



## Department of Engineering

### Course packages for Incoming Exchange students

The following courses are for BSc students with at least 120 ECTS and master students from the relevant fields of engineering (\* courses are 3 week). Students have to choose one of the following modules.

Students applying who have not finished 120 ESCT have to be processed on individual basis.

*Please be aware of that Iceland School of Energy is not open to exchange students unless there is a specific agreement existing.*

### **Fall semester:**

#### **Biomedical Engineering**

T-828-BIOM Biomechanics II (8) or T-561-LIFF Biomechanics\* (6) (depending upon pre-requisites)

T-862-IMAG (8)

T-862-NEUR (8)

+1 course

#### **Mechanical engineering**

T-809-DATA Datamining and machine learning (8)

T-738-EMBE Embedded system programming (8)

T-863-MADE Precision machine design (8)

T-869-COMP Computer vision applications\* (6)

#### **Electrical/mechatronics engineering**

T-809-DATA Datamining and machine learning (8)

T-867-GRID Smart-Grid and sustainable power systems (8)

T-866-HIVO High voltage engineering (8)

(T-403-RAFO Power System Simulation – prereq for any students going on to take T-867-POSY)

+1

### **Engineering management / Financial engineering**

T-809-DATA Datamining and machine learning (8)

T-503-AFLE Derivatives (6)

T-810-OPTI Optimization methods (8)

T-807-QUAL Quality management (6)

### **Spring semester:**

#### **Biomedical engineering**

T-803-VERK Project management (8)

T-863-NEUR Neural Engineering (8)

T-424-SLEE Sleep\* (6)

+1

#### **Mechanical engineering**

T-401-LISY Linear dynamic systems (6)

SE-833-FA2 Energy financial assessment (6)

T-863-WIND Wind Power (8)

T-423-ENOP Engineering optimization\* (6)

#### **Electrical/Mechatronics engineering**

T-803-VERK Project management (8)

T-867-POSY Power system operation (8) – PRE REQ: T-403-RAFO Power System Simulation

T-867-STAB Stability and control in electric power systems (8)

+1

#### **Engineering management/Financial engineering**

T-803-VERK Project management (8)

SE-833-FA2 Energy financial assessment (6)

T-814-INNO Creating a complete business plan for a technical idea - Entrepreneurship and the innovation process (8)

T-814-DERI Derivatives and risk management (8) – PRE REQ: BSc course in derivatives and risk management.