



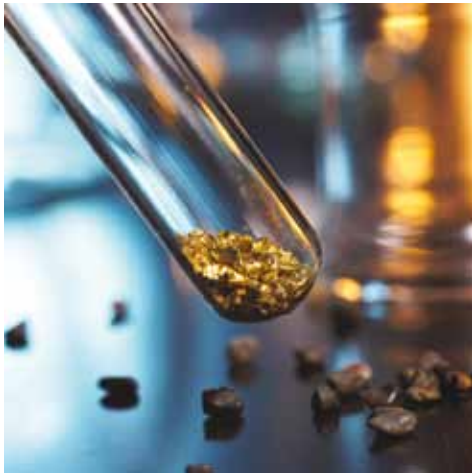
Saimaa
University of Applied Sciences

BACHELOR OF ENGINEERING

Insinööri, AMK

Degree Programme
in Chemical Engineering
Imatra, Finland

Would you like
to become an expert in
chemical engineering and
forest biotechnology?



Duration and extent of studies

3.5 years (including summer semesters)
240 ECTS credits, including 30 ECTS credits of placement

The aim of the degree programme in Chemical Engineering is to provide students with the skills necessary to work in independent managerial, planning, consulting, technical sales and expert positions in the chemical and process industries as well as forest biorefineries. The degree programme has been built in close cooperation with the industry.

A Bachelor of Engineering in Chemical Engineering can work e.g. as a product engineer, product development engineer, sales engineer and purchaser, supervisor, manager and consultant.

The students become acquainted with

- unit operations in the chemical and process industries
- forest biorefineries
- environmental issues and sustainable technology
- physical or chemical phenomena
- equipment in the chemical and process industries, and plant design

They also focus on

- various mill concepts
- production lines
- mill operations and departments
- operation systems and processes
- automation and electrical planning.

Plant design systems, process modelling and simulation are studied and practised.

Process technology, heat and mass transfer, modelling with state-of-the-art design systems, automation, applied chemistry, physics and mathematics are examples of the study courses.

The studies also include management and economics. Extensive placement periods in the industry form an essential part of the studies. Students have the opportunity to prepare their B.Sc. thesis to meet the needs of the industry. The language of instruction is English.

Cooperation agreements

The Saimaa University of Applied Sciences has signed cooperation agreements with Stora Enso Ltd, UPM-Kymmene Ltd, Jaakko Pöyry Group and PIRA International.

We have cooperation with domestic and foreign universities and universities of applied sciences. Our students can choose courses at other institutions, as well.

We focus on work-related competence and problem solving

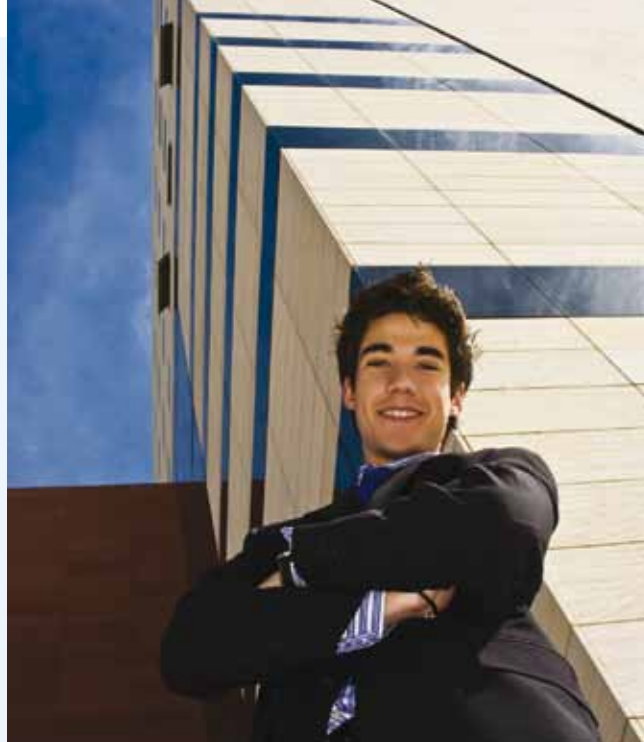
Teamwork, collaborative networking and job-related problem solving form an essential part of the studies. Students are encouraged to look at matters from various aspects, and to gather and produce information independently.

Modern laboratory

The Saimaa University of Applied Sciences has currently invested in the facilities and equipment of its process laboratory in Imatra. At the beginning of 2006 a laboratory building of about 1400 m² was completed and the equipment was updated. The laboratory's new digital printing machine makes it possible to take on development challenges in paper manufacture and state-of-the-art technologies.

How to apply to the Saimaa University of Applied Sciences

Applying for the Degree Programme takes place through the Finnish system of joint application. Prospective students can apply for four different degree programmes at universities of applied sciences using the same application form. The application form can be submitted online at www.admissions.fi or sent by post to the admissions office of the applicant's first-choice university of applied sciences.



An entrance exam is a part of the application process. The exam is arranged in Finland, but additional exams can be arranged abroad.

Eligibility for studies at a university of applied sciences depends on completing the Finnish Matriculation examination or upper secondary examination, European Baccalaureate, International Baccalaureate or Reifeprüfung examination, vocational qualification of three years or more in duration, a foreign degree or qualification which gives eligibility for higher education in the awarding country. A vocational qualification of less than three years in duration gives eligibility to a corresponding field of study.

The Saimaa University of Applied Sciences in Southeast Finland

Located in Southeast Finland, the Saimaa University of Applied Sciences is a higher education institute offering Bachelor's degrees in the following faculties: Technology, Business and Culture and Health Care and Social Services. We provide also Master's Degrees in International Business Management (in English), Civil Engineering, Health Promotion and Cultural Innovation. We have about 3 000 students and our units are located in the cities of Lappeenranta and Imatra.

The Saimaa University of Applied Sciences offers Bachelor's degrees in English in the fields of Mechanical Engineering and Production Technology, Chemical Engineering, International Business and Hotel, Restaurant and Tourism Management.



CONTACT INFORMATION

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Technology, Student office in Imatra

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