

Fall 22 - BSc Business courses

During the first course selection round students must select one study line and choose courses from that line. Students can also choose one 3-week course. These courses are guaranteed not to cause time table conflicts. During the second course selection round students can choose electives, courses from another line or another department based on their schedule.

Marketing line 12-week courses Taught 15th August – November 18th

Course	Pre-requisites
V-644-BRAN Branding ^{6 ECTS}	12 ECTS in Marketing or related subject
V-552-STAF Digital Marketing ^{6 ECTS}	12 ECTS in Marketing or related subject
V-523 MACO Marketing Research & Consumer Behaviour ^{6 ECTS}	12 ECTS in Marketing or related subject
V-528-MAVI Marketing & Business Research Methods ^{6 ECTS}	Methodology, applied statistics

Economics line 12-week courses Taught 15th August – November 18th

Course	Pre-requisites
V-517- VIRD Valuation ^{6 ECTS}	30 ECTS Economics or Finance
V-332-AGTH Applied Game Theory ^{6 ECTS}	Statistics, Micro economics I and II
V-107-FJAR Corporate Finance ^{6 ECTS}	30 ECTS Economics or Finance
V-231-ECOM Econometrics II ^{6 ECTS}	30 ECTS Economics or Finance

3-week courses -Taught intensively November 21st - December 13th – only possible to choose one

Course	Pre-requisites
V-511-STST Human Resource Management ^{6 ECTS}	Management
V-308-ALVI International Business ^{6 ECTS}	Macroeconomics, marketing management

Electives Can only be selected during second course selection round.

12-week courses Taught 15th August – November 18th

Course	Pre-requisites
V-528-MAVI Marketing & Business Research Methods ^{6 ECTS}	Methodology, applied statistics
V-406-TOL2 Applied Statistics II ^{6 ECTS}	Applied statistics I
V-107-FJAR Corporate finance ^{6 ECTS}	Applied mathematics, applied statistics
V-522-SERV Service Management ^{6 ECTS}	Marketing management, management
V-644-BRAN Branding ^{6 ECTS}	Marketing management
V-552-STAF Digital Marketing ^{6 ECTS}	Marketing management
V-523-MACO Consumer Behaviour & Marketing Communication ^{6 ECTS}	Marketing management
V-517-VIRD Valuation ^{6 ECTS}	Applied Mathematics I, Corporate Finance
V-231-ECOM Econometric II ^{6 ECTS}	Econometrics I
V-332-AGTH Applied game theory ^{6 ECTS}	Statistics , Micro economics I and II
V-566-MPRO Moral profit ^{6 ECTS}	None

Fall 22 - MSc Business courses

During the first course selection round students must select one study line and choose courses from that line. These courses are guaranteed not to cause time table conflicts. During the second course selection round students can choose electives, courses from another line or another department based on their schedule.

Tourism & Hospitality Management line (MSc)

15-week semester - August 15th - December 9th

V-704-FTHM Fundamentals in Tourism & Hospitality Management 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-712-STJO Strategic Management 7.5 ECTS	
V-730-STRT Staffing: From Recruitment to Termination 7.5 ECTS	

Innovation Management line (MSc) 15-week semester - August 15th - December 9th

V-702-CREM Creative Approaches & Entrepreneurial Mindsets 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-703-INEN Innovation & Entrepreneurship: A field of knowledge & practice 7.5 ECTS	
V-712-STJO Strategic Management 7.5 ECTS	

Information Management line (MSc) 15-week semester - August 15th - December 9th

V-712-STJO Strategic Management 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-746-ENAR Enterprise Architectures 7.5 ECTS	
V-725-ABIN Advanced Business Informatics 7.5 ECTS	
V-795-ATET Advanced Topics in Emerging Technologies 7.5 ECTS	

Business Management line (MSc) 15-week semester - August 15th - December 9th

V-712-STJO Strategic Management 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-736-CMLE Change Management and Leadership 7.5 ECTS	

Corporate Finance line (MSc) 15-week semester - August 15th - December 9th

V-765-CORP Corporate Finance 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-767-INTF International Finance 7.5 ECTS	
V-863-EQUI Equity Analysis 7.5 ECTS	
V-862-PORT Portfolio Management 7.5 ECTS	

Human Resource Management & Organizational Psychology line (MSc)

15 week semester - August 15th - December 9th

V-715-ORPS Organizational Psychology 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-730-STRT Staffing: From Recruitment to Termination 7.5 ECTS	
V-830-PEMA Performance Management 3.75 ECTS	

Marketing line (MSc) 15 week semester - August 15th - December 9th

V-712-STJO Strategic Management 7.5 ECTS	180 ECTS in Business Administration, Economics or related subjects.
V-736-INMA International Marketing 7.5 ECTS	
V-738-ADDM Advanced and Digital Marketing 7.5 ECTS	

BSc Computer Science

First course selection round students must select courses from the Computer Science BSc line and one 3-week course. These courses are guaranteed not to cause time table conflicts. During the second course selection round students can choose electives, courses from another line or another department based on their schedule.

Computer Science Line (BSc) 12-week courses taught 15th August – November 18th

Course	Pre-requisites
T-504-ITML Introduction to Machine Learning 6 ECTS	Algorithms, Calculus & Statistics, Discrete Mathematics II
T-511-TGRA Computer Graphics 6 ECTS	Algorithms
T-519-STOR Theory of computation 6 ECTS	Discrete Mathematics, Algorithms

3 week courses: Taught intensively November 21st - December 13th

Course	Pre-requisites
E-402-STFO Mathematical programming 6 ECTS	Calculus I, Discrete Mathematics for eng. & Algorithms or Calculus & statistics, Discrete Mathematics I and Algorithms.

Electives 12-week courses taught 15th August – November 18th. Selected during second course selection round

T-603-THYD Compilers 6 ECTS	Programming Languages
T-409-TSAM Computer Networks 6 ECTS	Data structures
T-535-CPSY Cyber Physical Systems 6 ECTS	Operating Systems
T-513-CRNU Cryptography & number theory 6 ECTS	Calculus I, Discrete Mathematics I & II, Algorithms, Statistics

MSc Computer Science

Computer Science Line (MSc) 12-week courses Taught 15th August – November 18th

Course	Pre-requisites
T-720-ATAI Advanced topics in AI 8 ECTS	Programming exp necessary, one of following recommended: Artificial intelligence, simulation techniques, cognitive science.
T-725--MALV Natural Language Processing 8 ECTS	algorithms, programming. 120 ECTS Computer Science/Eng.
T-738-VIRH Virtual Humans 8 ECTS	120 ECTS Computer Science/Eng. Algorithms, programming, Computer Graphics

3-week COURSES: Taught intensively November 21st - December 13th (only choose one)

Course name	Pre-requisites
T-796-DEEP Introduction to Deep Learning 6 ECTS	120 ECTS Computer Science/Eng. Algorithms, programming, machine learning.
T-743-PLSA Semantics with applications 6 ECTS	120 ECTS in Computer Science. algorithms, programming

Electives Can only be selected during second course selection round.

12-week courses Taught 15th August – November 18th

T-740-SPMM Software Project Management 8 ECTS	120 ECTS Computer Science/Engineering. Programming
T-786-APDS Applied Data Science 6 ECTS	120 ECTS Computer Science/Eng. Algorithms, programming

BSc Engineering

There are few courses taught at BSc level in English, and most of these are across study lines, so could cause timetabling issues. We are not able to guarantee which courses will cause schedule conflicts until the timetables have been published in June, but you can apply for the courses you would like to take during the first round.

Students should expect that there will be timetabling issues, and will need to change their course selection at a later date.

Engineering Line (BSc) 12-week courses taught 15th August – November 18th

Course	Pre-requisites
T-302-TOLF Statistics I ^{6 ECTS}	Mathematics I, Programming for Eng. 60 ECTS Eng/related field
T-303-VERD Securities ^{6 ECTS}	Intro to financial engineering, Mathematics I & II, Linear algebra, recommended: Matlab/python. 60 ECTS Eng. or related field
T-306-RASI Analog Circuit Analysis ^{6 ECTS}	Mathematics, Physics, Physics II. 60 ECTS Eng. or related field
T-411-MECH Mechatronics I ^{6 ECTS}	Programming for engineering, Analog circuit analysis, statics and mechanics of materials. 120 ECTS in Eng. or related field
T-503-REGL Feedback Control Systems ^{6 ECTS}	Mathematics I, II & III, Linear algebra, Linear dynamic systems, Programming in matlab. 120 ECTS Eng. or related field
T-503-AFLE Derivatives ^{6 ECTS}	Securities, statistics I, 120 ECTS Eng. or related field
T-509-RAFT Electronics Circuits ^{6 ECTS}	Analog circuit analysis, circuit design. 120 ECTS Eng/related field

3-week courses (you can only choose one) Taught intensively November 21st - December 13th

Course	Pre-requisites
T-510-MALI Instruments and Vital Signs ^{6 ECTS}	Mathematics I, II & III, physics II, analog circuit analysis, measurement systems, recommended: signals & systems, statistics I, biopsychology, electronic circuits. 120 ECTS Eng. or related field
T-316-LABB Measurement Systems ^{6 ECTS}	Analog circuit analysis (can be taken as a 12 week course), Math III, Statistics I. 60 ECTS in Eng. or related field
T-561-LIFF Bio mechanics ^{6 ECTS}	Statics & Mechanics of Materials, Physics. 120 ECTS Eng. or related field

MSc Engineering

During the first course selection round students must select one study line and choose courses from that line. These courses are guaranteed not to cause time table conflicts. During the second course selection round students can choose electives, courses from another line or another department based on their schedule.

Biomedical Engineering line

Course	Pre-requisites
T-828-BIOM Biomechanics II ^{8 ECTS}	No mandatory. Basic knowledge of calculus, linear algebra, statistics and programming and statistics is assumed. 180 ECTS Eng. or related field.
T-862-IMAG Medical imaging & modelling ^{6 ECTS}	BSc degree in Biomedical Engineering (180 ECTS). Adequate coverage of mathematics, physics including modern physics and physiology. Students should also have knowledge in electrical theory, electronics, automatic control theory, computers and signal processing.
T-561-LIFF Bio mechanics ^{6 ECTS} 3 week	Statics & Mechanics of Materials, Physics. 120 ECTS in Eng. or related field.
T-862-NEUR Neuro-science & Technology ^{6 ECTS}	Students entering the course are expected to know the basics of molecular biology, cell biology, physiology and electronics. 180 ECTS in Engineering or related field.

Mechanical Engineering line

Course	Pre-requisites
T-809-DATA Data-mining & machine learning 8 ECTS	No mandatory prerequisites. Basic knowledge of calculus, linear algebra, statistics, programming & statistics is assumed. 180 ECTS in Engineering or related field.
T-738-EMBE Embedded system programming 8 ECTS	Programming. Additional recommended prerequisites: Mechatronics I. 180 ECTS in Engineering or related field.
T-863-MADE Precision machine design 8 ECTS	Basic PLC, Python, C/C++ or Java programming. Basic electronics (resistors, inductors, capacitors); Understanding of structural analysis (stresses, strains, bending); Familiarity with solid modelling tool (Inventor, Solidworks, etc) 180 ECTS in Engineering or related field.
T-869-COMP Computer vision applications 6 ECTS 3 week	180 ECTS in Engineering or related field.

Electrical/Mechatronics Engineering line

Course	Pre-requisites
T-809-DATA Datamining & machine learning 8 ECTS	Basic knowledge of calculus, linear algebra, statistics, programming is assumed. 180 ECTS in Eng. or related field.
T-867-GRID Smart-Grid & sustainable power systems 8 ECTS	Basic knowledge of electric circuits, electric engineering fundamentals & power systems.180 ECTS in Eng. or related field.
T-866-HIVO High voltage engineering 8 ECTS	180 ECTS in Engineering or related field.

Engineering Management/Financial Engineering line

Course	Pre-requisites
T-809-DATA Data mining and machine learning 8 ECTS	Basix knowledge of calculus, linear algebra, statistics and programming. 180 ECTS in Engineering or related field.
T-503-AFLE Derivatives 6 ECTS	Securities, Statistics.120 ECTS in Engineering or related field.
T-810-OPTI Optimization methods 8 ECTS	Operation Research.180 ECTS in Engineering or related field.
T-811-PROB Applied probability 8 ECTS	Probability & stochastic processes.180 ECTS in Engineering or related field.
T-814-FINA Financial engineering of the firm 8 ECTS	Undergraduate degree in engineering plus selected finance courses such as Securities, Derivatives, Corporate Finance and Risk Management. Other recommended prerequisites: Good programming knowledge in Excel, Matlab or Python. 180 ECTS in Engineering or related field.
T-807-QUAL Quality management 6 ECTS 3 week	It is assumed that students have at least minimum background in statistics. It is also important that students have finished an undergraduate degree or have considerable experience in management. 180 ECTS in Engineering or related field.

ML Law

The Department of Law only offers courses at Masters level for exchange students. All courses in the School of Law are taught during the 15-week term. Students in their 3rd year of a BSc in Law can take MSc courses in the School of Law.

ML Law line Courses 15 week semester - August 15th - December 9th

Course	Pre-requisites
L-746-EUCL EU Constitutional Law 7,5ECTS	120 ECTS in Law /related field
L-712-IEEL International & European Energy Law - Icelandic Energy Law 7,5ECTS	120 ECTS in Law /related field
L-801-INTT International Trade: Law of the World Trade Organization 7,5ECTS	120 ECTS in Law /related field
L-748-COMP Comparative Law 3,75ECTS	120 ECTS in Law /related field
L-810-USLS The US Legal System: Sources and Structure 3,75ECTS	120 ECTS in Law /related field
L-811-PJMC Philip C. Jessup International Law Moot Court Competition 7,5ECTS	120 ECTS in Law only
L-820-ILLC International Law & Litigation on Climate Change 3,75ECTS	120 ECTS in Law /related field
L-776-USLI US Litigation 3,75ECTS	120 ECTS in Law /related field
L-746-EUCL Law and Economics 7,5ECTS	120 ECTS in Law /related field

BSc Sports Science

Courses are only open to sports science students. Exchange studies only at BSc level. Opportunities to arrange research projects, students should contact the programme coordinator

BSc Sports Science line 12-week courses Taught 15th August - November 18th

Course	Pre-requisites
E-114-HAKN Team Handball/Football 6 ECTS	Only open to Sports Science Students.
E-416-BAVO Basketball/ Volleyball 6 ECTS	Only open to Sports Science Students.
E-525-OUTR Outdoor Recreation 6 ECTS	Only open to Sports Science Students.
E-513- RANN Research 6 ECTS	Only open to Sports Science Students.

3 week course Taught intensively November 21st - December 13th – only choose one

Course	Pre-requisites
E-609-EIHE Personal Training and Health Coaching 6 ECTS	Only open to Sports Science Students.