Industrial Engineering and Management - International, M Sc in Engineering

300 credits

Civilingenjör i industriell ekonomi - internationell

6CIEI

Valid from: 2016 Spring semester

Determined by
Board of Studies for Industrial Engineering and Logistics

Date determined
2016-01-19

Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp

Curriculum

Semester 2 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA42	Calculus in One Variable 2	6	G1X	2	C
TDDD11	Introduction to Programming	8*	G1X	4	C
TEII22	Japanese for Engineers I, Part 2	6*	G1X	3	C
Period 2					
TAOP52	Introduction to Operations Research	4	G1X	3	C
TATA69	Calculus in Several Variables	6	G1X	2	C
TDDD11	Introduction to Programming	8*	G1X	4	C
TEII22	Japanese for Engineers I, Part 2	6*	G1X	1	C

Semester 3 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEII41	Japanese for Engineers II, Part 1	6*	G1X	4	C
TKMJ51	Corporate Sustainability Management	6	G1X	2	C
TMME27	Engineering Mechanics	10*	G1X	3	C
Period 2					
TAMS79	Mathematical Statistics, First Course	4	G1X	3	C
TEII41	Japanese for Engineers II, Part 1	6*	G1X	4	C
TMME27	Engineering Mechanics	10*	G1X	1	C
TPPE98	Economic Analysis: Economic Theory	4	G2X	2	C

Semester 4 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS65	Mathematical Statistics, second course	6*	G2X	4	C
TAOP62	Operations Research, Extended Course	6	G2X	3	C
TEII42	Japanese for Engineers II, Part 2	2*	G1X	-	C
TDDE10	Object Oriented Programming in Java	6	G2X	1	E
TEIO61	Industrial Management	6	G2X	1	E
TFBI11	Genetics and Evolution	6	G1X	2	E
TMMV04	Engineering Thermodynamics	6	G1X	2	E
TMPT07	Manufacturing Technology	6	G2X	2	E
TSEA22	Switching Theory and Logical Design	6	G1X	2	E
TSRT04	Introduction in Matlab	2	G1X	2	E
Period 2					
TAMS65	Mathematical Statistics, second course	6*	G2X	2	C
TEII42	Japanese for Engineers II, Part 2	2*	G1X	4	C
TPPE24	Economic Analysis: Decision- and Financial Methodology	6	G2X	3	C
TATA82	Discrete Mathematics	6	G1X	1	E
TFKE52	Fundamentals of Chemistry	6	G1X	1	E
TMES44	Energy Systems - Supply and Demand	6	G2X	1	E
TMKT14	CAD and Machine Elements	6	G2X	1	E
TSEA82	Computer Hardware and Architecture	4	G1X	4	E
TSRT04	Introduction in Matlab	2	G1X	1	E
TPTE06	Industrial Placement	6	G1X	-	V

Specialisation: Specialization Biotechnical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFBI11	Genetics and Evolution	6	G1X	2	C
Period 2					
TFKE52	Fundamentals of Chemistry	6	G1X	1	C

Specialisation: Specialization Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDE10	Object Oriented Programming in Java	6	G2X	1	C
Period 2					
TATA82	Discrete Mathematics	6	G1X	1	C

Specialisation: Specialization Electrical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSEA22	Switching Theory and Logical Design	6	G1X	2	C
Period 2					
TSEA82	Computer Hardware and Architecture	4	G1X	4	C

Specialisation: Specialization Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMV04	Engineering Thermodynamics	6	G1X	2	C
Period 2					
TMES44	Energy Systems - Supply and Demand	6	G2X	1	C

Specialisation: Specialization Mechanical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPT07	Manufacturing Technology	6	G2X	2	C
Period 2					
TMKT14	CAD and Machine Elements	6	G2X	1	C

Semester 5 (Autumn 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE13	Production and Operations Management	6	G2X	1	C
TSRT22	Automatic Control	6	G2X	4	C
TDDE18	Programming C++	6*	G2X	2	E
TDDE22	Data Structures and Algorithms	6	G2X	3	E
TEIO91	Project Management	6*	G2X	-	E
TFBI22	Cell Biology and Microbial Processes	6	G1X	3	E
TMHL22	Solid Mechanics	6	G2X	3	E
TMKM86	Engineering Materials	6*	G2X	4	E
TMMV11	Fluid Mechanics and Heat Transfer	6	G2X	2	E
TMMV57	Applied Energy Engineering	6*	G2X	3	E
TSDT84	Signals and Systems, and Transform Theory	8*	G2X	4	E
TSEA52	Switching Theory and Logical Design	6*	G1X	2	E
TSTE95	Electronics	4	G1X	3	E
Period 2					
TEIO04	Project Management	6	G2X	2	C
NBIB45	Principles in Physiology and Ethics	6	G1X	1	E
TDDE18	Programming C++	6*	G2X	1	E
TDTS10	Computer Architecture	6	G1X	3	E
TEIM03	Intercultural Communication	4	G1X	4	E
TEIO91	Project Management	6*	G2X	-	E
TKMJ35	Industrial Ecology	6	G2X	3	E
TKMJ39	Resource Efficient Products and Production	6	G2X	1	E
TMKM86	Engineering Materials	6*	G2X	4	E
TMMI46	Industrial Automation	6	G2X	3	E
TMMV57	Applied Energy Engineering	6*	G2X	3	E
TSDT84	Signals and Systems, and Transform Theory	8*	G2X	3	E
TSEA52	Switching Theory and Logical Design	6*	G1X	4	E

Specialisation: Specialization Biotechnical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFBI22	Cell Biology and Microbial Processes	6	G1X	3	C
Period 2					
NBIB45	Principles in Physiology and Ethics	6	G1X	1	C
TKMJ35	Industrial Ecology	6	G2X	3	E

Specialisation: Specialization Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSEA52	Switching Theory and Logical Design	6*	G1X	2	C
TDDE22	Data Structures and Algorithms	6	G2X	3	E
Period 2					
TDTS10	Computer Architecture	6	G1X	3	C
TSEA52	Switching Theory and Logical Design	6*	G1X	4	C

Specialisation: Specialization Electrical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDE18	Programming C++	6*	G2X	2	C
TSDT84	Signals and Systems, and Transform Theory	8*	G2X	4	C
TSTE95	Electronics	4	G1X	3	E
Period 2					
TDDE18	Programming C++	6*	G2X	1	C
TSDT84	Signals and Systems, and Transform Theory	8*	G2X	3	C

Specialisation: Specialization Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMV11	Fluid Mechanics and Heat Transfer	6	G2X	2	C
TMMV57	Applied Energy Engineering	6*	G2X	3	C
Period 2					
TMMV57	Applied Energy Engineering	6*	G2X	3	C
TKMJ39	Resource Efficient Products and Production	6	G2X	1	E

Specialisation: Specialization Mechanical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMHL22	Solid Mechanics	6	G2X	3	C
TMKM86	Engineering Materials	6*	G2X	4	C
Period 2					
TMKM86	Engineering Materials	6*	G2X	4	C
TMMI46	Industrial Automation	6	G2X	3	E

Semester 6 (Spring 2019)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIM32	Industrial Marketing	6	G2X	4	C
TDDD81	Database Technology	6*	G2X	2	E
TDDD83	Computer Engineering - Bachelor Project	18*	G2X	1/3	E
TFBI23	Ecology and the Environment	6	G1X	3	E
TFBI24	Biotechnology - Bachelor Project	18*	G2X	2	E
TFYA89	Natural Sciences for Engineers - Principles and Applications	6*	G2X	-	E
TMMV04	Engineering Thermodynamics	6	G1X	2	E
TMMV16	Energy Engineering - Bachelor Project	18*	G2X	3	E
TMMV58	Modelling and Simulation of Energy and Heat Transfer Processes	6	G2X	1	E
TMPS32	Mechanical Engineering - Bachelor Project	18*	G2X	3	E
TSBB18	Embedded Perception Systems	6	G2X	3	E
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	2	E
Period 2					
TDDD12	Database Technology	6	G2X	4	E
TDDD81	Database Technology	6*	G2X	4	E
TDDD83	Computer Engineering - Bachelor Project	18*	G2X	1/3	E
TFBI24	Biotechnology - Bachelor Project	18*	G2X	2/3/4	E
TFYA89	Natural Sciences for Engineers - Principles and Applications	6*	G2X	-	E
TMMV16	Energy Engineering - Bachelor Project	18*	G2X	3	E
TMPS32	Mechanical Engineering - Bachelor Project	18*	G2X	3	E
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	-	E
TSKS10	Signals, Information and Communication	4	G2X	3	E

Specialisation: Specialization Biotechnical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFBI23	Ecology and the Environment	6	G1X	3	C
TFBI24	Biotechnology - Bachelor Project	18*	G2X	2	E
Period 2					
TFBI24	Biotechnology - Bachelor Project	18*	G2X	2/3/4	E

Specialisation: Specialization Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD81	Database Technology	6*	G2X	2	E
TDDD83	Computer Engineering - Bachelor Project	18*	G2X	1/3	E
Period 2					
TDDD12	Database Technology	6	G2X	4	C
TDDD81	Database Technology	6*	G2X	4	E
TDDD83	Computer Engineering - Bachelor Project	18*	G2X	1/3	E

Specialisation: Specialization Electrical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB18	Embedded Perception Systems	6	G2X	3	C
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	2	E
Period 2					
TSKS10	Signals, Information and Communication	4	G2X	3	C
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	-	E

Specialisation: Specialization Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMV58	Modelling and Simulation of Energy and Heat Transfer Processes	6	G2X	1	C
TMMV16	Energy Engineering - Bachelor Project	18*	G2X	3	E
Period 2					
TMMV16	Energy Engineering - Bachelor Project	18*	G2X	3	E

Specialisation: Specialization Mechanical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMV04	Engineering Thermodynamics	6	G1X	2	C
TMPS32	Mechanical Engineering - Bachelor Project	18*	G2X	3	E
Period 2					
TMPS32	Mechanical Engineering - Bachelor Project	18*	G2X	3	E

Semester 7 (Autumn 2019)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEII18	Japanese for Engineers III	6*	G2X	-	C
TAMS32	Stochastic Processes	6	A1X	1	E
TAMS46	Probability Theory, Second Course	6	A1X	3	E
TANA21	Scientific Computing	6	G1X	3	E
TAOP34	Large Scale Optimization	6	A1X	3	E
TATA34	Real Analysis, Honours Course	6*	G2X	4	E
TATA44	Vector Analysis	4	G1X	1	E
TATM38	Mathematical Models in Biology	6	A1X	3	E
TDDC17	Artificial Intelligence	6	G2X	3	E
TDDC88	Software Engineering	12*	A1X	1	E
TDDD23	Design and Programming of Computer Games	6	A1X	2	E
TDDD38	Advanced Programming in C++	6*	A1X	2	E
TDDD43	Advanced Data Models and Databases	6*	A1X	2	E

Course code	Course name	Credits	Level	Timetable module	ECV
TDDE18	Programming C++	6*	G2X	2	E
TDEI13	Enterprise Resource Planning Systems: Process and Implementation	6	A1X	2	E
TDEI72	Strategy and Digitisation - Technology, Standards and Network Effects	6	A1X	4	E
TEIE72	Corporate Strategies	6	A1X	4	E
TEIO07	Project Based Organization and Management	6	A1X	4	E
TEIO90	Innovation Management	6	A1X	2	E
TETS23	Purchasing	6	A1X	2	E
TETS37	Basics in Logistics Management	6	G2X	4	E
TKMJ14	Large Technical Systems and the Environment	6	A1X	4	E
TKMJ31	Biofuels for Transportation	6	A1X	1	E
TKMJ49	Environmentally Driven Business Development	6*	A1X	3	E
TMES09	Industrial Energy Systems	6	A1X	3	E
TMES27	Modelling of Energy Systems	6	A1X	3	E
TMKM16	Sustainable Material Selection	6	A1X	4	E
TMKT80	Wood - Material	6	G2X	2	E
TMPS33	Virtual Manufacturing	6	A1X	4	E
TMPS35	Emerging Factory Technologies	6	A1X	3	E
TMPT03	Production Engineering - Continuing Course	6	G2X	2	E
TMQU03	Quality Management and Engineering	6	G2X	2	E
TPPE16	Manufacturing Strategies	6	A1X	2	E
TPPE17	Corporate Finance	6	G2X	4	E
TSBB06	Multidimensional Signal Analysis	6*	A1X	2	E
TSBB08	Digital Image Processing	6	A1X	4	E
TSDT14	Signal Theory	6	A1X	1	E
TSKS01	Digital Communication	6*	A1X	4	E
TSKS15	Detection and Estimation of Signals	6	A1X	2	E
TSRT62	Modelling and Simulation	6	A1X	3	E
Period 2					
TEII18	Japanese for Engineers III	6*	G2X	-	C
NBID31	Modelling of Biological Systems	6	A1X	3/4	E

Course code	Course name	Credits	Level	Timetable module	ECV
TAOP04	Mathematical Optimization	6	A1X	4	E
TATA34	Real Analysis, Honours Course	6*	G2X	4	E
TATA45	Complex Analysis	6	G2X	1	E
TDDC88	Software Engineering	12*	A1X	1	E
TDDD07	Real Time Systems	6	A1X	4	E
TDDD38	Advanced Programming in C++	6*	A1X	-	E
TDDD43	Advanced Data Models and Databases	6*	A1X	2	E
TDDE01	Machine Learning	6	A1X	1	E
TDDE18	Programming C++	6*	G2X	1	E
TDEI19	Management Control	6	A1X	2	E
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	E
TEIE42	Industrial Sales Management	6	A1X	4	E
TEIM10	Industrial Service Development	6	A1X	2	E
TETS27	Supply Chain Logistics	6	A1X	2	E
TFBI17	Advanced Project Course in Ecosystem Service Valuation	6	A1X	-	E
TFYA96	The physics behind technology	6	G2X	4	E
TKMJ35	Industrial Ecology	6	G2X	3	E
TKMJ49	Environmentally Driven Business Development	6*	A1X	3	E
TMES45	Energy Planning and Modelling of Communities	6	A1X	4	E
TMHL63	Introduction to Computational Mechanics	6	G2X	3	E
TMHP03	Engineering Systems Design	6	A1X	4	E
TMKM90	Engineering Materials - Deformation and Fracture	6	A1X	2	E
TMKT71	Affective Engineering	6	A1X	2	E
TMKT81	Wood - Realisation	6	G2X	1	E
TMKU02	Wood - Realisation	6	G2X	1	E
TMMV18	Fluid Mechanics	6	A1X	2	E
TMPS22	Assembly Technology	6	A1X	3	E
TMPS31	Sustainable Manufacturing	6	A1X	1	E
TMQU12	Lean Production	6	A1X	2	E

Course code	Course name	Credits	Level	Timetable module	ECV
TPPE29	Financial Markets and Instruments	6	A1X	2	E
TPPE76	Operations Planning and Control	6	A1X	4	E
TSBB06	Multidimensional Signal Analysis	6*	A1X	3	E
TSBB09	Image Sensors	6	A1X	4	E
TSEA81	Computer Engineering and Real-time Systems	6	A1X	4	E
TSIT02	Computer Security	6	G2X	2	E
TSKS01	Digital Communication	6*	A1X	4	E
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E
TSRT78	Digital Signal Processing	6	A1X	2	E

Specialisation: Master Profile Automatic Control

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSDT14	Signal Theory	6	A1X	1	C
TSRT62	Modelling and Simulation	6	A1X	3	C
Period 2					
TSEA81	Computer Engineering and Real-time Systems	6	A1X	4	E
TSRT78	Digital Signal Processing	6	A1X	2	E

Specialisation: Master Profile Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDC88	Software Engineering	12*	A1X	1	C
Period 2					
TDDC88	Software Engineering	12*	A1X	1	C

Specialisation: Master Profile Digitisation and Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDEI72	Strategy and Digitisation - Technology, Standards and Network Effects	6	A1X	4	C
TDEI13	Enterprise Resource Planning Systems: Process and Implementation	6	A1X	2	E
Period 2					
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	C
TDEI19	Management Control	6	A1X	2	E

Specialisation: Master Profile Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMES09	Industrial Energy Systems	6	A1X	3	E
TMES27	Modelling of Energy Systems	6	A1X	3	E
Period 2					
TMMV18	Fluid Mechanics	6	A1X	2	E

Specialisation: Master Profile Finance

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE17	Corporate Finance	6	G2X	4	E
Period 2					
TPPE29	Financial Markets and Instruments	6	A1X	2	C

Specialisation: Master Profile Industrial Marketing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIE72	Corporate Strategies	6	A1X	4	E
Period 2					
TEIE42	Industrial Sales Management	6	A1X	4	C/E
TEIM10	Industrial Service Development	6	A1X	2	C/E

Specialisation: Master Profile Logistics Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TETS37	Basics in Logistics Management	6	G2X	4	C
TETS23	Purchasing	6	A1X	2	E
Period 2					
TETS27	Supply Chain Logistics	6	A1X	2	C/E

Specialisation: Master Profile Manufacturing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPS33	Virtual Manufacturing	6	A1X	4	E
TMPS35	Emerging Factory Technologies	6	A1X	3	E
TMPT03	Production Engineering - Continuing Course	6	G2X	2	E
Period 2					
TMPS22	Assembly Technology	6	A1X	3	C
TMPS31	Sustainable Manufacturing	6	A1X	1	E

Specialisation: Master Profile Operations Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE16	Manufacturing Strategies	6	A1X	2	C
Period 2					
TPPE76	Operations Planning and Control	6	A1X	4	E

Specialisation: Master Profile Product Development

Course code	Course name	Credits	Level	Timetable module	ECV
Period 2					
TMHP03	Engineering Systems Design	6	A1X	4	E

Specialisation: Master Profile Project, Innovation and Entrepreneurship

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIO90	Innovation Management	6	A1X	2	C
TEIO07	Project Based Organization and Management	6	A1X	4	E
TKMJ49	Environmentally Driven Business Development	6*	A1X	3	E
Period 2					
TKMJ49	Environmentally Driven Business Development	6*	A1X	3	E

Specialisation: Master Profile Quality Technology and Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMQU03	Quality Management and Engineering	6	G2X	2	C
Period 2					
TMQU12	Lean Production	6	A1X	2	E

Specialisation: Master Profile Signal and Image Processing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB08	Digital Image Processing	6	A1X	4	C
TSDT14	Signal Theory	6	A1X	1	C
TSBB06	Multidimensional Signal Analysis	6*	A1X	2	E
Period 2					
TSBB06	Multidimensional Signal Analysis	6*	A1X	3	E
TSBB09	Image Sensors	6	A1X	4	E
TSRT78	Digital Signal Processing	6	A1X	2	E

Specialisation: Master Profile Strategic Management and Control

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIE72	Corporate Strategies	6	A1X	4	C
TEIO90	Innovation Management	6	A1X	2	E
TKMJ49	Environmentally Driven Business Development	6*	A1X	3	E
TPPE16	Manufacturing Strategies	6	A1X	2	E
Period 2					
TDEI19	Management Control	6	A1X	2	C
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	E
TEIE42	Industrial Sales Management	6	A1X	4	E
TKMJ49	Environmentally Driven Business Development	6*	A1X	3	E

Specialisation: Master Profile Telecommunication

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSDT14	Signal Theory	6	A1X	1	C
TSKS01	Digital Communication	6*	A1X	4	C
TSKS15	Detection and Estimation of Signals	6	A1X	2	E
Period 2					
TSKS01	Digital Communication	6*	A1X	4	C

Specialisation: Master Profile Wood Technology

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKT80	Wood - Material	6	G2X	2	C
TMKM16	Sustainable Material Selection	6	A1X	4	E
Period 2					
TMKT81	Wood - Realisation	6	G2X	1	C
TMKU02	Wood - Realisation	6	G2X	1	C

Specialisation: Specialization Biotechnical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATM38	Mathematical Models in Biology	6	A1X	3	E
TKMJ31	Biofuels for Transportation	6	A1X	1	E
Period 2					
NBID31	Modelling of Biological Systems	6	A1X	3/4	C
TFBI17	Advanced Project Course in Ecosystem Service Valuation	6	A1X	-	E
TKMJ35	Industrial Ecology	6	G2X	3	E

Specialisation: Specialization Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDC88	Software Engineering	12*	A1X	1	C
TDDC17	Artificial Intelligence	6	G2X	3	E
TDDD23	Design and Programming of Computer Games	6	A1X	2	E
TDDD38	Advanced Programming in C++	6*	A1X	2	E
TDDE18	Programming C++	6*	G2X	2	E
Period 2					
TDDC88	Software Engineering	12*	A1X	1	C
TDDD38	Advanced Programming in C++	6*	A1X	-	E
TDDE01	Machine Learning	6	A1X	1	E
TDDE18	Programming C++	6*	G2X	1	E
TSIT02	Computer Security	6	G2X	2	E
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E

Specialisation: Specialization Electrical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB06	Multidimensional Signal Analysis	6*	A1X	2	E
TSBB08	Digital Image Processing	6	A1X	4	E
TSDT14	Signal Theory	6	A1X	1	E
TSKS01	Digital Communication	6*	A1X	4	E
TSKS15	Detection and Estimation of Signals	6	A1X	2	E
TSRT62	Modelling and Simulation	6	A1X	3	E
Period 2					
TSBB06	Multidimensional Signal Analysis	6*	A1X	3	E
TSBB09	Image Sensors	6	A1X	4	E
TSEA81	Computer Engineering and Real-time Systems	6	A1X	4	E
TSIT02	Computer Security	6	G2X	2	E
TSKS01	Digital Communication	6*	A1X	4	E
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E
TSRT78	Digital Signal Processing	6	A1X	2	E

Specialisation: Specialization Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ14	Large Technical Systems and the Environment	6	A1X	4	E
TMES09	Industrial Energy Systems	6	A1X	3	E
TMES27	Modelling of Energy Systems	6	A1X	3	E
Period 2					
TMES45	Energy Planning and Modelling of Communities	6	A1X	4	E
TMMV18	Fluid Mechanics	6	A1X	2	E

Specialisation: Specialization Mechanical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TANA21	Scientific Computing	6	G1X	3	E
TMKM16	Sustainable Material Selection	6	A1X	4	E
TMKT80	Wood - Material	6	G2X	2	E
TMPS33	Virtual Manufacturing	6	A1X	4	E
TMPS35	Emerging Factory Technologies	6	A1X	3	E
TMPT03	Production Engineering - Continuing Course	6	G2X	2	E
Period 2					
TMHP03	Engineering Systems Design	6	A1X	4	E
TMKM90	Engineering Materials - Deformation and Fracture	6	A1X	2	E
TMKT71	Affective Engineering	6	A1X	2	E
TMKT81	Wood - Realisation	6	G2X	1	E
TMKU02	Wood - Realisation	6	G2X	1	E
TMPS22	Assembly Technology	6	A1X	3	E
TMPS31	Sustainable Manufacturing	6	A1X	1	E

Semester 8 (Spring 2020)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIE06	Corporate Planning	6*	A1X	-	C
NBIC50	Ecotoxicology and Environmental Monitoring	6	G2X	1	E
TAMS29	Stochastic Processes Applied to Financial Models	6	A1X	3	E
TATA53	Linear Algebra, Honours Course	6*	G2X	-	E
TBMI26	Neural Networks and Learning Systems	6	A1X	2	E
TDDB68	Concurrent Programming and Operating Systems	6	G2X	3	E
TDDD17	Information Security, Second Course	6*	A1X	4	E
TDDD20	Design and Analysis of Algorithms	6	A1X	3	E
TDDD38	Advanced Programming in C++	6*	A1X	2	E

Course code	Course name	Credits	Level	Timetable module	ECV
TDDD41	Data Mining - Clustering and Association Analysis	6	A1X	3	E
TDDD51	Service Design and Innovation	6	A1X	4	E
TDDD57	Physical Interaction and Game Programming	6	A1X	1	E
TDDD75	Effect-Driven Development and Human-Centered Design of Interactive Systems	6	G2X	3	E
TDDD97	Web Programming	6	G2X	3	E
TDDE46	Software Quality	6*	A1X	2	E
TDEI71	Digitisation, Business Ecologies and Business Models	6	A1X	4	E
TDTS04	Computer Networks and Distributed Systems	8	G2X	2	E
TEIE88	Computer Law	4	G1X	1	E
TEIM09	International Business	6	A1X	2	E
TEIO13	Leadership and Organizational Change	6	A1X	4	E
TETS57	Logistics Analysis	6	A1X	2	E
TFYA45	Biotechnology Project	6*	A1X	-	E
TFYA62	Introduction to Biosensor Technology	6	G2X	4	E
TFYA85	Alternative Energy Sources and their Applications	6	G2X	4	E
TGTU91	Oral and Written Communication	6	G1X	2	E
TGTU94	Technology and Ethics	6	G1X	1	E
TKMJ10	Industrial Ecology	6	A1X	1	E
TKMJ47	Environmental Systems Analysis	6*	A1X	3	E
TMES17	Building Energy Systems	6	A1X	3	E
TMES43	Analysis and Modelling of Industrial Energy Systems	6	A1X	1	E
TMKA04	Wood - Innovation	6	A1X	1	E
TMKT48	Design Optimization	6	A1X	3	E
TMKT74	Advanced CAD	6	A1X	4	E
TMMS21	Mechatronics	6	G2X	1	E
TMPS42	Production System Automation	6	A1X	1	E
TMQU31	Statistical Quality Control	6	A1X	2	E
TPPE32	Financial Risk Management	6	A1X	2	E

Course code	Course name	Credits	Level	Timetable module	ECV
TPPE78	Quantitative Models and Analysis in Operations Management	6	A1X	1	E
TSBK07	Computer Graphics	6*	A1X	4	E
TSBK08	Data Compression	6	A1X	2	E
TSKS13	Wireless Communications	6	A1X	4	E
TSRT07	Industrial Control Systems	6	A1X	2	E
TSRT09	Control Theory	6	A1X	3	E
TSTE08	Analog and Discrete-Time Integrated Circuits	6	A1X	3	E
TVCB11	Cellbiological Methodology	6	G2X	1/4	E
Period 2					
TEIE06	Corporate Planning	6*	A1X	-	C
TATA53	Linear Algebra, Honours Course	6*	G2X	-	E
TDDC78	Programming of Parallel Computers - Methods and Tools	6	A1X	3	E
TDDD17	Information Security, Second Course	6*	A1X	4	E
TDDD27	Advanced Web Programming	6	A1X	3	E
TDDD38	Advanced Programming in C++	6*	A1X	-	E
TDDE07	Bayesian Learning	6	A1X	2	E
TDDE31	Big Data Analytics	6	A1X	3	E
TDDE41	Software Architectures	6	A1X	1	E
TDDE46	Software Quality	6*	A1X	2	E
TDEI35	Strategy and Management Control	6	A1X	2	E
TEAE13	Civil and Commercial Law	6	G1X	2	E
TEIM07	Industrial Market Research	6	A1X	2	E
TEIO06	Innovative Entrepreneurship	6	A1X	2	E
TEIO41	Corporate Social Responsibility	6	A1X	3	E
TETS36	Sustainable Logistics Systems	6	A1X	4	E
TETS56	Logistics and Quality in Health Care	6	A1X	2	E
TFYA45	Biotechnology Project	6*	A1X	-	E
TGTU95	Philosophy of Science and Technology	6	G1X	4	E
TKMJ47	Environmental Systems Analysis	6*	A1X	2	E
TMES21	Industrial Energy Systems	6	A1X	3	E

Course code	Course name	Credits	Level	Timetable module	ECV
TMES41	Strategic Development of Sustainable Energy Systems	6	A1X	2	E
TMKT57	Product Modelling	6	A1X	3	E
TMKT77	System Safety	6	A1X	4	E
TMKT83	Small Scale Renewable Energy Conversion	6	A1X	4	E
TMME11	Road Vehicle Dynamics	6	A1X	1	E
TMPS27	Production Systems	6	A1X	3	E
TMQU04	Six Sigma Quality	6	A1X	2	E
TMQU13	Customer Focused Product and Service Development	6	A1X	4	E
TPPE33	Portfolio Management	6	A1X	2	E
TPPE74	Design and Development of Manufacturing Operations	6	A1X	4	E
TSBK02	Image and Audio Coding	6	A1X	4	E
TSBK07	Computer Graphics	6*	A1X	1	E
TSFS06	Diagnosis and Supervision	6	A1X	1	E
TSKS14	Multiple Antenna Communications	6	A1X	3	E
TSKS16	Signal Processing for Communications	6	A1X	1	E
TSRT14	Sensor Fusion	6	A1X	2	E

Specialisation: Master Profile Automatic Control

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSRT07	Industrial Control Systems	6	A1X	2	E
TSRT09	Control Theory	6	A1X	3	E
Period 2					
TSFS06	Diagnosis and Supervision	6	A1X	1	E
TSRT14	Sensor Fusion	6	A1X	2	E

Specialisation: Master Profile Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 2					
TDDE41	Software Architectures	6	A1X	1	C

Specialisation: Master Profile Digitisation and Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDEI71	Digitisation, Business Ecologies and Business Models	6	A1X	4	C
Period 2					
TDEI35	Strategy and Management Control	6	A1X	2	C

Specialisation: Master Profile Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMES17	Building Energy Systems	6	A1X	3	E
TMES43	Analysis and Modelling of Industrial Energy Systems	6	A1X	1	E
Period 2					
TMES21	Industrial Energy Systems	6	A1X	3	E
TMKT83	Small Scale Renewable Energy Conversion	6	A1X	4	E

Specialisation: Master Profile Finance

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE32	Financial Risk Management	6	A1X	2	C
Period 2					
TPPE33	Portfolio Management	6	A1X	2	E

Specialisation: Master Profile Industrial Marketing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIM09	International Business	6	A1X	2	C/E
Period 2					
TEIM07	Industrial Market Research	6	A1X	2	C

Specialisation: Master Profile Logistics Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TETS57	Logistics Analysis	6	A1X	2	C/E
Period 2					
TETS36	Sustainable Logistics Systems	6	A1X	4	E
TETS56	Logistics and Quality in Health Care	6	A1X	2	E

Specialisation: Master Profile Manufacturing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPS42	Production System Automation	6	A1X	1	E
Period 2					
TMPS27	Production Systems	6	A1X	3	C

Specialisation: Master Profile Operations Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE78	Quantitative Models and Analysis in Operations Management	6	A1X	1	E
Period 2					
TPPE74	Design and Development of Manufacturing Operations	6	A1X	4	C

Specialisation: Master Profile Product Development

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKT48	Design Optimization	6	A1X	3	C
Period 2					
TMKT57	Product Modelling	6	A1X	3	C

Specialisation: Master Profile Project, Innovation and Entrepreneurship

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIO13	Leadership and Organizational Change	6	A1X	4	E
Period 2					
TEIO06	Innovative Entrepreneurship	6	A1X	2	E
TEIO41	Corporate Social Responsibility	6	A1X	3	E

Specialisation: Master Profile Quality Technology and Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMQU31	Statistical Quality Control	6	A1X	2	E
Period 2					
TMQU04	Six Sigma Quality	6	A1X	2	C/E
TMQU13	Customer Focused Product and Service Development	6	A1X	4	C/E
TETS56	Logistics and Quality in Health Care	6	A1X	2	E

Specialisation: Master Profile Signal and Image Processing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1X	2	E
TSBK07	Computer Graphics	6*	A1X	4	E
Period 2					
TSBK02	Image and Audio Coding	6	A1X	4	E
TSBK07	Computer Graphics	6*	A1X	1	E

Specialisation: Master Profile Strategic Management and Control

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIM09	International Business	6	A1X	2	E
TEIO13	Leadership and Organizational Change	6	A1X	4	E
Period 2					
TEIM07	Industrial Market Research	6	A1X	2	E
TETS36	Sustainable Logistics Systems	6	A1X	4	E

Specialisation: Master Profile Telecommunication

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBK08	Data Compression	6	A1X	2	E
TSKS13	Wireless Communications	6	A1X	4	E
Period 2					
TSBK02	Image and Audio Coding	6	A1X	4	E
TSKS14	Multiple Antenna Communications	6	A1X	3	E

Specialisation: Master Profile Wood Technology

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKA04	Wood - Innovation	6	A1X	1	C
Period 2					
TMKT57	Product Modelling	6	A1X	3	E
TMPS27	Production Systems	6	A1X	3	E

Specialisation: Specialization Biotechnical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
NBIC50	Ecotoxicology and Environmental Monitoring	6	G2X	1	E
TFYA45	Biotechnology Project	6*	A1X	-	E
TFYA85	Alternative Energy Sources and their Applications	6	G2X	4	E
TKMJ47	Environmental Systems Analysis	6*	A1X	3	E
Period 2					
TFYA45	Biotechnology Project	6*	A1X	-	E
TKMJ47	Environmental Systems Analysis	6*	A1X	2	E

Specialisation: Specialization Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1X	2	E
TDDB68	Concurrent Programming and Operating Systems	6	G2X	3	E
TDDD17	Information Security, Second Course	6*	A1X	4	E
TDDD20	Design and Analysis of Algorithms	6	A1X	3	E
TDDD38	Advanced Programming in C++	6*	A1X	2	E
TDDD41	Data Mining - Clustering and Association Analysis	6	A1X	3	E
TDDD75	Effect-Driven Development and Human-Centered Design of Interactive Systems	6	G2X	3	E
TDTS04	Computer Networks and Distributed Systems	8	G2X	2	E
Period 2					
TDDD17	Information Security, Second Course	6*	A1X	4	E
TDDD27	Advanced Web Programming	6	A1X	3	E
TDDD38	Advanced Programming in C++	6*	A1X	-	E
TDDE07	Bayesian Learning	6	A1X	2	E
TDDE31	Big Data Analytics	6	A1X	3	E
TDDE41	Software Architectures	6	A1X	1	E

Specialisation: Specialization Electrical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1X	2	E
TSBK07	Computer Graphics	6*	A1X	4	E
TSBK08	Data Compression	6	A1X	2	E
TSKS13	Wireless Communications	6	A1X	4	E
TSRT07	Industrial Control Systems	6	A1X	2	E
TSRT09	Control Theory	6	A1X	3	E
Period 2					
TSBK02	Image and Audio Coding	6	A1X	4	E
TSBK07	Computer Graphics	6*	A1X	1	E
TSFS06	Diagnosis and Supervision	6	A1X	1	E
TSKS14	Multiple Antenna Communications	6	A1X	3	E
TSKS16	Signal Processing for Communications	6	A1X	1	E
TSRT14	Sensor Fusion	6	A1X	2	E

Specialisation: Specialization Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ10	Industrial Ecology	6	A1X	1	E
TMES17	Building Energy Systems	6	A1X	3	E
TMES43	Analysis and Modelling of Industrial Energy Systems	6	A1X	1	E
Period 2					
TMES21	Industrial Energy Systems	6	A1X	3	E
TMES41	Strategic Development of Sustainable Energy Systems	6	A1X	2	E
TMKT83	Small Scale Renewable Energy Conversion	6	A1X	4	E

Specialisation: Specialization Mechanical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKA04	Wood - Innovation	6	A1X	1	E
TMKT48	Design Optimization	6	A1X	3	E
TMKT74	Advanced CAD	6	A1X	4	E
TMMS21	Mechatronics	6	G2X	1	E
TMPS42	Production System Automation	6	A1X	1	E
Period 2					
TMKT57	Product Modelling	6	A1X	3	E
TMKT77	System Safety	6	A1X	4	E
TMME11	Road Vehicle Dynamics	6	A1X	1	E
TMPS27	Production Systems	6	A1X	3	E

Semester 9 (Autumn 2020)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS39	Multivariate Statistical Methods	6	A1X	4	E
TATM38	Mathematical Models in Biology	6	A1X	3	E
TDDC34	Technical, Economic and Societal Evaluation of IT-products	6	A1X	3	E
TDDD04	Software Testing	6	A1X	2	E
TDDE15	Advanced Machine Learning	6	A1X	1	E
TDDE45	Software Design and Construction	6	A1X	4	E
TDEI72	Strategy and Digitisation - Technology, Standards and Network Effects	6	A1X	4	E
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1X	2	E
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	E
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1X	4	E
TETS38	Logistics Project	12*	A1X	4	E
TKMJ31	Biofuels for Transportation	6	A1X	1	E

Course code	Course name	Credits	Level	Timetable module	ECV
TMKT79	Collaborative Multidisciplinary Design Optimization	6	A1X	2	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	E
TMQU27	Quality Management - Project Course	12*	A1X	2	E
TMQU47	Quality Engineering and Design	6	A1X	4	E
TPPE53	Financial Valuation Methodology	6	A1X	2	E
TPPE66	Investment Valuation	6*	A1X	4	E
TPPE73	Operations Management - Project Course	12*	A1X	4	E
TPPE99	Simulation in Production and Logistics	6	A1X	3	E
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1X	1	E
TSIT03	Cryptology	6	A1X	2	E
TSKS12	Modern Channel Coding, Inference and Learning	6	A1X	1	E
Period 2					
TAOP18	Supply Chain Optimization	6	A1X	1	E
TDDB44	Compiler Construction	6	A1X	1	E
TDDC90	Software Security	6	A1X	1	E
TDDD89	Scientific Method	6	A1X	3	E
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1X	2	E
TEAE18	Sustainable Value Chain Strategies	6	A1X	4	E
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	E
TEIM10	Industrial Service Development	6	A1X	2	E
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1X	4	E
TETS31	Logistics Strategies	6	A1X	4	E
TETS38	Logistics Project	12*	A1X	2	E
TFBI17	Advanced Project Course in Ecosystem Service Valuation	6	A1X	-	E
TKMJ32	Integrated Product Service Engineering	6	A1X	3	E
TMES51	International Energy Markets	6	A1X	1	E

Course code	Course name	Credits	Level	Timetable module	ECV
TMKA03	Industrial Design	6	G2X	1	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	E
TMQU12	Lean Production	6	A1X	2	E
TMQU27	Quality Management - Project Course	12*	A1X	4	E
TPPE61	Financial Optimization	6	A1X	2	E
TPPE66	Investment Valuation	6*	A1X	4	E
TPPE73	Operations Management - Project Course	12*	A1X	4	E
TSRT08	Optimal Control	6	A1X	3	E

Specialisation: Master Profile Automatic Control

Course code	Course name	Credits	Level	Timetable module	ECV
Period 2					
TSRT08	Optimal Control	6	A1X	3	E

Specialisation: Master Profile Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD04	Software Testing	6	A1X	2	C
TDDE45	Software Design and Construction	6	A1X	4	C
Period 2					
TDDD89	Scientific Method	6	A1X	3	C

Specialisation: Master Profile Digitisation and Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDC34	Technical, Economic and Societal Evaluation of IT-products	6	A1X	3	E

Specialisation: Master Profile Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ31	Biofuels for Transportation	6	A1X	1	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E
Period 2					
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E

Specialisation: Master Profile Finance

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE53	Financial Valuation Methodology	6	A1X	2	E
TPPE66	Investment Valuation	6*	A1X	4	E
Period 2					
TPPE61	Financial Optimization	6	A1X	2	E
TPPE66	Investment Valuation	6*	A1X	4	E

Specialisation: Master Profile Industrial Marketing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	C
Period 2					
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	C

Specialisation: Master Profile Logistics Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TETS38	Logistics Project	12*	A1X	4	C
TPPE99	Simulation in Production and Logistics	6	A1X	3	E
Period 2					
TETS38	Logistics Project	12*	A1X	2	C
TETS31	Logistics Strategies	6	A1X	4	E

Specialisation: Master Profile Manufacturing

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	C
Period 2					
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	C

Specialisation: Master Profile Operations Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE73	Operations Management - Project Course	12*	A1X	4	C
TPPE99	Simulation in Production and Logistics	6	A1X	3	E
Period 2					
TPPE73	Operations Management - Project Course	12*	A1X	4	C

Specialisation: Master Profile Product Development

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	C
Period 2					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	C

Specialisation: Master Profile Project, Innovation and Entrepreneurship

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1X	4	C
Period 2					
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1X	4	C

Specialisation: Master Profile Quality Technology and Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMQU27	Quality Management - Project Course	12*	A1X	2	C
TMQU47	Quality Engineering and Design	6	A1X	4	E
Period 2					
TMQU27	Quality Management - Project Course	12*	A1X	4	C

Specialisation: Master Profile Strategic Management and Control

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1X	2	C
TDEI72	Strategy and Digitisation - Technology, Standards and Network Effects	6	A1X	4	E
Period 2					
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1X	2	C
TEAE18	Sustainable Value Chain Strategies	6	A1X	4	E
TEIM10	Industrial Service Development	6	A1X	2	E
TMQU12	Lean Production	6	A1X	2	E

Specialisation: Master Profile Telecommunication

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSKS12	Modern Channel Coding, Inference and Learning	6	A1X	1	E

Specialisation: Master Profile Wood Technology

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	C
Period 2					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	C

Specialisation: Specialization Biotechnical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATM38	Mathematical Models in Biology	6	A1X	3	E
Period 2					
TFBI17	Advanced Project Course in Ecosystem Service Valuation	6	A1X	-	E

Specialisation: Specialization Computer Science and Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD04	Software Testing	6	A1X	2	E
TDDE15	Advanced Machine Learning	6	A1X	1	E
TDDE45	Software Design and Construction	6	A1X	4	E
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1X	1	E
TSIT03	Cryptology	6	A1X	2	E

Specialisation: Specialization Electrical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1X	1	E
TSIT03	Cryptology	6	A1X	2	E
TSKS12	Modern Channel Coding, Inference and Learning	6	A1X	1	E
Period 2					
TSRT08	Optimal Control	6	A1X	3	E

Specialisation: Specialization Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ31	Biofuels for Transportation	6	A1X	1	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E
Period 2					
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E

Specialisation: Specialization Mechanical Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMKT79	Collaborative Multidisciplinary Design Optimization	6	A1X	2	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	E
Period 2					
TKMJ32	Integrated Product Service Engineering	6	A1X	3	E
TMKA03	Industrial Design	6	G2X	1	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1X	-	E

Semester 10 (Spring 2021)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TQXX33	Degree project - Master's Thesis	30*	A1X	-	C
Period 2					
TQXX33	Degree project - Master's Thesis	30*	A1X	-	C

ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods