

Bachelor level

Aviation Engineering

Code	Name of Course	ETCS
1 year		
B-319-04	Academic Skills and Critical Thinking	6
B-103-04	Higher Mathematics (part 2)	9
B-295-05	Aviation English	3
P-007-02	Electrical Engineering	9
C-603-05	Latvian for foreign students	3
2 year		
P-777-03	Modelling of Mechanical Systems	6
B-437-03	Aircraft Design and Strength	9
B-436-03	Digital equipment and electronic systems	6
B-435-03	Piston Engine	3
P-014-02	Aviation Legislation	6
B-454-03	Construction of Aviation Engines	3
B-451-03	Aircraft Electrical Equipment I	9
P-019-02	Radio Navigation, Radar and Communication Systems	6
3 year		
B-444-03	Aircraft ground handling	3
B-456-03	Aircraft avionics systems	9
P-026-02	Propeller and its Control Systems	3
B-007-04	Probability Theory and Mathematical Statistics	6
B-465-03	Organization of Aircraft Maintenance	3
B-439-03	Aeronautical Service	3

Computer Engineering and Electronics

Code	Name of Course	ETCS
1 year		
B-002-03	Physics	6
B-103-06	Higher Mathematics (part 2)	6
B-752-01	English for Information Technologies	3
B-003-06	Programming (part 2)	6
B-123-04	Electrical Circuits Theory	6
2 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-148-04	Business Communication in Professional Activities	3
B-480-04	Computer networks 1	6
4 year		
B-078-03	Optical Fiber Systems	3
B-307-03	Global Navigation Systems	3
B-206-05	Project Management	3
B-759-01	Development of Automated Industrial Systems	6

Robotics

Code	Name of Course	ETCS
1 year		
B-002-03	Physics	6

B-103-06	Higher Mathematics (part 2)	6
B-752-01	English for Information Technologies	3
B-003-06	Programming (part 2)	6
B-123-04	Electrical Circuits Theory	6
2 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-148-04	Business Communication in Professional Activities	3
3 year		
B-407-03	Kinematics and Dynamics of Robots	6
B-416-03	Electrical machines in robotics	3
B-553-03	Programmable Logic Controllers and Their Programming	6
B-556-05	Introduction to Intelligence Systems	6
B-140-05	Business Economics and Marketing Basics	3
4 year		
B-140-05	Business Economics and Marketing Basics	3
B-425-03	Robotization of Industrial Manufacturing	6
B-206-05	Project Management	3

Computer Science

Code	Name of Course	ETCS
1 year		
B-254-06	Foreign Language 2	3
B-003-06	Programming (part 2)	6
B-009-04	Computer Systems Structure (part 2)	6
B-010-04	Programming Languages Concepts	6
B-103-06	Higher Mathematics (part 2)	6
2 year		
B-007-04	Probability Theory and Mathematical Statistics	6
B-737-01	Database processing	6
B-148-04	Business Communication in Professional Activities	3
B-767-01	Operating Systems and System Programming	6
3 year		
B-741-01	System Analysis and Modelling	6
B-750-01	Software Engineering (part 2)	6
B-184-05	User Experience (UX) Design	6
B-556-05	Introduction to Intelligence Systems	6
4 year		
B-563-01	Cybersecurity	6
B-745-01	Quantum Computing	3
B-483-01	Foundations of Start up Development	3

Business and Management

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
C-009-03	Latvian Language	3
B-491-03	Information Technologies 2	3
B-115-05	Business Activity Legal Regulation	3

B-284-05	Study Project I	3
2 year		
B-177-05	Management and Organization Theory	3
B-206-05	Project Management	3
B-280-05	Introduction to Change Management	6
B-292-05	Management Accounting	3
B-246-04	Econometrics	6
B-118-05	Taxes and Taxation	3
B-275-05	Business communications II	3
3 year		
B-292-05	Management Accounting	3
B-288-05	Organizational Behaviour and Leadership	6
B-289-05	Digital Business Environment	6
B-483-01	Foundations of Start up Development	3

Transport and Business Logistics

Code	Name of Course	ECTS
1 year		
B-001-05	Higher Mathematics (part 2)	6
B-115-05	Business Activity Legal Regulation	3
B-102-05	Macroeconomics	6
B-109-05	Marketing	6
B-246-05	Professional English for Logistics	3
B-118-05	Taxes and Taxation	3
C-009-03	Latvian Language	3
2 year		
B-294-05	International business communication, corporate responsibility and ethics	6
P-343-05	Supply chain management and planning	6
P-307-05	Transport Logistics	6
B-206-05	Project Management	3
B-246-05	Professional English for Logistics (part 3)	3
3 year		
P-007-05	Transport Telematics	3
B-630-01	Smart Warehouse Operation	6
B-317-05	Simulation Modelling in Logistics	3
B-319-05	Information Systems and Technologies in Logistics	3

Master level

Business and Management

Code	Name of Course	ECTS
1 year		
M-202-05	Strategic Management	6
M-625-01	Business psychology and intercultural communication	3
M-342-05	Decision Making Methodologies	3
M-217-04	Quantitative Methods for Management	3
M-231-04	Research Methodology (Part1)	6
M-357-05	International Marketing and Advertising	6

Transport and Logistics

Code	Name of Course	ECTS
1 year		
M-382-05	Sustainable Transport Interchanges	6
M-261-05	Logistics and Transport Process Modeling (course paper)	6
M-342-05	Decision Making Methodologies	3
M-231-04	Research Methodology (Part 1)	6
M-309-05	Logistics Systems and Logistics Chains	6
M-625-01	Business psychology and intercultural communication	3

Management of Information Systems

Code	Name of Course	ECTS
1 year		
M-231-04	Research Methodology (Part 1)	6
M-340-01	Critical Thinking and Innovation	6
M-100-04	Data Mining	6
M-401-01	Project and Requirements Management	6

Electronics

1 year		
M-340-01	Critical Thinking and Innovation	6
M-100-04	Data Mining	6
M-225-04	Cybersecurity and data protection	6
M-401-01	Project and Requirements Management	6
M-231-04	Research Methodology (Part 1)	6