Oulu
The Capital of Northern Skandinavia
65°01 N, 25°48 E
200 km from The Arctic Circle
• over 200,000 inhabitants
• 800 high-tech companies
• 18,000 high-tech jobs
• Smart City awards
• vivid and variable ICT ecosystem
• training and master’s thesis possibilities in local industry
Every day more than 2.6 billion people utilize technology developed in Oulu.
Living in Oulu as a student
"One of my favourite things to do in Oulu is to see the midnight sun going down."

Sebastian Teatini
Brazil
“I had a great time in Oulu! It was maybe the best thing I have ever done in my life. I learned a lot in Oulu, not only academically but also socially. I would recommend it to anyone.”

“The Kummi family programme is excellent. It makes you feel very settled and welcome.”

“Cold and dark – but I loved it !!!”
Sport Activities
Student Guild
500-600 EUR/month

• personal living costs in Oulu from
109 EUR/year

• UniOulu student union membership
  - including health care
Affordable accommodation around Oulu

• from shared apartments to studios
• student housing foundation PSOAS or the private sector
Science University

• Technology
• Humanities
• Education
• Science
• Medicine & Health
• Economics & Business
Focus Areas

• creating sustainability through materials and systems
• molecular and environmental basis for lifelong health
• digital solutions in sensing and interactions
• earth and near-space system and environmental change
• understanding humans in change
Digital Solutions in Sensing and Interactions

• digitalization for everyone
• densing and ubiquitous wireless sensor systems
• future information infrastructures
• aspects of technology integrated with adoption by complex human groups, communities and societies
ICT Research and Education Spectrum

MACHINE VISION
OPTICAL & VISUAL MEASUREMENTS
PARTICIPATORY DESIGN
COMMUNITIES & PRACTISES
EMPIRIC SOFTWARE ENGINEERING
PRINTED INTELLIGENCE
DATA MANAGEMENT
UBIQUITOUS ENVIRONMENTS
DATA ANALYTICS
SOFTWARE ARCHITECTURES
SENSORS

ICT ELECTRONICS COMPONENTS
5G RADIO
PERSUASIVE SYSTEMS
HUMAN COMPUTER INTERACTION
SOFTWARE ENGINEERING
• 15 600 students
• 1 200 international students
ECTS accredited

Awarded to the top 2% of European universities
International Student Satisfaction Awards 2016: Winning Countries

- Norway: 9.26
- Ireland: 9.19
- Poland: 9.09
- Finland: 9.07
- United Kingdom: 9.05
- Slovenia: 9.01
- Sweden: 8.98
- Denmark: 8.97
# Overview of awarded Finnish Universities

<table>
<thead>
<tr>
<th>Finland</th>
<th>Reviews</th>
<th>Score</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Tampere</td>
<td>25</td>
<td>9,5+</td>
<td>Outstanding</td>
</tr>
<tr>
<td>Aalto University</td>
<td>24</td>
<td>9+</td>
<td>Excellent</td>
</tr>
<tr>
<td>Haaga-Helia University of Applied Sciences</td>
<td>23</td>
<td>9+</td>
<td>Excellent</td>
</tr>
<tr>
<td>University of Eastern Finland</td>
<td>37</td>
<td>9+</td>
<td>Excellent</td>
</tr>
<tr>
<td>University of Jyväskylä</td>
<td>52</td>
<td>9+</td>
<td>Excellent</td>
</tr>
<tr>
<td>University of Oulu</td>
<td>30</td>
<td>9+</td>
<td>Excellent</td>
</tr>
<tr>
<td>Tampere University on Applied Sciences</td>
<td>85</td>
<td>8+</td>
<td>Very good</td>
</tr>
<tr>
<td>Turku University of Applied Sciences (TUAS)</td>
<td>26</td>
<td>8+</td>
<td>Very good</td>
</tr>
<tr>
<td>University of Helsinki</td>
<td>63</td>
<td>8+</td>
<td>Very good</td>
</tr>
<tr>
<td>University of Turku</td>
<td>37</td>
<td>8+</td>
<td>Very good</td>
</tr>
<tr>
<td>University of Vaasa</td>
<td>27</td>
<td>8+</td>
<td>Very good</td>
</tr>
</tbody>
</table>

• in computer science UniOulu ranked among the best 100 universities (# 98)
• generally UniOulu among the best 201-250 universities in the world
Student Exchange in University of Oulu
Over 600 exchange students from all over the world every year.
Finnish and international students in the same groups
Student Exchange Application

Home university nominates student by sending an e-mail to international.office@oulu.fi
Information on Exchange Nominations

• student’s name
• gender
• date of birth
• e-mail address
• planned exchange dates
• type of exchange: study or internship/placement
Nominations should be sent at least two weeks before the application deadlines
Student Exchange

Deadlines

- April 30 for autumn term and full year exchanges
- October 15 for spring term exchanges
Finnish Speaking Degree Programmes

International Master’s Programmes
Finnish Speaking Degree Programmes

Only if you have Bachelor’s Degree from a Finnish science university or university of applied sciences
Finnish Speaking Degree Programmes

Electrical Engineering
• Electronics Design
• Electronics, Materials and Components
• Photonics and Measuring Technology
• Communications Engineering

Information Processing Science
• Information Systems
• Software Engineering

Computer Science and Engineering
• Information Processing Engineering
• Applied Computing
• Embedded Systems
Master’s Degree

• 2 years
• 120 credits ECTS
International Master’s Programmes

• well-designed programme structures
• top class teachers with well-rounded teaching methods
• possibility to continue to doctoral degree
Eligibility and language requirements

• http://www.oulu.fi/university/masters/eligibility
First Year

• fee for all students by a scholarship provided by University of Oulu
Second Year

• scholarship for students collecting more than 55 credits during the first year
MSc in the Field of ICT

• opens doors all over the world
• widely renowned ICT study programs have strong emphasis on international research and cooperation
In the Field of ICT

• good reputation for teaching excellence and world-class research
• internationally recognised
• relevant skills and core knowledge of the latest methods, tools and technologies
International Master’s Programmes

CSE
International Master’s Programme in Computer Science and Engineering

BME
International Master’s Programme in Biomedical Engineering: Signal and Image Processing

WCE
International Master’s Programme in Wireless Communications Engineering

GS3D
Master’s Programme in Software, Systems and Services in the Global Environment

EMSE
European Master in Software Engineering
CSE

- research-oriented degree programme in computer science and engineering in a leading-edge research environment
- flexibility to choose between two specialisation options: Computer Vision and Signal Processing, and Ubiquitous Computing
• interdisciplinary programme structure and contents based on the most recent international recommendations for biomedical engineering education

• focus on biomedical signal processing, biomedical imaging and image processing, and other related technologies
WCE

- covers the essential areas and topics of wireless communications
- prepares for doctoral studies
- integrated to research groups and to wireless telecommunications industry
- essential knowledge on the research and design of wireless communications networks at the system level for future wireless applications like 5G
• offers a solid foundation of software engineering and information systems methods and technologies

• provides competence to work as experts and managers in global ICT companies

• teaches skills to lead multicultural teams, projects and units
EMSE

• a double degree programme in *software engineering* between four European universities (Bozen/Italy, Oulu/Finland, Kaiserslautern/Germany and Madrid/Spain)

• EMSE students gain a solid knowledge to work as managers or IT specialists in software companies, or applied researchers in academia
Welcome to the Faculty of Information Technology and Electrical Engineering!