# Scholarships for HCMUT/HCMIU students

**Do you want to have a semester in Norway taking courses or doing your master project within Micro and Nano Systems Technology or Embedded Systems? University College of Southeast Norway can offer exchange scholarships for 6 HCMUT/HCMIU students for the autumn semester 2018.**

University College of Southeast Norway (HSN) is a multi-campus institution offering master programmes in **Micro and Nano Systems Technology** and **Embedded Systems**. Students from HCMUT and HCMIU are welcome to apply for an exchange period autumn semester 2018 at one of these programmes. More information about the programmes can be found if you click on the links above. When applying, the student should list the courses he or she wants to follow. Be aware that only courses from **one** programme can be selected as they are offered at different campuses. If interested in doing a project at HSN please indicate that in your application. The list of courses can be found below.

**General Requirements**

Applicants must

- be enrolled as a master student in Electronics and Telecommunication graduate programs at either Ho Chi Minh City University of Technology (HCMUT), Faculty of Electrical & Electronic Engineering or International University, Ho Chi Minh City (HCMIU), School of Electrical Engineering. Applications from other departments/schools may also be considered.
- have a cumulative grade point average in the BSc grade equivalent to, or better than, 7.0 in the VN grading system.
- provide proof of English proficiency. HSN accept IELTS with a minimum overall score of 6.0 (Academic test) or TOFEL with a minimum score of 550 (paper based), 213 (computer based) or 80 (internet based).

**Academic Requirements**

- **Micro and Nano Systems Technology**: BSc in Engineering in micro/nano systems technology, electrical/electronic engineering, mechanical engineering, chemical engineering, bioengineering, physics or materials science. In the bachelor degree, the student should have completed at least 25 ETCS in mathematics, a course in electrostatics/electromagnetism and a basic course in analogue electronics.
- **Embedded Systems**: BSc in Engineering within either Computer Science or Electrical Engineering. Knowledge of object-oriented programming is an advantage.

**How to apply?Application Deadlines and Application Form**

Well ahead of the application deadline **15 April 2018,** you need to be nominated by the local representative (see contact information below) to have access to the online application web. Kindly upload the following documents with your application (all in English):

- Application Form
- Transcripts from your bachelor degree and completed courses at master level
- Letter of Motivation
- English proficiency test

**Interview**

Qualified applicants will be called for interviews shortly after the application deadline.

**What Does the Scholarship Cover?**

Selected students will be granted an amount not exceeding NOK 62 500 for the exchange to University of Southeast Norway (HSN) for the autumn semester 2018. The exchange is part of NORPART partnership program between HSN and HCMUT/HCMIU. The award will cover travelling expenses, insurance, visa cost, housing and living expenses in the duration of the student exchange.

**Contact Persons**

HCMUT: Cuong Huynh, hpmcuong@hcmut.edu.vn
HCMIU: Ngoc Truong Minh Nguyen, nntminh@hcmiu.edu.vn
HSN: Kristin Imenes, programme manager, kristin.imenes@usn.no

**Available courses**

## Micro and Nano Systems Technology Campus Vestfold


Applied Mechanics (10 credits)
Applied Mathematics (5 credits)
Material Science (10 credits)
Semiconductor Device (5 credits)
BioMEMS (10 credits)
Micro Sensors and Actuators (10 credits)
Packaging Technology (10 credits)
Sensor Interface (10 credits)
Functional Materials and Nanotechnology (5 credits)
Energy Harvesting (5 credits)
Optics for Micro- and Nano- Technologies (5 credits)
Acoustics and Ultrasound Technology (5 credits)
Heat&Mass Transport in Nano&Micro Systems (10 credits)
Advanced Piezoelectricity (10 credits)
Master Project (30 credits)

The student is given a specialized task within science and/or engineering. The student is expected to work independently, acquire knowledge from various sources, including textbooks and scientific literature, evaluate the results critically, and present the results in a thesis report. The work will be documented scientifically through a written thesis according to recognized guidelines. The project is carried out over a predetermined period and ends with an oral presentation of the work.

## Embedded Systems Campus Kongsberg


Embedded System Modelling using UML (10 credits)
Objected Oriented Embedded Systems programming (10 credits)
Safety Critical Systems (10 credits)
Modern Embedded system programming (10 credits)
Research Methods (10 credits)