The School of Engineering and Natural Sciences

The School of Engineering and Natural Sciences of the University of Iceland is a leader teaching and research in the fields of engineering, computer science, and natural sciences in Iceland. The school hosts the following Faculties:

- Faculty of Industrial Engineering, Mechanical Engineering, and Computer Science
- Faculty of Earth Sciences
- Faculty of Life and Environmental Sciences
- Faculty of Electrical and Computer Engineering
- Faculty of Physical Sciences
- Faculty of Civil and Environmental Engineering

World-class Research

World-class research is conducted at the School and students are encouraged to be innovative leaders. Research and teaching are closely connected and increasingly so as the programme progresses. Students learn to seek out information and create new knowledge. Each year, startup companies emerge from The School of Engineering and Natural Sciences.

www.von.hi.is
The Faculty of Industrial Engineering, Mechanical Engineering and Computer Science

To study at The Faculty of Industrial Engineering, Mechanical Engineering and Computer Science is practical. Students acquire broad knowledge that lead to a multitude of opportunities. The subjects of the programme are varied which further contributes to the diverse talent of graduates.

Undergraduate Programmes
The following subjects are taught at the Faculty: Chemical engineering, software engineering, industrial engineering, computer science, mechanical engineering as well as industrial engineering.

Graduate Programmes
Additional studies within the Faculty are: Financial engineering, software engineering, industrial engineering, computational engineering, computer science, and mechanical engineering.

The Faculty of Earth Sciences

The subject of earth sciences, both geology and geophysics, is the earth and the laws and forces that shape it. Through research, it is attempted to document the earth’s history, analyse its current condition, and predict its future.

The Faculty of Earth Sciences: A Leading Force.

The Faculty of Earth Sciences is unique within the University of Iceland in the sense that each year, dozens of international students arrive to study at the programme, both as undergraduates and graduates. The student body is thus international.

Study at The Faculty
Geology and geophysics are each taught at both the undergraduate and graduate level.
The Faculty of Life and Environmental Sciences

Biology deals with the structure and function of organisms and their interplay within ecosystems. It deals with the laws of genetics and evolution as well as providing insight into the mysteries of the cell, the maturing of organisms, and an understanding of the diseases that plague both man and animal.

Tourism studies deal with tourism as a sociological phenomenon, but also its effect on the environment and the importance of evaluating such impact. Tourism studies thus connects social and natural sciences resulting in a diverse programme.

Geography as a higher education deals with increasing our understanding of the complex interaction between man and nature. The study of geography is diverse as well as exciting and grants understanding on the nature of the environment and societies around the world.

Studying at the Faculty
Tourism studies, geography, and biology are taught both at the undergraduate and graduate levels.

The Faculty of Electrical and Computer Engineering

The Faculty of Electrical and Computer Engineering leads the teaching and research in electrical and computer engineering in Iceland. Many of the faculty are leading specialists within their own field within the global science community. The programme is diverse and exceptionally practical. The main focus of the faculty is to prepare students to actively participate in innovation and progress, among else within the computer industry, electronics, communications, and electrical power technology. This is achieved through an emphasis on a solid academic base combined with the latest knowledge, done in close collaboration with industries at home and abroad.

A Practical Study
There is great demand for those educated in electrical and computer engineering both within and outside Iceland. Students are highly sought after by industry and have achieved great results while studying further at some of the most prestigious engineering schools in the world.
The Faculty of Physical Sciences

The University of Iceland is the only university in Iceland to offer a physical sciences programme. The function of the Faculty is to prepare students for diverse jobs based on a knowledge of physical sciences and modern technology. The Faculty mixes an academic foundation with practical study and lab exercises. The programmes offered are: Mathematics, physics, and chemistry.

An Exciting Study

Studying mathematics at the University of Iceland offers exciting possibilities and is a solid base for further studies. Mathematicians are highly sought after by industry. Physics deals with the nature, make and function of the material world, from the smallest of particles to galaxies and the entire universe. Chemistry studies the construction and properties of materials, molecules, crystals, liquid and gases, and also chemical reactions and other transformations of materials.

Study Programmes

Physics, chemistry, bio-chemistry, and mathematics are taught both at the undergraduate and graduate level.

The Faculty of Civil and Environmental Engineering

The study spans many fields that are integral for the construct and maintenance of modern society. This includes the design of town and country structures, environmental engineering, hydrology and hydraulics, planning, and transportation. The strong ties of teachers to industry and the international academic community ensure that the material and projects presented to students are realistic on current.

Employment

Graduates from the Faculty of Civil and Environmental Engineering have done exceptionally well as students at some of the most esteemed engineering schools of the world. Students are acknowledged by industry and highly sought after for diverse and important positions.

Undergraduate and Graduate Study

Civil and Environmental Engineering is taught at the undergraduate level. At the graduate level, students can choose either Civil Engineering, Environmental Engineering as well as Civil and Environmental Engineering combined.