Curriculum Logistics and Information Management in Practice Cooperation (LIP) - B.Sc.

Term	Modules and related courses	Credit points
1 30 credit points	**LIP 1: Introduction to Computer Science**	6
	Introduction to Computer Science	
	Introduction to Computer Science - Lab	
	LIP 2: Introduction to Mathematics	7
	Introduction to Mathematics	
	LIP 3: Introduction to Business Administration	6
	Introduction to Business Administration	
	LIP 4: Bookkeeping and Accounting	6
	Bookkeeping and Accounting	
	LIP 5: Soft Skills and Conflict Management	5
	Communicating, Presenting, Facilitating Meetings	
	Conflict Management	
2 30 credit points	**LIP 6: Applied Computer Science**	6
	Applied Computer Science	
	Applied Computer Science - Lab	
	LIP 7: Applied Mathematics	6
	Applied Mathematics	
	LIP 8: Cost Accounting and Cost Management	6
	Cost Accounting and Cost Management	
	LIP 9: Transport Industry and Mobility	6
	Transport Industry and Mobility	
	LIP 10: Fundamentals and Applications of Private Business Law	6
	Fundamentals of Private Business Law	
	Application Scenarios in Private Business Law	
3 30 credit points	**LIP 11: Operations Research**	6
	Operations Research	
	Operations Research – Lab	
	LIP 12: Web Business	6
	Web Business	
	Web Business – Lab	
	LIP 13: Digitization in Supply Chains	6
	Digitization in Supply Chains	
	Digitization in Supply Chains - Lab	

Term	Modules and related courses	Credit points
	LIP 14: Information Management in Logistics	6
	Information Management in Logistics	
	Information management in logistics - Lab	
	LIP 15: Logistics Service Management	6
	Logistics Service Management	
4 31 credit points	**LIP 16: Database Systems**	6
	Database Systems	
	Database Systems - Lab	
	LIP 17: Internal Logistics and Process Management	7
	In-house Logistics and Process Management	
	Logistics Laboratory	
	LIP 18: External and Green Logistics	6
	External and Green Logistics	
	LIP 19: Automatable Methods for Logistics	6
	Automatable Methods for Logistics	
	LIP 20: Investment and Financing	6
	Investment and Financing	
5 30 credit points	**On-the-Job Training at the Company**	30
	On-the-Job Training at the Company	
6 31 credit points mobility window	**LIP 21: Optimization in Logistics**	6
	Optimization in Logistics	
	Optimization in Logistics - Lab	
	LIP 22: IT Project Management	6
	IT Project Management	
	IT Project Management - Lab	
	LIP 23: Strategic Management in Logistics	6
	Strategic Management in Logistics	
	LIP 24: Specialization Module I	8
	see catalogs below (*)	
	LIP 25: Thesis	5
	Thesis	
7 28 credit points	**LIP 26: Networks and Web Applications**	8
	Networks and Web Applications	

Term	Modules and related courses	Credit points
	Networks and Web Applications - Lab	
	LIP 27: Inventory Management	8
	Inventory Management and Optimization	
	Technical Systems of Inventory Management	
	LIP 28: Specialization Module II	8
	see catalogs below (*)	
	LIP 29: Electives I and II (***)	4
	Elective I	
	Elective II	
8 30 credit points	**LIP 30: Supervised Internship**	15
	Supervised Internship	
	LIP 31: Bachelor's Thesis and Defense	15
	Bachelor's Thesis	12
	Thesis Defense	3
	Total:	240

(*)	One specialization module to be selected from the catalog of specialization modules (see below)
(***)	One mandatory elective to be selected from the catalog of mandatory electives (see below)

Catalog of Specialization Modules and Mandatory Electives

for the degree programs

Logistics Management,
Logistics Management part-time in industry with integrated vocational training,
Logistics and Information Management,
Logistics and Information Management part-time in industry with integrated vocational training,
Mobility and Passenger Transport Management,
Industrial Engineering Focusing on Mobility and Traffic

Specialization Modules:

Modules and related courses	Credit points
SPM 1: Cooperation Management	8
Cooperation Management in the Field of Logistics	
Cooperation Management Projects	
SPM 2: Special Topics of the Transport Industry	8
Transport, Infrastructure and Pricing Policy	
Current Problems of Freight Transport	
SPM 3: Airline and Airport Management	8
Airline Management with Seminar	
Airport Management	
SPM 4 Human Resources	8
Human Resources	
Labor Law	
SPM 5: Business Application Systems	8
Building Blocks of Business Application Systems in Logistics	
Implementation of Logistics Application Systems	
SPM 6: Process Management in Logistics and Supply Chain	8
Process Management in Logistics and Supply Chain	
Exercises / Projects	
SPM 7: Optimization of Transport and Traffic	8
Modeling and Quantitative Solutions	
Computer-Aided Optimization	
SPM 8: Applied Market Research	8
Introduction to Applied Market Research	
Project	
SPM 9: Electromobility	8
Introduction to Electromobility	
Electric Drives	

Modules and related courses	Credit points
Current Topics Electromobility	
SPM 10: Specialization in Overland Transport Technology	8
Specialization in Rail Transport	
Specialization in Road Transport	
SPM 11: Integrated Network Planning	8
Integrated Network Planning	
Case Studies of Integrated Network Planning	
Integrated Interface Planning	

Mandatory Electives:

Modules and related courses	Credit points
WPF 1: Practical Philosophy - erroneous paths you'd better leave to others	2
Practical Philosophy - erroneous paths you'd better leave to others	
WPF 2: International Summer School Traffic and Infrastructure	2
Summer School with Széchenyi István University (Hungary)	
WPF 3: Cost and Activity Accounting Goods Transport Land/Sea	2
Cost and Activity Accounting Goods Transport Land/Sea	
WPF 4: Current Issues in the Maritime and Seaport Industries	2
Current Issues in the Maritime and Seaport Industries	
WPF 5: Introduction to SAP	2
Introduction to SAP	
WPF 6: Practical Modeling and Robot Programming	2
Practical Modeling and Robot Programming	
WPF 7: Management of Working Time	2
Management of Working Time	
WPF 8: Management of Non-Profit Organizations	2
Management of Non-Profit Organizations	
WPF 9: Rail Transport in Practice	2
Rail Transport in Practice	