

# Spend a semester in Finland: PROFESSIONAL STUDIES IN TECHNOLOGY

- Exchange programme in the fields of Automation Engineering, Construction Engineering, Information Technology and Mechanical Engineering
- Offered by the School of Technology of Seinäjoki University of Applied Sciences

## What is the programme all about?

School of Technology of Seinäjoki University of Applied Sciences (SeAMK) offers professional studies in English in the fields of Automation Technology, Construction Engineering, Information Technology, and Mechanical Engineering. Also studies in the field of Construction Engineering and Electrical Engineering and Electronics are available. Additionally, some degree programmes offer joint professional studies and the students are free to combine the professional studies of the various degree programmes. The studies consist of general studies and professional studies, as well as possibilities for doing thesis work and projects.

## Prerequisites and timetable:

The basics of the studies of the respective degree programme and sufficient competence in English language are essential. The applicants should be students enrolled at a partner institution of SeAMK.

Studies begin on 19 February 2018 and end on 25 May 2018. Application deadline for all exchange students is 15 November 2017. Before the application time, the partner institutions make nominations by email to [incoming@seamk.fi](mailto:incoming@seamk.fi).



[www.seamk.fi/exchangeprogrammes](http://www.seamk.fi/exchangeprogrammes)

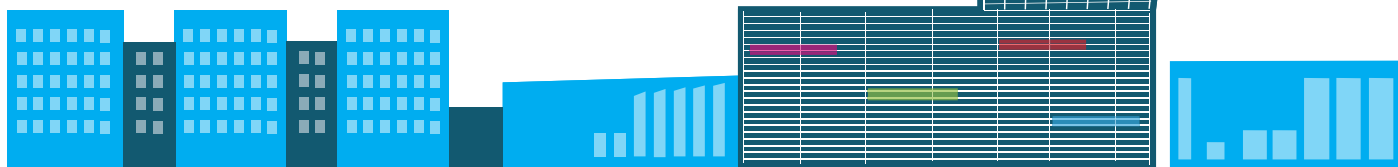
## STUDENT EXCHANGE CONTACT PERSONS:

### Ms Tiina Ojanperä, Coordinator

Incoming student exchanges from European countries  
[tiina.ojanpera@seamk.fi](mailto:tiina.ojanpera@seamk.fi)

### Ms Maria Loukola, Coordinator

Incoming and outgoing student exchanges outside Europe  
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[www.seamk.fi](http://www.seamk.fi)

## COURSE OFFERING

(Please note that changes in the programme are possible. The final Learning Agreement is always compiled with the programme coordinators after an approved application process.)

### Autumn semester

4 September – 15 December 2017

#### Information Technology

- Embedded Systems, 4 ECTS

#### Electrical Engineering and Electronics

- Basics of Digital Technology, 4 ECTS
- Digital Signal Processing, 4 ECTS
- Basics of Electronics, 3 ECTS
- Advanced Electronics, 3 ECTS

#### Mechanical Engineering

- Automotive Laboratories, 4 ECTS
- Computer Aided Manufacturing, 2 ECTS
- Laboratory Assignments in NC Technology, 3 ECTS
- Production Management, 3 ECTS
- Production Simulation, 4 ECTS
- Mechanical Drawing and CAD, 5 ECTS

#### Automation Technology

- Machine Automation 1, 4 ECTS
- Laboratory Assignments in Automation 1, 4 ECTS
- Control Engineering, 3 ECTS
- Robotics, 4 ECTS

#### Construction Engineering

- BIM (Building Information Modelling), 3 ECTS
- Steel Structures 1, 5 ECTS
- FEM (Finite Element Method), 3 ECTS
- Log Construction, 2 ECTS
- Construction Laboratories, 5 ECTS
- Concrete in Harsh Conditions, 3 ECTS
- Timber Structures 1, 5 ECTS

#### Business Studies

- Quality Management, 3 ECTS

#### Languages and Communication

- Finnish Language and Culture, 3 ECTS
- Intercultural Communication, 3 ECTS
- Technical English, 3 ECTS
- English Speaking Practise, 2 ECTS

### Spring semester

19 February – 25 May 2018

There is some flexibility in the programme dates for individual participants, especially regarding tailored projects. This is agreed between the coordinators of the sending institution and SeAMK during the nomination phase. The workload per semester is approximately 30 ECTS credits.

#### Information Technology

- C++ Programming, 4 ECTS
- Object-oriented Programming, 4 ECTS

#### Electrical Engineering and Electronics

- Laboratory Assignments in Electronics, 3 ECTS

#### Project Studies

- Software Project, 3-6 ECTS, depending on project
- Project Workshop, 2-4 ECTS

#### Languages and Communication

- Finnish Language and Culture, 3 ECTS
- Technical English, 3 ECTS, 2.1.2018–25.2.2018
- English Speaking Practice, 2 ECTS

- In addition, students can choose courses from Programme 'Gateway to International Business'

#### General Timetable of the Program

- Week no 8: Orientation week starts 19th Feb. + some classes
- Week no 9 (starts 26th Feb): holiday week in School of Technology

