRTH			SEX	Male		Female	
CITIZENSHIP							
HOME ADDRESS		(street, city, county, country, postal code)					
MAILING ADDRESS (if different from home address)		(street, city, county, country, postal code)					
PHONE		(home)	(mobile)		(work)		
E-MAIL							

<b>PERSON TO BE NOTIFIED IN CASE OF EMERGENCY:</b>					
<b>Name</b>			<b>Phone</b>	<b>E-mail address</b>	
<b>Address</b>			<b>Relationship</b>		
<b>ACCOMMODATION:</b>					
I will arrange my own accommodation in Tallinn					
I would like University's assistance in arranging my accommodation					
<b>I GOT INFORMATION ABOUT TALLINN UNIVERSITY OF TECHNOLOGY FROM:</b>					
Printed media		Internet		Education fair	
Brochure		Personal recommendation		Education Agent (name)	
Other:					
<b><u>AFTER FILLING OUT THE APPLICATION FORM PLEASE ATTACH THE FOLLOWING:</u></b>					
IELTS / TOEFL score report			<p><b><u>Send</u></b> the application form together with the above listed attachments to:  <b><u>INTERNATIONAL STUDY CENTER</u></b>  <b>Tallinn University of Technology</b>  <b>Ehitajate tee 5</b>  <b>Tallinn</b>  <b>19086</b>  <b>Estonia</b></p>		
Notarised copy of your diploma					
Academic records/transcript					
Copy of your passport					
2 photos (4 x 5 cm)					
Non-refundable application fee equivalent to 40 EUR					
<b>Date:</b>			<b>Signature:</b>		

# CAMPUS OF TALLINN UNIVERSITY OF TECHNOLOGY



## R. RECTOR'S OFFICE

### 1. BUILDING 1

Reception  
Main Hall  
Cafeteria  
Lockers  
Automatic cashpoint  
Telephone booths  
Department of Marketing and Communications office

### 2. BUILDING 2

Faculty of Information Technology

### 3. BUILDING 3

Faculty of Civil Engineering  
International Relations Office (1st floor)

Document Management Office  
Stationer's & Course Books  
Coffee and sandwich point

### 4. BUILDING 4

Faculty of Chemical and Materials Technology

Office of Academic Affairs  
Student Admission and Registry  
Copying  
Café  
Florist's  
4 C. Institute of Geology at TUT  
Geological Collections

### 5. BUILDING 5

Faculty of Mechanical Engineering  
Baltic Tours Travel Agent  
5 B. Finance and Management units

### 6. BUILDING 6

Open University  
Café  
AIESEC Student organization  
Best-Estonia Student organization  
Student Union

### 7. BUILDING 7

Faculty of Power Engineering  
Rector's Office  
University Council Hall

### 8. BUILDING OF NATURAL SCIENCE

Faculty of Science

### 9. HOSTEL

„Pallipõnn“ Kindergarten

### 10. HOSTEL UNDER RENOVATION

11. / HOSTEL  
„Eva“ Student Pub  
„Batter“ Grocery  
Association of Estonian Evangelic Students

### 12. FAMILY HOSTEL

### 13. ACADEMIC HOSTEL

### 14. HOSTEL

15. HOSTEL  
TTÜ Üliõpilasküla Student Village of TUT

### 16. IT BUILDING

Faculty of Information Technology  
IT Continuous Education  
Café

### 17. LABORATORY BUILDING OF CIVIL ENGINEERING

## 18. IT COLLEGE

## 19. TECHNOLOGY PARK

## 20. BUILDING OF CYBERNETICS

Institute of Cybernetics at TUT  
Institute of Marine Systems at TUT

## 21. BUILDING OF WOODWORKING

Chair of Woodworking

## 22. STADIUM

## 23. BUILDING OF TEXTILE TECHNOLOGY

Division of Design  
Chair of Textile Technology

## 24. SPORTS COMPLEX

## 25. LIBRARY

## 26. BUILDING

Faculty of Social Sciences  
School of Economics and Business  
Administration



TALLINN UNIVERSITY OF  
TECHNOLOGY

1918

**Tallinn University of Technology**  
International Study Center

Ehitajate tee 5  
19086 Tallinn  
Estonia

Phone +372 620 2022  
Fax +372 620 2020  
[study@ttu.ee](mailto:study@ttu.ee)

[www.ip.ttu.ee](http://www.ip.ttu.ee)  
[www.ttu.ee](http://www.ttu.ee)

