

MODEL CURRICULUM OF PROFESSIONAL PILOT BSC

The curriculum of the program is available in excel format on the webpage of the Faculty of Engineering (<https://eng.unideb.hu/en>).

Subject groups	Nr.	Name of the subject	Code	1 st sem.				2 nd sem.				3 rd sem.				4 th sem.				5 th sem.				6 th sem.				7 th sem.				Prerequisite(s)			
				L	P	E	C	L	P	E	C	L	P	E	C	L	P	E	C	L	P	E	C	L	P	E	C	L	P	E	C				
Subject groups	1	Mathematics I	MK3MAT1A08RX17-EN	4	4	m	8																												
	2	Mathematics II	MK3MAT2A06RX17-EN					2	4	m	6																							Mathematics I	
	3	Mathematics Comprehensive Exam	MK3MATSA00RX17-EN					0	0	e	0																							Mathematics I, Mathematics II at the same time	
	4	Statistics and Strength of Materials	MK3STSZG06XX17-EN	2	2	m	6																												
	5	Engineering Physics	MK3MFI2A04RX17-EN	2	2	e	4																												
	6	Dynamics and Vibration	MK3MREZG04XX17-EN					2	2	e	4																							Engineering Physics, Mathematics I	
	7	Thermodynamics and Fluid Mechanics I	MK3THE1R06HX17-EN	2	2	e	6																												
	8	Thermodynamics and Fluid Mechanics II	MK3THE2R04HX17-EN					2	2	e	4																							Thermodynamics and Fluid Mechanics I	
	9	Electrotechnics and Electronics	MK3ELTER06RX17-EN									2	2	m	6																			Mathematics I, Engineering Physics	
Economics and Humanities	10	Economics for Engineers	MK3KOZMM04XX17-EN													2	0	m	4															Economics for Engineers	
	11	Microeconomics and Economical Processes of Enterprises	MK3MIKVM04XX17-EN													1	2	m	4																
	12	Quality and Technical Management	MK3MINMM04XX17-EN													1	2	e	4																
	13	Environmental Protection and Dangerous Goods	MK3EPDG04RX17-EN													0	2	m	4																
	14	Aviation Terminology I	MK3AVT1R01HX17-EN					0	1	m	1																							Aviation Terminology I	
	15	Aviation Terminology II	MK3AVT2R01HX17-EN									0	1	m	1																			Aviation Terminology II	
	16	Aviation Terminology III	MK3AVT3R01HX17-EN										0	1	m	1																			Aviation Terminology III
	17	Aviation Terminology IV	MK3AVT4R01HX17-EN													0	1	m	1																
Specific Compulsory Subjects	18	Informatics for Engineers I	MK3INFEA04RX17-EN	2	2	m	4																												
	19	Aircraft Technology	MK3AIRC04HX17-EN					2	2	e	4																							Engineering Physics, Basics of Aviation I	
	20	Descriptive Geometry	MK3DEGR04HX17-EN									2	2	m	4																			Aircraft Technology	
	21	Mechanical Machines and Machine Elements	MK3MGEPO4RX17-EN									2	2	e	4																			Aircraft Technology	
	22	Materials Engineering	MK3ANISG06RX17-EN													3	2	m	6															Aircraft Technology	
	23	Manufacturing Technologies	MK3GYARG04RX17-EN													2	2	m	4															Aircraft Technology	
	24	Technique of Measurement	MK3TEMER04HX17-EN													2	2	m	4															Electrotechnics and Electronics	
	25	Environment, Health, Safety and Ergonomics (Basics of EHS)	MK3EHSAR04RX17-EN																	2	2	e	4												
	26	Mechatronic Devices (Sensors, Actuators, Motors)	MK3ERZBR04RX17-EN									2	2	m	4																			Engineering Physics	
	27	Basics of Aviation I	MK3PPL1R02HX17-EN	0	1	m	2																											Basics of Aviation I	
	28	Basics of Aviation II	MK3PPL2R03HX17-EN					0	3	m	3																								
	29	Theoretical Knowledge of Airline Transport Pilot Licence I (ATPL)	MK3TKA1R03HX17-EN	2	1	m	3																											Theoretical Knowledge of Airline Transport Pilot Licence I (ATPL)	
	30	Theoretical Knowledge of Airline Transport Pilot Licence II (ATPL)	MK3TKA2R02HX17-EN					1	0	m	2																							Theoretical Knowledge of Airline Transport Pilot Licence (ATPL) II	
	31	Theoretical Knowledge of Airline Transport Pilot Licence III (ATPL)	MK3TKA3R02HX17-EN									1	1	OE	2																			Theoretical Knowledge of Airline Transport Pilot Licence (ATPL) I	
	32	Aircraft General Knowledge I - Airframe, Systems, Power Plants (ATPL)	MK3AGK1R04HX17-EN					2	2	m	4																							Aircraft General Knowledge I - Airframe, Systems, Power Plants (ATPL)	
	33	Aircraft General Knowledge II - Airframe, Systems, Power Plants (ATPL)	MK3AGK2R04HX17-EN									2	1	OE	4																			Aircraft General Knowledge I - Airframe, Systems, Power Plants (ATPL)	
	34	Aircraft General Knowledge - Instrumentation (ATPL)	MK3AGKIR04HX17-EN																	4	3	OE	4											Aircraft General Knowledge I - Airframe, Systems, Power Plants (ATPL)	
	35	Air Law (ATPL)	MK3AIRLR04HX17-EN									3	2	OE	4																				
	36	Human Performance (ATPL)	MK3HUMPR03HX17-EN													3	2	OE	3																
	37	Flight Training I	MK3FLT1R02HX17-EN									0	6	m	2																				
	38	Flight Training II	MK3FLT2R02HX17-EN													0	5	m	2																
	39	Flight Training III	MK3FLT3R02HX17-EN																	0	8	m	2												
	40	Flight Training IV	MK3FLT4R02HX17-EN																					0	8	m	2								
	41	Flight Training V	MK3FLT5R02HX17-EN																									0	12	m	2				
	Field-Specific Vocational Subjects	42	Meteorology I (ATPL)	MK3MET1R02HX17-EN													1	2	m	2															Meteorology I (ATPL)
		43	Meteorology II (ATPL)	MK3MET2R02HX17-EN																	2	3	OE	2											
		44	Type Rating	MK3CREWR04HX17-EN																									2	3	m	4			
		45	Radiotelephony	MK3RADTR02HX17-EN																					0	1	m	2							Radionavigation
		46	Mass and Balance (ATPL)	MK3MASSR03HX17-EN																	2	2	OE	3											
		47	Performance (ATPL)	MK3PERFR04HX17-EN																	3	3	OE	4											
		48	Flight Planning and Monitoring (ATPL)	MK3FLPMR03HX17-EN									4	2	OE	3																			
		49	General Navigation (ATPL)	MK3GENAR04HX17-EN													3	4	OE	4															
		50	Radionavigation (ATPL)	MK3RANAR04HX17-EN													3	4	OE	4															
		51	Operational Procedures (ATPL)	MK3OPPRR02HX17-EN									1	2	OE	2																			
52		Communication VFR, IFR (ATPL)	MK3COMMR02HX17-EN																	1	2	OE	2												
53		Thesis I	MK3THE1R05HX17-EN																	0	4	m	5											Aircraft General Knowledge I - Airframe, Systems, Power Plants (ATPL), Mechatronic Devices (Sensors, Actuators, Motors)	
54		Thesis II	MK3THE2R10HX17-EN																					0	8	m	10							Thesis I	
Optional Subjects*		55	Optional Subject I									2																							
	56	Optional Subject II													2																				
	57	Optional Subject III																																	
	58	Optional Subject IV																																	
	59	Optional Subject V																																	
60	Internship I	MK3INT1R02HX17-EN					3 weeks		m	2																									
61	Internship II	MK3INT2R03HX17-EN												4 weeks	m	3																			
62	Internship III	MK3INT3R05HX17-EN																					5 weeks		m	5									
Credits total:				210			33				32				33				36				27				31			18					
Number of lectures/practical classes in the semester:																																			