

Air Transport and Logistics

Study schedule part-time study

with the type and scope of the courses in SWS as well as the required achievements, the type, scope, and structure of which can be found in the module descriptions

Number of module	Name of module	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester (M)	7th semester	8th semester	CP
		V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	
Compulsory area										
VW-ATL-01	Operations Research and Logistics	2/2/0/0 PL								5
VW-ATL-02	Material Flow Analysis and Optimization	2/2/0/0 PL								5
VW-ATL-03	Methods in Transportation Econometrics and Statistics	2/2/0/0 PL								5
VW-ATL-04	Decision Making in Enterprise Logistics		2/2/0/0 PL							5
VW-ATL-05	Flight Performance and Aerodynamics			7/1/0/0,5 PVL, PL						10
VW-ATL-06	Flight Planning and Aircraft Operations			4/0,5/0/0,5 PL						5
VW-ATL-07	Air Traffic and Airport Operations		6/2/0/0 PL							10
VW-ATL-08	CNS and tactical ATM					6/1/0/1 PL				10
Compulsory elective area										
A total of 35 credit points of modules must be selected.										
Modules worth at least 15 credit points must be selected.										
VW-ATL-20	Safety and Airline Management				3/1/0/0 PL					5
VW-ATL-21a	Terminal Operations				3/1/0/0 PVL, PL					5
VW-ATL-22	Aircraft Engines				2/1/0/0 PL					5
VW-ATL-23	Helicopter Technology				2/0/0/0	2/0/0/0 PL				5
VW-ATL-24	Aircraft Design					4/0/0/0 PL				5
VW-ATL-25	Research Task in Air Transport and Logistics					0/0/3/0 PL				5
VW-ATL-30	Methods in Data Analytics					2/2/0/0 PL				5
VW-ATL-31a	Theoretical Multivariate Statistics					2/2/0/0 PL				5

Number of module	Name of module	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester (M)	7th semester	8th semester	CP
		V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P		
VW-ATL-32b	Cargo Handling and Intermodal Transportation					2/2/0/0 PL				5
Modules of up to 20 credit points can be selected.										
VW-ATL-50a	Advanced Methods in Data Analytics						2/2/0/0 PL			5
VW-ATL-51a	Applied Multivariate Statistics						2/2/0/0 PL			5
VW-ATL-52b	Data-Driven Multivariate Statistics						2/0/0/0 PL			5
VW-ATL-53a	Management of Public Transport Systems and Services				2/2/0/0 PL					5
VW-ATL-61	Transportation Telematics Networks					3/1/0/0 PL				5
VW-ATL-62	Theory of Communication Traffic and Information Transfer Security						2/2/0/0 PL			5
VW-ATL-63	Satellite-based and Position-based Communication				2/1/0/1 PL					5
VW-ATL-64a	Sensor Technology in Transport Systems					2/2/0/0 PL				5
VW-ATL-71a	Mobility System Planning and Research					3/1/0/0 PL				5
VW-ATL-72a	Agent-based Modelling in Transportation				2/1/0/0 PL					5
VW-ATL-74a	Human Behavior and Environmental Effects in Transportation					2/0/0/0 PL				5
VW-ATL-75	Transport Network Optimization with Emerging Data for Ethical and Sustainable Applications				3/0/0/0 PL					5
VW-ATL-76	Aviation Economics and research-based Consulting					1/1/0/1 PL				5
VW-ATL-77	Data and Models in Transport Planning					2/2/0/0 PL				5
VW-ATL-81	Quality and RAMS Management				2/2/0/0 PL					5
VW-ATL-82b	Market-oriented design of rail freight and passenger transportation					3/0/1/0 PL				5
VW-ATL-83	Advanced Modelling in Railway Transport Science					2/0/2/0 PL				5
VW-ATL-91	Vocational Internship in Air Transport and Logistics						At least 4 weeks internship			5

Number of module	Name of module	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester (M)	7th semester	8th semester	CP
		V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P	V/Ü/S/P		
									Master thesis	25
									Colloquium	5
CP		15	15	15	15	15	15	0	30	120

* combination restricted

SWS Semester hours per week

M Mobility window according to § 6 paragraph 1 sentence 4 study regulations

CP Credit points

V Lecture

Ü Exercise

S Seminar

P Practical course

PVL Preliminary examination

PL Examination(s)