South-Eastern Finland University of Applied Sciences  Xamk
What is a University of Applied Sciences?

• A university that gives mainly bachelor’s degrees
  Professionally oriented, more practical than academic universities
• In Finland there are 25 UASs, in which 8 fields of study, 40 degrees
• Graduates are employed as experts, in design, development and leadership positions
Xamk - Finland's 5th largest UAS

- XAMK is Finland's fifth largest university of applied sciences
- 9000 students and a staff of 750 persons
- 1700 graduates per year
- 60 degree programmes at the bachelor’s level
- 23 degree programmes at the master’s level
Campuses

- Mikkeli
- Savonlinna
- Kouvola
- Kotka
Mikkeli campus
Campus library

Campus gym

Campus lunch

HVAC lab
Building services engineering as a specialisation

For comfortable and safe indoor environment we need:

• Heating, ventilation and air conditioning systems
• Water supply and sewage systems
• Electrical and building automation systems

These systems need:

• HVAC engineering such as planning, installation, and maintenance
What is a double degree?

YOU GET TWO DIPLOMAS:

1. A diploma from your home University
2. A diploma from Xamk
   - Bachelor of Engineering, BEng
   - Specializing in Building Services Engineering
DOUBLE DEGREE IN XAMK (240 credits)

1. Credits accepted from your own University (basic studies and relevant branch-specific courses) – 153 - 160 credits

2. Courses at XAMK – 60 credits

3. Bachelor’s Thesis – 15 credits

4. Practical Training – 5-12 credits
Detailed curriculum (5 ECTS/course)

• **SPRING TERM**
  • Indoor Climate
  • Air Conditioning Systems
  • Heating Systems
  • Principles of HVAC Design
  • Water and Sewage Systems
  • Electrical and Automation Engineering
  • Project Management Skills

• **AUTUMN TERM**
  • Power Production and District Heating
  • Cooling Technology
  • Design and Dimensioning of HVAC Systems
  • Commissioning of HVAC Systems
  • Heating and Cooling Demands in Buildings
  • Project Management Skills
  • Thesis work
THE SCHEDULE

Applying takes place on-line 15 Sep - 1st Nov 2019

Schedule in Mikkeli:
• Lectures start in January 2020
• Lectures finish by Christmas 2020

The first possible graduation date is at the end of January 2021
Prerequisites

- Knowledge of English language (both written and oral, a language test)
- Basic studies at the home university completed and accepted to the Double Degree programme (about 153-160 ECTS credits)
- Own interest and willingness to specialise in HVAC engineering!
Present partners

- St Petersburg State University of Architecture and Civil Engineering, Russia
- Peter the Great St Petersburg Polytechnic University, Russia
- Samara State University of Architecture and Civil Engineering, Russia
- Wroclaw University of Science & Technology, Poland
- Industrial University of Tyumen, Russia
- Vilnius Gediminas Technical University, Lithuania
- Ufa State Petroleum Technological University, Russia
- Ural Federal University Named After the First President of Russia B.N.Yeltsin, Ekaterinburg, Russia
- Moscow State University of Civil Engineering, Russia
- Volga State University of Technology, Russia
Laboratory measurements
Measurements in the HVAC Laboratory
Modern teaching methods prepare the students for working life situations.
Tutoring

- Support in finding accommodation and in settling down in Mikkeli
- Individual tutoring during the studies
- Individual tutoring in writing the bachelor’s thesis
- Excursions to companies and buildings sites
Living / Studying in Mikkeli

- Lunch at University 2,60€ (includes whole meal/day)
- Several options for renting apartment
  - Rent 350€ – 500€
- Tuition fee 1500€ (non-EU students)
  - Scholarship 55-ECTS/year → 750€ refund
- Over all everything is a little bit more expensive in Finland 😞
- Everything is close → you may walk or take a bike
Leisure / free time in Mikkeli / Finland

• Cross-country skiing, in Mikkeli area routes ≈ 290 km, you can rent skies
• Down hill skiing
  • Mikkeli area
  • Tahko, Kuopio ≈ 150 km
  • Vuokatti, Sotkamo ≈ 360 km
  • Ruka, Kuusamo ≈ 600 km
• Ice-skating
  • On lakes also
• Bowling
Leisure / free time in Mikkeli / Finland

- Hiking
  - Natural parks
  - Koli ≈ 270 km
  - Kuusamo ≈ 600km
- Cross-country cycling
- Ferries from Helsinki & Turku
  - To Stockholm
  - To Tallinn, Estonia
Comments by Mikhail and Maria Nikolchak, St. Petersburg
Studied in the Double Degree Programme in 2011 and graduated in 2012

• Double Degree programme advantages:
  • Two diplomas at the same time
  • European standard bachelor’s diploma (which is nice from employer's point of view)
  • Knowledge and practice that you can hardly get in Russia (or it costs a lot)
  • English language practice
  • Communication with foreign students
Exchange student’s comments about studying in the programme

• Quentin Fritz, Université de Franche-Comté (France)
  - Deep knowledge in Building Services
  - Teachers always available and open-minded
  - Improve your English skills and your autonomy at work
  - Interesting projects and topics
  - University with a lot of equipments and means
  - Discover an enjoyable workplace and the Finnish culture
  - Overall a rewarding experience and an asset for a future career
XAMK-DD in Web

- **Facebook**
  - XAMK - DD, Building Services Engineering
  - Open group
  - Send a request to join if you are interested
- **Moodle e-learning environment**
  - Choose English (at the top of the page)
  - Log in Instructions (at the top of the page)
  - Search courses (on the left of the page) write: Double Degree Programme in Building Services Engineering
  - Click the name of the course
  - Guest access
  - Write password/Salasana: DDPBSE and press Submit
Kampuksen a koko maailma.
Learning unlimited.