

## 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	
<b>Compulsory area</b>										
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
<b>Compulsory elective area</b>										
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-21	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-31	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	V/Ü/S/P	
VW-ATL-32a	Cargo Handling and Intermodal Transportation					2/2/0/0 PL				5
Modules of up to 20 credit points can be selected.										
VW-ATL-50	Advanced Methods in Data Analytics						2/2/0/0 PL			5
VW-ATL-51	Applied Multivariate Statistics						2/2/0/0 PL			5
VW-ATL-52	Data-Driven Multivariate Statistics						2/0/0/0 PL			5
VW-ATL-53	Management of Public Transport Systems and Services				2/2/0/0 PL					5
VW-ATL-54	Applied Computer Sciences					2/2/0/0 PL				5
VW-ATL-55	Advanced Theory of Air Transportation Systems and Simulation*						2/2/0/0 PL			5
VW-ATL-56	Advanced Theory of Transportation Systems*					3/3/0/0 PL	2/2/0/0 PL			15
VW-ATL-61	Transportation Telematics Networks					3/1/0/0 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-71	Transport and Infrastructure Planning				3/1/0/0 PVL, PL					5
VW-ATL-72	Basics of traffic modeling				2/1/0/0 PL					5
VW-ATL-74	Traffic and Transportation Psychology				2/0/2/0 2xPL					5
VW-ATL-75	Transport Network Optimization with Emerging Data for Ethical and Sustainable Applications					3/0/0/0 PL				5
VW-ATL-81	Quality and RAMS Management				2/2/0/0 PL					5
VW-ATL-82	Market-orientated design of rail freight and passenger transport					3/0/1/0 PL				5
VW-ATL-91	Vocational Internship in Air Transport and Logistics						At least 8 weeks internship			5
									Master thesis	25
									Colloquium	5
<b>CP</b>		<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>30</b>	<b>120</b>

\* 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)