Merit Huopolaainen
MSc student at UT
Institute of Chemistry
The high quality of education at the University of Tartu and practical experience I gained through internship have enabled me to get a job already in the second year of my master studies here. I now work for the Food Monitoring Laboratory of Estonian Health Protection Inspectorate.

Erko Jakobson
PhD student at UT
Institute of Physics
UT Testing Centre provides calibration and measurement services to industry enterprises and has regular contacts with laboratories around Europe. I believe I get first-class hands-on education here and have great career prospects and job opportunities.

Measurement Science
- Physical and chemical measurements
- Quality systems
- Economic and legal aspects
- Internship

Excellent international career prospects:
- R&D departments of major companies
- Chemical industry labs
- Pharmaceutical industry labs
- Health and environmental protection agencies
- Food processing and manufacturing quality assurance labs
- Certification, standardization and accreditation authorities
- National Centers and Institutes of Metrology
- Academic career and PhD studies

Master of Science in Engineering –
Applied Measurement Science
http://www.ut.ee/ams

Instruction in English
International teaching staff
Program duration – 2 years
Possibility of credit transfer

Only for students admitted in 2008!
FREE TUITION + monthly stipend
see back for details
Who should apply to the program:
- Graduates with Bachelor’s degrees in physics, chemistry, materials science, natural sciences, engineering, technology or medicine.
- Practitioners in analysis and measurement laboratories who are facing the fast development of analytical methods and new regulations (Quality systems, ISO 17025 accreditation, etc.).
- Personnel of laboratories, accreditation, certification and inspection agencies.
- Quality managers in various industries.

General admission requirements:
- Bachelor’s degree (or equivalent) in the field of exact or natural sciences, technology, engineering or medicine.
- Applicants must have completed 18 ECTS in physics or chemistry in prior learning periods (minimum eligibility requirement for application is 60% of the maximum grade available).
- English language requirement: International applicants for whom English is not a native language need to provide proof of English language proficiency. One of the following is accepted: TOEFL 550 or higher (computer based–213, internet based-79/80); IELTS 6.5; Cambridge Certificate of Proficiency in English – C; Cambridge Certificate in Advanced English – B.

NB! Before applying please check for current information at www.ut.ee/studentoffice/studies/ma/english

Application process:
1. Download the appropriate application forms from www.ut.ee/64491 or request them from studyinfo@ut.ee
2. Mail the application with all the necessary documents by indicated deadline to: International Student Service, University of Tartu, Ülikooli 18, Tartu 50090, ESTONIA

Documents to be submitted:
- application form for Master’s studies;
- application form for assessing prior learning;
- copy of the Bachelor’s diploma (or highest preceding study level) and diploma supplement (transcript/mark sheet) in the original language (a copy certified by the educational institution issuing the document or a notarised copy);
- official translation of the diploma and diploma supplement (transcript/mark sheet) into English, translation certified;
- certified copy of the upper secondary school certificate and a list with grades (non-EU applicants only);
- official translation of the upper secondary school certificate and a list with grades into English, translation certified (non-EU applicants only);
- official test results of English language proficiency;
- copy of the valid identification document;
- CV (for applicants requesting recognition of prior work experience).

All applicants will receive a confirmation upon receipt of their application and its status. Complete applications will be considered by the Admission Commission and students accepted to the program will be notified of their admission immediately (no later than June 15).

NB! Before applying please check for current information at www.ut.ee/studentoffice/studies/ma/english

Application deadline:
- May 1 - non EU applicants
- June 1 - EU applicants

Curriculum structure:

<table>
<thead>
<tr>
<th>Component</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory module</td>
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<tr>
<td>Elective courses</td>
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<tr>
<td>Optional subjects</td>
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<td>Practical placement</td>
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<tr>
<td>Master’s thesis</td>
<td>30</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>120</strong></td>
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Compulsory courses:
- General Metrology
- Metrology in Chemistry
- Practical Physical Measurements
- Mathematical Statistics for Measurements
- Practical Chemical Analysis Methods
- Quality Systems
- Lab Classes in Practical Physical Measurements and Calibrations
- Lab Classes in Chemical Analysis and Metrology in Chemistry

Elective courses:
- Materials Testing
- Structural Analysis
- Biochemical Measurements
- Environment and the Measurements
- Electrochemical Measurement and Analysis Methods

Language of instruction: English

Program duration: 2 years
- possibility of credit transfer is available to graduates with a 4-year Bachelor’s diploma or equivalent;
- recognition of prior work experience is available to applicants with substantial work experience in the field.

Internship:
During the program students will be placed in companies and laboratories like Metroset AS, Estiko AS, Mayeri Industries AS, Laboratories of the Estonian Health Protection Inspectorate, Estonian Veterinary and Food Laboratories, State Agency of Medicines, Estonian Accreditation Centre. Internships last 4-6 weeks and are intended for participants to gain practical experience.

Tuition fees and scholarships:
Students admitted in the Autumn 2008 will pay NO TUITION FEE for the whole two year program. Their studies will be financed through a special project of the Estonian Ministry of Education and Research. In addition, a STIPEND of 255 EUR/month will be granted to several students with the best academic standing. Regular program fee is 4430 EUR/year and covers tuition, teaching materials, supervision and advising of thesis preparation.

Teaching staff:
Lectures and courses in the program are delivered by some of the leading Estonian and European experts: prof. Ivo Leito, Estonian national representative at EUROMET-MetChem; prof. Paul De Bièvre, Editor-in-chief of Accreditation and Quality Assurance journal; prof. Nineta Majcen, Director of the Slovenian National Metrology Institute; prof. Philip Taylor, Head of the Isotope Measurements Unit of the IRMM.

To get more information:

<table>
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<tr>
<th>University of Tartu</th>
<th><a href="http://www.ut.ee">www.ut.ee</a></th>
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<tr>
<td>Admissions</td>
<td><a href="http://www.ut.ee/studentoffice">www.ut.ee/studentoffice</a></td>
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<td>Tartu</td>
<td><a href="http://www.tartu.ee">www.tartu.ee</a></td>
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<tr>
<td>Estonia</td>
<td><a href="http://www.visitestonia.com">www.visitestonia.com</a></td>
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Address for inquiries:

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