

Double Degree MSc Program in Computer Science and Engineering Toyohashi University of Technology and University of Eastern Finland (TUT-UEF)

If you are a UEF student in Computer Science or an IMPIT student starting studies in September 2018, there is a new opportunity to earn two Master's degrees.

The basics of the program:

- earn the MSc degree in Computer Science from the University of Eastern Finland AND the MEng degree in Computer Science and Engineering from the Toyohashi University of Technology,
- the first cohort start studies in September 2018 at UEF,
- the program lasts two years,
- studies include one academic year at the UEF and one academic year at the Toyohashi University of Technology in Toyohashi, Japan,
- the program is run in close collaboration with the Japanese companies,
- the studies include a three months internship in Japan,
- two years full time studies, to be eligible to continue for internship in Japan and second year at Toyohashi University of Technology, student needs to earn 55 ECTS during the first academic year.

The curriculum

The curriculum of the studies fulfill the Master's degree requirements in both universities and it follows their curriculum. The studies taken in Japan, will be accepted as a part of the curriculum at UEF and vice versa. The basic requirements are:

UEF	ECTS	TUT	ECTS
Personal study plan	1	General subject courses	4
Design and Analysis of Algorithms	6	Elective courses	2
Research Methods in Computer Science	6	Seminar for CS & eng 1	8
Seminar for international students	3	Seminar for CS & eng 2	4
IT project	15	MSc thesis	30
Introduction to research and scientific literature	10	Industrial intership	12
Elective courses	17		
English	2		
Total:	60	Total:	60

Note! The credit unit systems, ECTS at UEF and cu at TUT, are different. Therefore, you can not compare directly the ECTS with the cu.

The main difference in this double degree program compared to the normal UEF MSc studies is the inclusion of the MSc thesis project. The MSc thesis work follows the Japanese system, where the student, when starting the two years Master's studies, starts working toward MSc thesis from the beginning of the studies. Hence, in this double degree program the MSc thesis topic is defined during first two weeks of the program and the work for the thesis starts. The

thesis will be supervised by two supervisors, one from each university and if the topic is industry defined, there will be an advisor from the company as well.

The MSc thesis project includes an internship, which will give you a real world view into the thesis topic. During the internship you will work either in the Japanese company, which offers the MSc thesis topic or in a Japanese research laboratory.