

RECOMMENDED PLAN OF STUDY  
 BACHELOR'S DEGREE PROGRAMME  
 STUDY FIELD – LED – AIR TRANSPORT  
 (IN ENGLISH LANGUAGE)

**1<sup>st</sup> semester – LED**

**Guarantee of study field:**

*Doc. Ing. Peter VITTEK, Ph.D.*

Compulsory courses	Code	Range	Credits	Completion	tutor
Calculus 1	11CAL1	2 + 4	7	z, zk	<i>Hykšová</i>
Linear algebra	11LA	2 + 1	3	z, zk	<i>Bečvářová</i>
Introduction to Transportation Engineering	12ZYDI	1 + 1	2	z, zk	<i>Čarská</i>
Materials Science and Engineering	18MTY	2 + 1	3	z, zk	<i>Valach</i>
Geometry	11GIE	2 + 2	3	kz	<i>Voráčová</i>
Algorithm and Data Structures	14ASD	0 + 2	3	kz	<i>Fábera</i>
Constructing with Computer Aid	14KSP	0 + 2	2	kz	<i>Zelenka</i>
Technical Documentation	18TED	1 + 1	2	kz	<i>Fíla</i>
Transportation Psychology	15DPLG	2 + 0	2	z	<i>Širancová</i>
Introduction to Vehicles	16UDOP	2 + 0	2	z	<i>Bouchner</i>
Physical Education 1	TV-1	0 + 1	1	z	
<b>Number of hours per week</b>		<b>29</b>			
<b>Number of credits</b>		<b>30</b>			
<b>Number of examinations</b>		<b>4</b>			
<b>Number of graded assessments</b>		<b>4</b>			
<b>Number of assessments</b>		<b>7</b>			

**2<sup>nd</sup> semester – LED****Guarantee of study field:***Doc. Ing. Peter VITTEK, Ph.D.*

Compulsory courses	Code	Range	Credits	Completion	tutor
Calculus 2	11CAL2	2 + 3	5	z, zk	<i>Hykšová</i>
Statistics	11STAT	2 + 2	4	z, zk	<i>Nagy</i>
Railway Lines and Stations	12ZTS	2 + 2	4	z, zk	<i>Vaněk</i>
Structural Analysis	18SAT	2 + 2	4	z, zk	<i>Kytýř</i>
Systems Analysis	20SYSA	2 + 2	5	z, zk	<i>Bělinová</i>
Programming	14PRG	0 + 2	2	kz	<i>Zelenka</i>
Transport Technology and Logistics	17TEDL	2 + 1	3	kz	<i>Drábek</i>
Basics of Air Transport	21ZALD	0 + 2	2	kz	<i>Šerlová</i>
Physical Education	TV-2	0 + 1	1	z	
<b>Number of hours per week</b>		<b>29</b>			
<b>Number of credits</b>		<b>30</b>			
<b>Number of examinations</b>		<b>5</b>			
<b>Number of graded assessments</b>		<b>3</b>			
<b>Number of assessments</b>		<b>6</b>			

**3<sup>rd</sup> semester – LED****Guarantee of study field:***Doc. Ing. Peter VITTEK, Ph.D.*

Compulsory courses	Code	Range	Credits	Completion	tutor
Physics	11FYZ	2 + 2	5	z, zk	<i>Vitů</i>
Transport Models and Transport Excesses	12MDE	2 + 1	3	z, zk	<i>Kocourek</i>
Graph Theory and its Applications in Transport	17TGA	2 + 2	4	z, zk	<i>Mocková</i>
Elasticity and Strength	18PZP	2 + 1	3	z, zk	<i>Jíra</i>
Introduction to Intelligent Transport Systems	20UITS	3 + 2	7	z, zk	<i>Hrubeš</i>
Designing Roads, Highways and Motorways	12PPOK	1 + 2	3	kz	<i>Čarský</i>
Database Systems	14DATS	1 + 1	2	kz	<i>Kalíková</i>
Foreign Language - English 1	15JZ1A	0 + 4	3	z	<i>Tomeček</i>
<b>Number of hours per week</b>		<b>28</b>			
<b>Number of credits</b>		<b>30</b>			
<b>Number of examinations</b>		<b>5</b>			
<b>Number of graded assessments</b>		<b>2</b>			
<b>Number of assessments</b>		<b>6</b>			

**4<sup>th</sup> semester – LED****Guarantee of study field:***Doc. Ing. Peter VITTEK, Ph.D.*

<b>Compulsory courses</b>	<b>Code</b>	<b>Range</b>	<b>Credits</b>	<b>Completion</b>	<b>tutor</b>
Modeling of Systems and Processes	11MSP	2 + 2	4	z, zk	<i>Kovář</i>
Air Navigation	21LTN	2 + 1	2	z, zk	<i>Polánecká</i>
Aerodromes	21LTTE	2 + 1	4	z, zk	<i>Capoušek</i>
Principles of Flight 1	21ZYL1	2 + 2	5	z, zk	<i>Brož</i>
Aircraft 1	21LL1	2 + 1	3	kz	<i>Kačeriaková</i>
Meteorology	21MRG	1 + 1	3	kz	<i>Kameníková</i>
Aircraft Maintenance	21ULCT	2 + 0	2	z	<i>Kunčíková</i>
Foreign Language - English 2	15JZ2A	0 + 4	3	z, zk	<i>Tomeček</i>
Compulsory Elective Course 1 *	**Y1**	2 + 0	2	kz	
Project 1	**X31	0 + 1	2	z	
<b>Number of hours per week</b>		<b>28</b>			
<b>Number of credits</b>		<b>30</b>			
<b>Number of examinations</b>		<b>5</b>			
<b>Number of graded assessments</b>		<b>3</b>			
<b>Number of assessments</b>		<b>7</b>			

**5<sup>th</sup> semester – LED****Guarantee of study field:***Doc. Ing. Peter VITTEK, Ph.D.*

<b>Compulsory courses</b>	<b>Code</b>	<b>Range</b>	<b>Credits</b>	<b>Completion</b>	<b>tutor</b>
Aircraft Engines	21LCM	2 + 1	3	z, zk	<i>Valenta P.</i>
Legislation and Operational Regulations	21LGP	2 + 2	5	z, zk	<i>Zozulák</i>
Aircraft 2	21LTA2	2 + 1	2	z, zk	<i>Kačeriaková</i>
ATM Systems	21ZT	2 + 0	2	zk	<i>Pilmannová</i>
Principles of Flight 2	21ZYL2	2 + 2	5	z, zk	<i>Brož</i>
Aviation English	21LAG1	0 + 2	3	kz	<i>Pilmannová, Choppart</i>
Airport Design and Operation	21PDLE	1 + 1	3	kz	<i>Vokáč</i>
Foreing Language – French 3 <i>nebo</i>	15JZ3F <i>nebo</i>	0 + 4	3	z	<i>Veselková nebo</i>
Foreing Language – Italian 3 <i>nebo</i>	15JZ3I <i>nebo</i>				<i>Veselková nebo</i>
Foreing Language – German 3 <i>nebo</i>	15JZ3N <i>nebo</i>				<i>Rezlerová nebo</i>
Foreing Language – Russian 3 <i>nebo</i>	15JZ3R <i>nebo</i>				<i>Michlová nebo</i>
Foreing Language – Spain 3	15JZ3S				<i>Hricsina Puškinová</i>
Compulsory Elective Course 2	**Y1**	2 + 0	2	kz	
Project 2	**X32	0 + 2	2	z	
<b>Number of hours per week</b>		<b>28</b>			
<b>Number of credits</b>		<b>30</b>			
<b>Number of examinations</b>		<b>5</b>			
<b>Number of graded assessments</b>		<b>3</b>			
<b>Number of assessments</b>		<b>6</b>			

**6<sup>th</sup> semester – LED****Guarantee of study field:***Doc. Ing. Peter VITTEK, Ph.D.*

<b>Compulsory courses</b>	<b>Code</b>	<b>Range</b>	<b>Credits</b>	<b>Completion</b>	<b>tutor</b>
Air Transport Economy	21ELED	2 + 2	4	z, zk	<i>Vittek</i>
Human Performance and Limitations	21LIVO	2 + 2	5	z, zk	<i>Socha</i>
Airline Business and Operations	21OBP	2 + 1	3	z, zk	<i>Capoušek</i>
Flight Planning And Performance	21PAP	2 + 2	4	z, zk	<i>Polánecká</i>
Aviation English 2	21LAG2	0 + 2	3	kz	<i>Brož</i>
Aircraft Instruments	21PJE	2 + 0	2	kz	<i>Hovorka</i>
Air Traffic Control	21RILP	0 + 2	2	z	<i>Strouhal</i>
Foreing Language – French 4 <i>nebo</i>	15JZ4F <i>nebo</i>	0 + 4	3	z, zk	<i>Veselková nebo</i>
Foreing Language – Italian 4 <i>nebo</i>	15JZ4I <i>nebo</i>				<i>Veselková nebo</i>
Foreing Language – German 4 <i>nebo</i>	15JZ4N <i>nebo</i>				<i>Rezlerová nebo</i>
Foreing Language – Russian 4 <i>nebo</i>	15JZ4R <i>nebo</i>				<i>Michlová nebo</i>
Foreing Language – Spain 4	15JZ4S				<i>Hricsina Puškinová</i>
Compulsory Elective Course 3	**Y1**	2 + 0	2	kz	
Project 3	**X33	0 + 1	2	z	
<b>Number of hours per week</b>		<b>28</b>			
<b>Number of credits</b>		<b>30</b>			
<b>Number of examinations</b>		<b>5</b>			
<b>Number of graded assessments</b>		<b>3</b>			
<b>Number of assessments</b>		<b>7</b>			

