EIT ICT Labs Master’s program
Embedded Systems
Special features
• 1st and 2nd year of the program at different universities in different countries
• Standardized education on innovation and entrepreneurship integrated with high-quality technical program
• MSc degree from two European top universities + EIT ICT Labs certificate
• EIT ICT Labs funded international events (kick-off, summer school), allowing you to build an international network already during your studies
• Extensive scholarship program

Degree
• Master of Science (MSc) degree from two universities;
  Dutch: Ingenieur (ir)
• EIT ICT Labs certificate

Language
English.

Program structure (120 ECTS)
1st year (TU Berlin, TU Eindhoven, KTH Stockholm)
• technical common base courses: 25 ECTS
• innovation and entrepreneurship courses: 24 ECTS
• electives: 11 ECTS
• specialization courses: 15 ECTS
• electives: 9 ECTS
• innovation and entrepreneurship thesis: 6 ECTS
• MSc thesis: 30 ECTS

Technical common base at TU/e
• embedded computer architectures
• embedded systems lab
• system validation
• real-time systems
• quantitative evaluation of embedded systems

2nd year specializations
• embedded multicore programming (TU Berlin)
• embedded networking (TU Eindhoven)
• embedded platforms and internet of things (KTH Stockholm)
• mobile cyber-physical systems (Aalto Helsinki)
• real-time systems and design of cyber-physical systems (UNITN Trento)
• energy efficient computing (TUCS Turku)

Graduation project
The graduation project consists of an internship in a company with a technical assignment leading to an MSc thesis and a business assignment leading to an innovation and entrepreneurship thesis

Innovation and entrepreneurship module (31 ECTS)
• basic course on innovation and entrepreneurship: 5 ECTS
• business development project: 10 ECTS
• summer school: 4 ECTS
• innovation and entrepreneurship thesis: 6 ECTS
• elective: 5 ECTS
• winter school: 1 ECTS

Admission requirements
• BSc in Computer Science, Electrical Engineering, or related discipline
• Cumulative Grade Point Average (CGPA) of at least 75% of the scale maximum
• Proof of English Proficiency through
  • IELTS 6.5 (no section lower than 6), or
  • TOEFL internet based 90 (writing section 22), or
  • University of Cambridge Certificate of Proficiency in English (CPE) grade A/B/C
Admission is via the application portal of the EIT ICT Labs master school (msapplication.eitictlabs.eu).

Scholarships and tuition fees
For all EU/EEA and Swiss citizens EIT ICT Labs waives tuition fees, offers a one-time travel and installation support of up to 3000€, covers costs related to international events integrated into the curriculum. On top of that, excellent students can be nominated for a 500€ monthly allowance.

For non-EU/EEA or Swiss citizens, tuition fees are 8000€ per year. EIT ICT Labs does cover costs related to international events integrated into the curriculum, and has several scholarship packages for excellent students including tuition fee waivers, one-time travel and installation support, monthly allowances.

More information