

Industrial Engineering and Management, M Sc in Engineering

300 credits

Civilingenjör i industriell ekonomi

6CIII

Valid from: 2015 Spring semester

Determined byBoard of Studies for Industrial
Engineering and Logistics

Date determined

Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp



Curriculum

Semester 4 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAOP37	Operations Research, Extended Course	4	G2X	3	С
TPPE98	Economic Analysis: Economic Theory	4	G2X	4	С
TDDE10	Object Oriented Programming in Java	6	G2F	2	E
TFBI11	Genetics and Evolution	6	G1X	2	E
TMMV04	Engineering Thermodynamics	6	G1X	2	E
TMPT07	Manufacturing Technology	6	G2X	2	E
TRTE16	Basic Principles for Environmental Chemistry	6*	G1X	1	E
TSRT12	Automatic Control	6	G2X	1	E
Period 2					
TAMS65	Mathematical Statistics, second course	6	G2F	2	С
TPPE24	Economic Analysis: Decision- and Financial Methodology	6	G2X	3	С
TATA80	Transform Theory	6	G1X	1	E
TATA82	Discrete Mathematics	6	G1F	1	E
TMES44	Energy Systems - Supply and Demand	6	G2X	1	E
TMKT14	CAD and Machine Elements	6	G2X	1	E
TRTE16	Basic Principles for Environmental Chemistry	6*	G1X	1	E
TPTE06	Industrial Placement	6	G1X	-	V

$Specialisation: Biotechnical \ Engineering \ Specialization$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFBI11	Genetics and Evolution	6	G1X	2	С
TRTE16	Basic Principles for Environmental Chemistry	6*	G1X	1	С
Period 2					
TRTE16	Basic Principles for Environmental Chemistry	6*	G1X	1	С



Specialisation: Computer Science and Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDE10	Object Oriented Programming in Java	6	G2F	2	С
Period 2					
TATA82	Discrete Mathematics	6	G1F	1	С

Specialisation: Electrical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSRT12	Automatic Control	6	G2X	1	С
Period 2					
TATA80	Transform Theory	6	G1X	1	С

Specialisation: Energy Engineering Specialization

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

Specialisation: Mechanical Engineering Specialization

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

Semester 5 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE13	Production and Operations Management	6	G2X	1	С
TDDE22	Data Structures and Algorithms	6	G2F	3	Е



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Course code	Course name	Credits	Level	Timetable module	ECV
TFBI22	Cell Biology and Microbial Processes	6	G1X	3	E
THEN18	English	6*	G1X	4	E
THFR05	Communicative French	6*	G1X	4	E
THSP05	Spanish	6*	G1X	4	E
THTY05	German	6*	G1X	4	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
TSEA52	Switching Theory and Logical Design	6*	G1X	2	E
TSEA57	Computer Hardware and Architecture	6*	G1X	3	E
TSRT22	Automatic Control	6	G2X	4	E
Period 2					
TEIO04	Project Management	6	G2X	2	С
NBIB45	Principles in Physiology and Ethics	6	G1F	1	E
TDTS10	Computer Architecture	6	G1F	3	E
TEAE05	Resource Theory	6	G1X	1	E
TEIM03	Intercultural Communication	4	G1X	4	E
THEN18	English	6*	G1X	4	E
THFR05	Communicative French	6*	G1X	4	E
THSP05	Spanish	6*	G1X	4	E
THTY05	German	6*	G1X	4	E
TKMJ35	Industrial Ecology	6	G2X	3	E
ТКМЈ39	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
TSDT18	Signals and Systems	6	G2F	3	E
TSEA52	Switching Theory and Logical Design	6*	G1X	4	E
TSEA57	Computer Hardware and Architecture	6*	G1X	1	E



Specialisation: Biotechnical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFBI22	Cell Biology and Microbial Processes	6	G1X	3	С
Period 2					
NBIB45	Principles in Physiology and Ethics	6	G1F	1	С
TKMJ35	Industrial Ecology	6	G2X	3	E

Specialisation: Computer Science and Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSEA52	Switching Theory and Logical Design	6*	G1X	2	С
TDDE22	Data Structures and Algorithms	6	G2F	3	E
Period 2					
TDTS10	Computer Architecture	6	G1F	3	С
TSEA52	Switching Theory and Logical Design	6*	G1X	4	С

Specialisation: Electrical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSEA52	Switching Theory and Logical Design	6*	G1X	2	С
TSEA57	Computer Hardware and Architecture	6*	G1X	3	С
Period 2					
TSDT18	Signals and Systems	6	G2F	3	С
TSEA52	Switching Theory and Logical Design	6*	G1X	4	С
TSEA57	Computer Hardware and Architecture	6*	G1X	1	С



Specialisation: Energy Engineering Specialization

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

Specialisation: Mechanical Engineering Specialization

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

Semester 6 (Spring 2018)



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIM32	Industrial Marketing	6	G2X	4	С
TDDD81	Database Technology	6*	G2F	2	E
TDDD83	Computer Engineering - Bachelor Project	18*	G2E	1/3	E
TDDE11	Object Oriented Programming in Java	4	G2X	1	E
TFBI23	Ecology and the Environment	6	G1X	3	E
TFBI24	Biotechnology - Bachelor Project	18*	G2E	2	Е
TFYA89	Natural Sciences for Engineers - Principles and Applications	6*	G2X	-	E
THFR05	Communicative French	6*	G1X	4	Е
THSP05	Spanish	6*	G1X	4	Е
THTY05	German	6*	G1X	4	Е
TMMV04	Engineering Thermodynamics	6	G1X	2	Е
TMMV16	Energy Engineering - Bachelor Project	18*	G2X	3	Е
TMMV58	Modelling and Simulation of Energy and Heat Transfer Processes	6	G2X	1	E
TMPS32	Mechanical Engineering - Bachelor Project	18*	G2X	3	Е
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	2	E
Period 2					
TDDD81	Database Technology	6*	G2F	4	Е
TDDD83	Computer Engineering - Bachelor Project	18*	G2E	1/3	Е
TFBI24	Biotechnology - Bachelor Project	18*	G2E	2/3/4	Е
TFYA89	Natural Sciences for Engineers - Principles and Applications	6*	G2X	-	E
THFR05	Communicative French	6*	G1X	4	Е
THSP05	Spanish	6*	G1X	4	E
THTY05	German	6*	G1X	4	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	Е



Specialisation: Biotechnical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFBI23	Ecology and the Environment	6	G1X	3	С
TFBI24	Biotechnology - Bachelor Project	18*	G2E	2	С
Period 2					
TFBI24	Biotechnology - Bachelor Project	18*	G2E	2/3/4	С

Specialisation: Computer Science and Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD81	Database Technology	6*	G2F	2	С
TDDD83	Computer Engineering - Bachelor Project	18*	G2E	1/3	С
Period 2					
TDDD81	Database Technology	6*	G2F	4	С
TDDD83	Computer Engineering - Bachelor Project	18*	G2E	1/3	С

Specialisation: Electrical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDE11	Object Oriented Programming in Java	4	G2X	1	С
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	2	С
Period 2					
TSEA56	Electronics Engineering - Bachelor Project	16*	G2X	-	С
TSKS10	Signals, Information and Communication	4	G2X	3	С

Specialisation: Energy Engineering Specialization

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



Specialisation: Mechanical Engineering Specialization

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

Semester 7 (Autumn 2018)

TAMS32 Stochastic Processes 6 A1N 1 E TAMS46 Probability Theory, Second Course 6 A1N 3 E TANA21 Scientific Computing 6 G1F 3 E TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA34 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIE72 Corporate Strategies 6 A1N 2 E TEIO7 Project Based Organization and Management 6 A1N 2 E TEIS23 Purchasing 6 A1N 2 E	Course code	Course name	Credits	Level	Timetable module	ECV
TAMS46 Probability Theory, Second Course 6 A1N 3 E TANA21 Scientific Computing 6 G1F 3 E TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC38 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIC72 Project Based Organization and Management 6 A1X 4 E TEIC90 Innovation Management 6 A1N 2 E	Period 1					
TANA21 Scientific Computing 6 G1F 3 E TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE18 Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIC72 Project Based Organization and Management 6 A1X 4 E TEIC90 Innovation Management 6 A1N 2 E	TAMS32	Stochastic Processes	6	A1N	1	Е
TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC38 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIO7 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E	TAMS46	Probability Theory, Second Course	6	A1N	3	Е
TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEICO7 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E	TANA21	Scientific Computing	6	G1F	3	Е
TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E	TAOP34	Large Scale Optimization	6	A1N	3	Е
TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TATA34	Real Analysis, Honours Course	6*	G2F	4	E
TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 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 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TATA44	Vector Analysis	4	G1F	1	E
TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 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 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TATM38	Mathematical Models in Biology	6	A1N	3	E
TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 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 TEI672 Corporate Strategies 6 A1X 4 E TEI007 Project Based Organization and Management 6 A1X 4 E TEI090 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDDC17	Artificial Intelligence	6	G2F	3	E
TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 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 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDDC88	Software Engineering	12*	A1N	1	E
TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 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 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDDD23	Design and Programming of Computer Games	6	A1N	2	Е
TDDE18 Programming C++ Enterprise Resource Planning Systems: Process and Implementation Strategy and Digitisation - Technology, Standards and Network Effects FEIE72 Corporate Strategies TEIO07 Project Based Organization and Management Enterprise Resource Planning Systems: 6 A1X 2 E Enterprise Resource Planning Systems: 6 A1X 4 E Enterprise Resource Planning Systems: 6 A1X 2 E	TDDD38	Advanced Programming in C++	6*	A1N	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 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDDD43	Advanced Data Models and Databases	6*	A1N	2	E
TDEIT3 Process and Implementation 6 A1X 2 E TDEIT2 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIET2 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDDE18	Programming C++	6*	G2F	2	E
TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDEI13		6	A1X	2	E
TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E	TDEI72	-, -	6	A1X	4	E
TEIO90Innovation Management6A1N2ETETS23Purchasing6A1N2E	TEIE72	Corporate Strategies	6	A1X	4	E
TETS23 Purchasing 6 A1N 2 E	TEIO07	Project Based Organization and Management	6	A1X	4	E
	TEIO90	Innovation Management	6	A1N	2	E
TETS37 Basics in Logistics Management 6 G2X 4 E	TETS23	Purchasing	6	A1N	2	E
	TETS37	Basics in Logistics Management	6	G2X	4	E



Course code	Course name	Credits	Level	Timetable module	ECV
TKMJ31	Biofuels for Transportation	6	A1N	1	E
TKMJ49	Environmentally Driven Business Development	6*	A1N	3	Е
TMES09	Industrial Energy Systems	6	A1X	3	Е
TMES27	Modelling of Energy Systems	6	A1N	3	E
TMKM16	Sustainable Material Selection	6	A1X	4	E
TMKT80	Wood - Material	6	G2X	2	E
TMPS35	Emerging Factory Technologies	6	A1N	3	E
TMQU03	Quality Management and Engineering	6	G2X	2	E
TPPE16	Manufacturing Strategies	6	A1X	2	E
TPPE17	Corporate Finance	6	G2X	4	Е
TSBB06	Multidimensional Signal Analysis	6*	A1X	2	E
TSBB08	Digital Image Processing	6	A1X	4	Е
TSDT14	Signal Theory	6	A1X	1	Е
TSKS01	Digital Communication	6*	A1X	4	Е
TSKS15	Detection and Estimation of Signals	6	A1X	2	Е
TSRT62	Modelling and Simulation	6	A1X	3	Е
TSTE86	Digital Integrated Circuits	6	A1X	2	E
Period 2					
NBID31	Modelling of Biological Systems	6	A1X	3/4	E
TAOP04	Mathematical Optimization	6	A1N	4	E
TATA34	Real Analysis, Honours Course	6*	G2F	4	E
TATA45	Complex Analysis	6	G2F	1	E
TDDC88	Software Engineering	12*	A1N	1	E
TDDD07	Real Time Systems	6	A1N	4	E
TDDD38	Advanced Programming in C++	6*	A1N	-	E
TDDD43	Advanced Data Models and Databases	6*	A1N	2	E
TDDD55	Compilers and Interpreters	4	G2F	1	E
TDDE01	Machine Learning	6	A1N	1	E
TDDE18	Programming C++	6*	G2F	1	E
TDEI19	Management Control	6	A1X	2	Е
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	E



Course code	Course name	Credits	Level	Timetable module	ECV
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
TKMJ35	Industrial Ecology	6	G2F	3	E
TKMJ49	Environmentally Driven Business Development	6*	A1N	3	E
TMES45	Energy Planning and Modelling of Communities	6	A1F	4	E
TMHL63	Introduction to Computational Mechanics	6	G2X	3	E
ТМКМ90	Engineering Materials - Deformation and Fracture	6	A1X	2	E
TMKT71	Affective Engineering	6	A1X	2	E
TMKT81	Wood - Realisation	6	G2X	1	E
TMMV18	Fluid Mechanics	6	A1X	2	E
TMMV54	Computational Heat Transfer	6	A1X	1	E
TMPS18	Engineering Design and Product Development	6	A1X	3	E
TMPS22	Assembly Technology	6	A1N	3	E
TMQU12	Lean Production	6	A1X	2	E
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	G2F	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



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATM38	Mathematical Models in Biology	6	A1N	3	Е
TKMJ31	Biofuels for Transportation	6	A1N	1	E
Period 2					
NBID31	Modelling of Biological Systems	6	A1X	3/4	С
TFBI17	Advanced Project Course in Ecosystem Service Valuation	6	A1X	-	E
TKMJ35	Industrial Ecology	6	G2F	3	E

Specialisation: Computer Science and Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDC88	Software Engineering	12*	A1N	1	С
TDDC17	Artificial Intelligence	6	G2F	3	E
TDDD23	Design and Programming of Computer Games	6	A1N	2	E
TDDD38	Advanced Programming in C++	6*	A1N	2	E
TDDE18	Programming C++	6*	G2F	2	E
TSTE86	Digital Integrated Circuits	6	A1X	2	E
Period 2					
TDDC88	Software Engineering	12*	A1N	1	С
TDDD38	Advanced Programming in C++	6*	A1N	-	E
TDDD55	Compilers and Interpreters	4	G2F	1	E
TDDE01	Machine Learning	6	A1N	1	E
TDDE18	Programming C++	6*	G2F	1	E
TSEA81	Computer Engineering and Real-time Systems	6	A1X	4	E
TSIT02	Computer Security	6	G2F	2	E
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E



Specialisation: Electrical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB06	Multidimensional Signal Analysis	6*	A1X	2	Е
TSBB08	Digital Image Processing	6	A1X	4	Е
TSDT14	Signal Theory	6	A1X	1	Е
TSKS01	Digital Communication	6*	A1X	4	Е
TSKS15	Detection and Estimation of Signals	6	A1X	2	Е
TSRT62	Modelling and Simulation	6	A1X	3	Е
TSTE86	Digital Integrated Circuits	6	A1X	2	Е
Period 2					
TSBB06	Multidimensional Signal Analysis	6*	A1X	3	Е
TSBB09	Image Sensors	6	A1X	4	E
TSEA81	Computer Engineering and Real-time Systems	6	A1X	4	Е
TSIT02	Computer Security	6	G2F	2	E
TSKS01	Digital Communication	6*	A1X	4	Е
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E
TSRT78	Digital Signal Processing	6	A1X	2	E

Specialisation: Energy Engineering Specialization

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	A1N	3	E
Period 2					
TMES45	Energy Planning and Modelling of Communities	6	A1F	4	E
TMMV18	Fluid Mechanics	6	A1X	2	E
TMMV54	Computational Heat Transfer	6	A1X	1	E



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSDT14	Signal Theory	6	A1X	1	С
TSRT62	Modelling and Simulation	6	A1X	3	С
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*	A1N	1	С
Period 2					
TDDC88	Software Engineering	12*	A1N	1	С

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	С
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	С
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	Е
TMES27	Modelling of Energy Systems	6	A1N	3	E
Period 2					
TMMV18	Fluid Mechanics	6	A1X	2	E
TMMV54	Computational Heat Transfer	6	A1X	1	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	С

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	С
TETS23	Purchasing	6	A1N	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					
TMPS35	Emerging Factory Technologies	6	A1N	3	E
Period 2					
TMPS22	Assembly Technology	6	A1N	3	С

Specialisation: Master Profile Operations Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TPPE16	Manufacturing Strategies	6	A1X	2	Е
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					
TMPS18	Engineering Design and Product Development	6	A1X	3	E

Specialisation: Master Profile Project, Innovation and Entrepreneurship

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIO90	Innovation Management	6	A1N	2	С
TEIO07	Project Based Organization and Management	6	A1X	4	E
TKMJ49	Environmentally Driven Business Development	6*	A1N	3	E
Period 2					
TKMJ49	Environmentally Driven Business Development	6*	A1N	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	С
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	С
TSDT14	Signal Theory	6	A1X	1	С
TSBB06	Multidimensional Signal Analysis	6*	A1X	2	Е
Period 2					
TSBB06	Multidimensional Signal Analysis	6*	A1X	3	E
TSBB09	Image Sensors	6	A1X	4	Е
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	С
TEIO90	Innovation Management	6	A1N	2	E
TKMJ49	Environmentally Driven Business Development	6*	A1N	3	Е
TPPE16	Manufacturing Strategies	6	A1X	2	E
Period 2					
TDEI19	Management Control	6	A1X	2	С
TDEI21	Strategic Organisational Application of IT - Workflow and Knowledge Management	6	A1X	4	E
TEIE42	Industrial Sales Management	6	A1X	4	Е
TKMJ49	Environmentally Driven Business Development	6*	A1N	3	E



Specialisation: Master Profile Telecommunication

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSDT14	Signal Theory	6	A1X	1	С
TSKS01	Digital Communication	6*	A1X	4	С
TSKS15	Detection and Estimation of Signals	6	A1X	2	Е
Period 2					
TSKS01	Digital Communication	6*	A1X	4	С
TSIT02	Computer Security	6	G2F	2	E
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E

Specialisation: Master Profile Wood Technology

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

Specialisation: Mechanical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TANA21	Scientific Computing	6	G1F	3	E
TMKM16	Sustainable Material Selection	6	A1X	4	E
TMKT80	Wood - Material	6	G2X	2	E
TMPS35	Emerging Factory Technologies	6	A1N	3	Е
Period 2					
ТМКМ90	Engineering Materials - Deformation and Fracture	6	A1X	2	E
TMKT71	Affective Engineering	6	A1X	2	Е
TMKT81	Wood - Realisation	6	G2X	1	E
TMPS18	Engineering Design and Product Development	6	A1X	3	E
TMPS22	Assembly Technology	6	A1N	3	E



Semester 8 (Spring 2019)

Period 1 TEIEO6 Corporate Planning 6* A1X - C NBIC50 Ecotoxicology and Environmental Monitoring 6 G2X 1 E TAMS29 Stochastic Processes Applied to Financial Models TATA53 Linear Algebra, Honours Course 6* G2F - E TBMI26 Neural Networks and Learning Systems 6 A1N 2 E TDDB68 Concurrent Programming and Operating Systems 6 A1N 2 E TDDD17 Information Security, Second Course 6* A1X 4 E TDDD20 Design and Analysis of Algorithms 6 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD57 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 A2N 2 E TDDD97 Web Programming 6 G2X 3 E TDDD97 Web Programming 6 G2X 3 E TDDD97 Web Programming 6 G2X 3 E TDDE46 Software Quality 6* A1N 2 E TDE171 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 6 A1X 4 E TEIM09 International Business 6 A1X 2 E TEIE88 Computer Law 4 G1X 1 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEITS57 Logistics Analysis 6 A1X 2 E TFYA45 Biotechnology Project 6* A1X 2 E TFYA45 Biotechnology Project 6* A1X - E TFYA85 Alternative Energy Sources and their Applications 6 G1X 1 E	Course code	Course name	Credits	Level	Timetable module	ECV
NBIC50 Ecotoxicology and Environmental Monitoring 6 G2X 1 E TAMS29 Stochastic Processes Applied to Financial Models TATA53 Linear Algebra, Honours Course 6* G2F - E TBMI26 Neural Networks and Learning Systems 6 A1N 2 E TDDB68 Concurrent Programming and Operating Systems 6 A1N 2 E TDDD17 Information Security, Second Course 6* A1X 4 E TDDD20 Design and Analysis of Algorithms 6 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 A1N 2 E TDDD97 Web Programming 6 G2F 3 E TDDD97 Web Programming 6 G2F 3 E TDDE171 Digitisation, Business Ecologies and Business Models 6 A1N 4 E TDS04 Computer Networks and Distributed Systems 8 G2F 2 E TEIE88 Computer Law 4 G1X 1 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEIS57 Logistics Analysis 6 A1X 2 E TFYA65 Alternative Energy Sources and their Applications 6 G2X 4 E TFYA85 Alternative Energy Sources and their Applications	Period 1					
TAMS29 Stochastic Processes Applied to Financial Models TATA53 Linear Algebra, Honours Course 6* G2F - E TBMI26 Neural Networks and Learning Systems 6 A1N 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 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis TDDD51 Service Design and Innovation 6 A1N 3 E TDDD51 Service Design and Innovation 6 A1N 1 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems TDDD97 Web Programming 6 G2X 3 E TDDD97 Web Programming 6 G2X 3 E TDDD97 Web Programming 6 G2X 3 E TDDD97 Digitisation, Business Ecologies and Business 6 A1N 4 E TDTS04 Computer Networks and Distributed Systems 8 G2F 2 E TEIR88 Computer Law 4 G1X 1 E TEIR09 International Business 6 A1X 2 E TEIR01 Leadership and Organizational Change 6 A1X 4 E TETS57 Logistics Analysis 6 A1X 2 E TFYA65 Alternative Energy Sources and their Applications 6 G2X 4 E TFYA85 Alternative Energy Sources and their Applications	TEIE06	Corporate Planning	6*	A1X	-	С
Models TATA53 Linear Algebra, Honours Course 6* G2F - E TBMI26 Neural Networks and Learning Systems 6 A1N 2 E TDDB68 Concurrent Programming and Operating Systems Concurrent Programming and Operating 6 G2X 3 E TDDD17 Information Security, Second Course 6* A1X 4 E TDDD20 Design and Analysis of Algorithms 6 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis S TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDDE71 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 8 G2F 2 E TEIE88 Computer Law 4 G1X 1 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEIO13 Leadership and Organizational Change 6 A1X 4 E TES57 Logistics Analysis 6 A1X 2 E TFYA62 Introduction to Biosensor Technology 6 G2X 4 E TFYA65 Alternative Energy Sources and their Applications	NBIC50	Ecotoxicology and Environmental Monitoring	6	G2X	1	E
TBMI26 Neural Networks and Learning Systems 6 A1N 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 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis 6 A1N 3 E TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDE171 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 8 G2F 2 E TEIE88 Computer Law 4 G1X 1 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEIM09 International Business 6 A1X 2 E TEIS57 Logistics Analysis 6 A1X 2 E TFYA62 Introduction to Biosensor Technology 6 G2X 4 E TFYA65 Alternative Energy Sources and their Applications	TAMS29		6	A1F	3	E
TDDB68 Concurrent Programming and Operating Systems TDDD17 Information Security, Second Course 6* A1X 4 E TDDD20 Design and Analysis of Algorithms 6 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDD97 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 8 G2F 2 E TEIE88 Computer Law 4 G1X 1 E TEIM09 International Business 6 A1X 2 E TEIO13 Leadership and Organizational Change 6 A1X 2 E TFYA62 Introduction to Biosensor Technology 6 G2X 4 E TFYA65 Alternative Energy Sources and their Applications	TATA53	Linear Algebra, Honours Course	6*	G2F	-	Е
TDDD17 Information Security, Second Course 6* A1X 4 E TDDD20 Design and Analysis of Algorithms 6 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis 6 A1N 3 E TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD57 Physical Interaction and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2X 3 E TDDD97 Web Programming 6 A1N 2 E TDDD18 Digitisation, Business Ecologies and Business Models 6 A1N 4 E TDE171 Digitisation, Business Ecologies and Business 6 A1N 4 E TDTS04 Computer Networks and Distributed Systems 8 G2F 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 TFYA45 Alternative Energy Sources and their Applications 6 G2X 4 E	TBMI26	Neural Networks and Learning Systems	6	A1N	2	E
TDDD20 Design and Analysis of Algorithms 6 A1N 3 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis 6 A1N 3 E TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDD46 Software Quality 6* A1N 2 E TDEI71 Digitisation, Business Ecologies and Business Models 6 A1N 4 E TEIE88 Computer Networks and Distributed Systems 8 G2F 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 TFYA45 Biotechnology Project 6* A1X - E TFYA45 Introduction to Biosensor Technology 6 G2X 4 E TFYA85 Alternative Energy Sources and their Applications	TDDB68		6	G2X	3	E
TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD41 Data Mining - Clustering and Association Analysis 6 A1N 3 E TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDE171 Digitisation, Business Ecologies and Business Models 6 A1N 4 E TDTS04 Computer Networks and Distributed Systems 8 G2F 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	TDDD17	Information Security, Second Course	6*	A1X	4	E
TDDD41 Data Mining - Clustering and Association Analysis Figure 1 Figure 1 Figure 2 Figure 3 Figure 4 Figure 4	TDDD20	Design and Analysis of Algorithms	6	A1N	3	Е
TDDD51 Service Design and Innovation 6 A1X 4 E TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDE171 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 8 G2F 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 TFYA62 Introduction to Biosensor Technology 6 G2X 4 E TFYA85 Alternative Energy Sources and their Applications	TDDD38	Advanced Programming in C++	6*	A1N	2	E
TDDD57 Physical Interaction and Game Programming 6 A1N 1 E TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDEI71 Digitisation, Business Ecologies and Business 6 A1N 4 E TDTS04 Computer Networks and Distributed Systems 8 G2F 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 TFYA62 Introduction to Biosensor Technology 6 G2X 4 E TFYA85 Alternative Energy Sources and their Applications 6 G2X 4 E	TDDD41		6	A1N	3	E
TDDD75 Effect-Driven Development and Human-Centered Design of Interactive Systems 6 G2X 3 E TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDE171 Digitisation, Business Ecologies and Business Models 6 A1N 4 E TDTS04 Computer Networks and Distributed Systems 8 G2F 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	TDDD51	Service Design and Innovation	6	A1X	4	E
TDDD75 Centered Design of Interactive Systems TDDD97 Web Programming 6 G2F 3 E TDDE46 Software Quality 6* A1N 2 E TDEI71 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 6 A1N 4 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	TDDD57	Physical Interaction and Game Programming	6	A1N	1	E
TDDE46 Software Quality 6* A1N 2 E TDE171 Digitisation, Business Ecologies and Business Models 6 A1N 4 E TDTS04 Computer Networks and Distributed Systems 8 G2F 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	TDDD75	·	6	G2X	3	E
TDEI71 Digitisation, Business Ecologies and Business Models TDTS04 Computer Networks and Distributed Systems 8 G2F 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	TDDD97	Web Programming	6	G2F	3	E
TDEI/T Models TDTS04 Computer Networks and Distributed Systems 8 G2F 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	TDDE46	Software Quality	6*	A1N	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	TDEI71		6	A1N	4	E
TEIM09International Business6A1X2ETEIO13Leadership and Organizational Change6A1X4ETETS57Logistics Analysis6A1X2ETFYA45Biotechnology Project6*A1X-ETFYA62Introduction to Biosensor Technology6G2X4ETFYA85Alternative Energy Sources and their Applications6G2X4E	TDTS04	Computer Networks and Distributed Systems	8	G2F	2	Е
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	TEIE88	Computer Law	4	G1X	1	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	TEIM09	International Business	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	TEIO13	Leadership and Organizational Change	6	A1X	4	E
TFYA62 Introduction to Biosensor Technology 6 G2X 4 E TFYA85 Alternative Energy Sources and their Applications 6 G2X 4 E	TETS57	Logistics Analysis	6	A1X	2	Е
TFYA85 Alternative Energy Sources and their Applications 6 G2X 4 E	TFYA45	Biotechnology Project	6*	A1X	-	E
Applications 6 G2X 4 E	TFYA62	Introduction to Biosensor Technology	6	G2X	4	E
TGTU01 Technology and Ethics 6 G1X 1 E	TFYA85		6	G2X	4	E
	TGTU01	Technology and Ethics	6	G1X	1	E



TKMJ10 Inc TKMJ47 En TMES17 Bu	ral and Written Communication dustrial Ecology vironmental Systems Analysis uilding Energy Systems halysis and Modelling of Industrial Energy stems ood - Innovation	6 6 6* 6	G1F A1X A1N A1N	2 1 2 3	E E E
TKMJ47 En TMES17 Bu TMES43 An	vironmental Systems Analysis uilding Energy Systems nalysis and Modelling of Industrial Energy stems	6* 6	A1N A1N	2	E
TMES17 Bu	nilding Energy Systems nalysis and Modelling of Industrial Energy stems	6	A1N	_	
TMFS43	nalysis and Modelling of Industrial Energy stems			3	E
HVIF543	stems	6	Δ1F		
	ood - Innovation		7121	1	E
TMKA04 W		6	A1X	1	E
TMKT48 De	esign Optimization	6	A1X	3	E
TMMS21 Me	echatronics	6	G2X	1	E
TMPS42 Pro	oduction System Automation	6	A1X	1	E
TMQU31 Sta	atistical Quality Control	6	A1X	2	E
TPPE32 Fir	nancial Risk Management	6	A1X	2	E
TPPF/8	uantitative Models and Analysis in perations Management	6	A1X	1	E
TSBK07 Co	mputer Graphics	6*	A1X	4	E
TSBK08 Da	nta Compression	6	A1N	2	E
TSKS13 Wi	ireless Communications	6	A1F	4	E
TSRT07 Inc	dustrial Control Systems	6	A1X	2	Е
TSRT09 Co	ontrol Theory	6	A1X	3	Е
TSTE08 An	nalog and Discrete-Time Integrated Circuits	6	A1X	3	Е
TVCB11 Ce	llbiological Methodology	6	G2X	1/4	Е
Period 2					
TEIE06 Co	prporate Planning	6*	A1X	-	С
TATA53 Lin	near Algebra, Honours Course	6*	G2F	-	Е
111111 /X	ogramming of Parallel Computers - Methods d Tools	6	A1X	3	E
TDDD17 Inf	formation Security, Second Course	6*	A1X	4	E
TDDD27 Ad	Ivanced Web Programming	6	A1N	3	E
TDDD38 Ad	Ivanced Programming in C++	6*	A1N	-	E
TDDE41 So	ftware Architectures	6	A1N	1	E
TDDE46 So	ftware Quality	6*	A1N	2	E
TDEI35 Str	rategy and Management Control	6	A1X	2	Е
TEAE13 Civ	vil and Commercial Law	6	G1X	2	E



Course code	Course name	Credits	Level	Timetable module	ECV
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	4	E
TFYA45	Biotechnology Project	6*	A1X	-	E
TGTU83	Philosophy of Science	6	G1X	4	E
TKMJ47	Environmental Systems Analysis	6*	A1N	2	E
TMES21	Industrial Energy Systems	6	A1F	3	E
TMES41	Strategic Development of Sustainable Energy Systems	6	A1F	2	E
TMKT57	Product Modelling	6	A1X	3	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	A1N	1	E
TSKS14	Multiple Antenna Communications	6	A1F	2	E
TSKS16	Signal Processing for Communications	6	A1X	1	E
TSRT14	Sensor Fusion	6	A1X	2	E



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*	A1N	2	E
Period 2					
TFYA45	Biotechnology Project	6*	A1X	-	E
TKMJ47	Environmental Systems Analysis	6*	A1N	2	E

Specialisation: Computer Science and Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1N	2	Е
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	A1N	3	Е
TDDD38	Advanced Programming in C++	6*	A1N	2	E
TDDD41	Data Mining - Clustering and Association Analysis	6	A1N	3	E
TDDD75	Effect-Driven Development and Human- Centered Design of Interactive Systems	6	G2X	3	E
TDTS04	Computer Networks and Distributed Systems	8	G2F	2	E
Period 2					
TDDD17	Information Security, Second Course	6*	A1X	4	E
TDDD27	Advanced Web Programming	6	A1N	3	E
TDDD38	Advanced Programming in C++	6*	A1N	-	E
TDDE41	Software Architectures	6	A1N	1	E



Specialisation: Electrical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1N	2	Е
TSBK07	Computer Graphics	6*	A1X	4	E
TSBK08	Data Compression	6	A1N	2	E
TSKS13	Wireless Communications	6	A1F	4	Е
TSRT07	Industrial Control Systems	6	A1X	2	E
TSRT09	Control Theory	6	A1X	3	Е
Period 2					
TSBK02	Image and Audio Coding	6	A1X	4	Е
TSBK07	Computer Graphics	6*	A1X	1	E
TSFS06	Diagnosis and Supervision	6	A1N	1	E
TSKS14	Multiple Antenna Communications	6	A1F	2	Е
TSKS16	Signal Processing for Communications	6	A1X	1	E
TSRT14	Sensor Fusion	6	A1X	2	E

$Specialisation: Energy\ Engineering\ Specialization$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ10	Industrial Ecology	6	A1X	1	E
TMES17	Building Energy Systems	6	A1N	3	E
TMES43	Analysis and Modelling of Industrial Energy Systems	6	A1F	1	E
Period 2					
TMES21	Industrial Energy Systems	6	A1F	3	E
TMES41	Strategic Development of Sustainable Energy Systems	6	A1F	2	E
TMKT83	Small Scale Renewable Energy Conversion	6	A1X	4	Е



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	A1N	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	A1N	1	С

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	A1N	4	С
Period 2					
TDEI35	Strategy and Management Control	6	A1X	2	С

Specialisation: Master Profile Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMES17	Building Energy Systems	6	A1N	3	E
TMES43	Analysis and Modelling of Industrial Energy Systems	6	A1F	1	E
Period 2					
TMES21	Industrial Energy Systems	6	A1F	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	С
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	С

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	Е
TETS56	Logistics and Quality in Health Care	6	A1X	4	E

Specialisation: Master Profile Manufacturing

Course name	Credits	Level	Timetable module	ECV
Production System Automation	6	A1X	1	E
Production Systems	6	A1X	3	С
	Production System Automation	Production System Automation 6	Production System Automation 6 A1X	Production System Automation 6 A1X 1



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	С

Specialisation: Master Profile Product Development

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

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	4	E



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1N	2	E
TSBK07	Computer Graphics	6*	A1X	4	Е
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	A1N	2	E
TSKS13	Wireless Communications	6	A1F	4	E
Period 2					
TSBK02	Image and Audio Coding	6	A1X	4	E
TSKS14	Multiple Antenna Communications	6	A1F	2	E



Specialisation: Master Profile Wood Technology

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

Specialisation: Mechanical Engineering Specialization

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
TMMS21	Mechatronics	6	G2X	1	E
TMPS42	Production System Automation	6	A1X	1	E
Period 2					
TMKT57	Product Modelling	6	A1X	3	E
TMME11	Road Vehicle Dynamics	6	A1X	1	E
TMPS27	Production Systems	6	A1X	3	E

Semester 9 (Autumn 2019)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS39	Multivariate Statistical Methods	6	A1N	4	Е
TATM38	Mathematical Models in Biology	6	A1N	3	Е
TDDC34	Technical, Economic and Societal Evaluation of IT-products	6	A1X	3	E
TDDD04	Software Testing	6	A1N	2	E
TDDE45	Software Design and Construction	6	A1N	4	Е
TDEI72	Strategy and Digitisation - Technology, Standards and Network Effects	6	A1X	4	E
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1F	2	E
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	E



Course code	Course name	Credits	Level	Timetable module	ECV
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1F	4	E
TETS38	Logistics Project	12*	A1X	4	E
TKMJ31	Biofuels for Transportation	6	A1N	1	E
TMMV01	Aerodynamics	6	A1X	2	Е
TMMV12	Gas Turbine Engines	6	A1X	4	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	Е
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	-	E
TMQU27	Quality Management - Project Course	12*	A1X	2	E
TPPE53	Financial Valuation Methodology	6	A1X	2	E
TPPE66	Investment Valuation	6*	A1X	4	Е
TPPE73	Operations Management - Project Course	12*	A1X	4	E
TPPE99	Simulation in Production and Logistics	6	A1X	3	Е
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	A1N	1	E
Period 2					
TAOP18	Supply Chain Optimization	6	A1F	1	Е
TDDB44	Compiler Construction	6	A1X	1	E
TDDC90	Software Security	6	A1N	1	E
TDDD56	Multicore and GPU Programming	6	A1N	2	E
TDDD89	Scientific Method	6	A1F	3	E
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1F	2	E
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	Е
TEIM10	Industrial Service Development	6	A1X	2	Е
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1F	4	E



Course code	Course name	Credits	Level	Timetable module	ECV
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	A1N	3	E
TMES51	International Energy Markets	6	A1N	1	Е
TMKA03	Industrial Design	6	G2X	1	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	Е
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	-	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

$Specialisation: Biotechnical \ Engineering \ Specialization$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATM38	Mathematical Models in Biology	6	A1N	3	Е
Period 2					
TFBI17	Advanced Project Course in Ecosystem Service Valuation	6	A1X	-	Е



Specialisation: Computer Science and Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD04	Software Testing	6	A1N	2	Е
TDDE45	Software Design and Construction	6	A1N	4	Е
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1X	1	E
TSIT03	Cryptology	6	A1X	2	E

Specialisation: Electrical Engineering Specialization

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	A1N	1	E
Period 2					
TSRT08	Optimal Control	6	A1X	3	Е

Specialisation: Energy Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TKMJ31	Biofuels for Transportation	6	A1N	1	E
TMMV12	Gas Turbine Engines	6	A1X	4	E
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	E
Period 2					
TMPE01	Project Course Advanced - Energy Engineering	12*	A1X	-	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	A1N	2	С
TDDE45	Software Design and Construction	6	A1N	4	С
Period 2					
TDDD89	Scientific Method	6	A1F	3	С

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	A1N	1	E
TMMV12	Gas Turbine Engines	6	A1X	4	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	С
Period 2					
TEIM04	Industrial Market and Technology Strategies	12*	A1X	2	С

Specialisation: Master Profile Logistics Management

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TETS38	Logistics Project	12*	A1X	4	С
TPPE99	Simulation in Production and Logistics	6	A1X	3	E
Period 2					
TETS38	Logistics Project	12*	A1X	2	С
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*	A1F	-	С
Period 2					
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	-	С

Specialisation: Master Profile Operations Management

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



Specialisation: Master Profile Product Development

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
ТМРМ05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	С
Period 2					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	С

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*	A1F	4	С
Period 2					
TEIO89	Innovation and Entrepreneurship - Project Course	12*	A1F	4	С

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	С
Period 2					
TMQU27	Quality Management - Project Course	12*	A1X	4	С



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*	A1F	2	С
TDEI72	Strategy and Digitisation - Technology, Standards and Network Effects	6	A1X	4	E
Period 2					
TEAE12	Strategic Analysis and Methods for Strategic Change	12*	A1F	2	С
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	A1N	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	-	С
Period 2					
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	С



Specialisation: Mechanical Engineering Specialization

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMV01	Aerodynamics	6	A1X	2	E
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	-	E
Period 2					
TKMJ32	Integrated Product Service Engineering	6	A1N	3	E
TMKA03	Industrial Design	6	G2X	1	Е
TMPM05	Project Course Advanced - Design Engineering and Product Development	12*	A1X	-	E
TMPM08	Project Course Advanced - Manufacturing Engineering	12*	A1F	-	E

Semester 10 (Spring 2020)

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

ECV = Elective / Compulsory /Voluntary



^{*}The course is divided into several semesters and/or periods