Spring Semester (February - June)(2024-2025)

Provisional Draft 30.09.2024.

Bachelor level

Bachelor of Engineering Science in Aviation Engineering

Code	Name of Course	ETCS
1 year		
B-103-06	Higher Mathematics	6
B-254-05	Foreign Language *(English)*	3
B-445-03	Human Factors	3
P-013-02	Aerodynamics and Flight Dynamics	6
B-455-04	Physics	3
P-007-02	Electrical Engineering	9
2 year		
P-014-02	Aviation Legislation	6
B-435-03	Piston Engine	3
B-436-03	Digital equipment and electronic systems	6
B-437-03	Aicraft Design and Strength	9
P-777-03	Modeling of mechanical systems	6
3 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-439-03	Air Navigation Service	3
B-456-03	Aircraft avionics systems	9
B-445-03	Human Factors	3
P-026-02	Propeller and its Control Systems	3
B-464-03	Microprocessor	6
P-900-03	Electrical and Electronic Equipment Design	6
B-444-03	Aircraft ground handling	3
4 year		
B-498-01	Emerging technologies in aviation Engineering	6

Bachelor of Engineering Sciences in Computer Engineering and Electronics

Code	Name of Course	ETCS
1 year		
B-002-03	Physics	6
B-003-06	Programming	6
B-103-06	Higher Mathematics	6
B-123-04	Electrical Circuits Theory	6
B-752-01	English for Information Technologies	3
B-482-01	Programming of Processor Devices. Course Project	3
2 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-127-03	Signals and Circuits	6
B-032-04	Microcontroller Programming	6

Code	Name of Course	ETCS
B-148-04	Business Communication in Professional Activities	3
B-480-04	Computer networks 1 (*part 2*).	6
3 year		
B-140-05	Business Economics and Marketing Basics	3
B-757-01	Microcomputer Embedded Systems	6
B-027-03	Methods and Devices of Electrical Measurements	6
B-206-05	Project Management	3
B-553-03	Programmable Logic Controllers and Their Programming	6
B-766-01	Wireless Communications	3

Bachelor of Engineering Sciences in Robotics

Code	Name of Course	ETCS
1 year		
B-002-03	Physics	6
B-003-04	Programming	6
B-103-06	Higher Mathematics	6
B-752-01	English for Information Technologies	3
B-123-04	Electrical Circuits Theory	6
B-495-03	Programming robots. Course work	3
2 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-148-04	Business Communication in Professional Activities	3
B-032-04	Microcontroller Programming	6
B-493-01	Sensors and Electric Machines of Robotic Devices	6
3 year		
B-407-03	Kinematics and dynamics of robots	6
B-556-05	Introduction to Intelligence Systems	6
B-553-03	Programmable Logic Controllers and Their Programming	6
B-206-05	Project Management	3
B-140-05	Business Economics and Marketing Basics	3
B-417-03	Robot Control Methods	3
4 year		
B-206-05	Project Management	3
B-148-04	Business Communication in Professional Activities	3
B-425-03	Robotization of Industrial Manufacturing	6

Bachelor of Natural Sciences in Computer Science

Code	Name of Course	ETCS
1 year		
B-003-06	Programming	6
B-734-01	Individual project -1	3
B-009-04	Computer Systems Structure (*part 2*)	6
B-010-04	Programming Languages Concepts	6
B-103-06	Higher Mathematics	6
B-254-06	Foreign Language 2	3
2 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-737-01	Database processing	6
B-767-01	Operating systems and system programming	6

B-734-02	Individual project -2	3
B-148-04	Business Communication in the Professional Activities	3
3 year		
B-750-01	Software Engineering *(part 2)*	6
B-741-01	System Analysis and Modelling	6
B-749-01	Cloud Services Integration	3
B-734-03	Individual project -3	3
B-556-05	Introduction to Intelligence Systems	6
B-184-05	User Experience (UX) Design	6
4 year		
B-148-04	Business Communication in Professional Activities	3
B-483-01	Foundations of Startup Development	3
B-563-01	Cybersecurity	6

Bachelor of Social Sciences in Management Science

Code	Name of Course	ECTS
1 year		
B-102-05	Macroeconomics	6
B-109-05	Marketing	6
B-277-05	Essentials of Business Management	6
B-284-05	Study Project I	3
B-115-05	Business Activity Legal Regulation	3
B-491-03	Information Technologies 2	3
2 year		
B-118-05	Taxes and Taxation	3
B-177-05	Management and Organisation Theory	3
B-206-05	Project Management	3
B-246-04	Econometrics	6
B-275-05	Business communications II	3
B-280-05	Introduction to Change Management	6
B-292-05	Management Accounting	3
3 year		
B-483-01	Foundations of Start up Development	3
B-288-05	Organizational Behaviour and Leadership	6
B-289-05	Digital Business Environment	6

Bachelor in Transport and Business Logistics

Code	Name of Course	ECTS
1 year		
B-102-05	Macroeconomics	6
B-109-05	Marketing	6
B-115-05	Business Activity Legal Regulation	3
P-343-05	Supply chain management and planning	6
B-640-01	Professional English for Logistics	3
2 year		
B-294-05	International business communication, corporate responsibility and ethics	6
B-624-01	Fundamentals of Transport System Geography	6
B-206-05	Project Management	3

B-246-05	Professional English for Logistics	3
P-343-05	Supply chain management and planning	6
3 year		
B-317-05	Simulation Modelling in Logistics	3
B-319-05	Information Systems and Technologies in Logistics	3
B-630-01	Smart Warehouse Operation	6
P-007-05	Transport Telematics	3

Master level

Master of Social Sciences in Management

Code	Name of Course	ECTS
1 year		
M-202-05	Strategic Management	6
M-231-04	Research Methodology	6
M-342-05	Decision Making Methodologies	3
M-357-05	International Marketing and Advertising	6
M-217-04	Quantitative Methods for Management	3

Master of Social Sciences in Transport and Logistics

Code	Name of Course	ECTS
1 year		
M-231-04	Research Methodology	6
M-626-01	Digitalization in Transportation and Logistics	3
M-312-05	Simulation Modelling in Transport and Logistics	6
M-450-01	Decision Making in Transport and Logistics	6
M-330-04	Transport Economics	3
M-454-01	Smart Warehouse	3

Master of Engineering Sciences in Electronics and Electrical Engineering Science

Code	Name of Course	ECTS
1 year		
M-100-04	Data Mining	6
M-340-01	Critical Thinking and Innovation	6
M-231-04	Research Methodology	6
M-225-04	Cybersecurity and data protection	6
M-216-04	Project and Requirements Management	6

Master of Natural Sciences in Computer Systems

Software Engineering

1 year		
M-100-04	Data Mining	6
M-231-04	Research Methodology	6
M-340-01	Critical Thinking and Innovation	6
M-225-04	Cybersecurity and data protection	6
M-402-01	Advanced Artificial Intelligence	6
M-216-04	Project and Requirements Management	6

Master of Engineering Science in Management of Information Systems

Code	Name of Course	ECTS
1 year		
M-100-04	Data Mining	6
M-340-01	Critical Thinking and Innovation	6
M-216-04	Project and Requirements Management	6
M-231-04	Research Methodology	6
M-346-01	Business Process Modelling and Analysis	6