

Pilotage Masters Degree Program



- 21 core courses (total 94 credits)
- 2 elective courses (total 6 credits)
- 4 voluntary language courses (total 12 credits)

Total credit load: 100 w/o language; 112 with 4 language courses

Program Curriculum

1st Year 1st Semester (Fall 2016) (20 Core Credits / 3 Voluntary Language Credits)		
Code	Course	Credit
PIL 500	Theory and Training for Private Pilot License	11
PIL 501	Mathematics for Aviation	3
PIL 503	Physics for Aviation	3
PIL 505	Electrical Circuits and Electronics for Aviation	3
XXX XX1	Second Foreign Language (Elective if desired)*	3

* Foreign language courses are voluntary. Students may, if they wish, choose courses from the following list: Chinese, Japanese, Russian, Spanish, German, French.

1st Year 2nd Semester (Spring 2017) (24 Core Credits / 3 Elective Credits / 3 Voluntary Language Credits)		
Code	Course	Credit
PIL 521	General Aircraft Knowledge	5
PIL 522	Instrumentation	3
PIL 531	Mass and Balance	2
PIL 532	Flight Performance	3
PIL 533	Flight Planning and Monitoring	2
PIL 540	Human Performance and Limitations	4
PIL 570	Operational Procedures	2
PIL 502	Introduction to Thermofluid Systems and Machineries	3
PIL 51X	Elective course from the pool*	3
XXX XX2	Second Foreign Language (Elective if desired)	3

* The elective course pool is at the end of the curriculum.

1st Year Summer School (Summer 2017) (10 Core Credits)		
Code	Course	Credit
PIL 506	Pilot in Command (PIC) Navigation Flights	10

2nd Year 1st Semester (Fall 2017) (27 Core Credits / 3 Voluntary Language Credits)		
Code	Course	Credit
PIL 550	Aviation Meteorology	5
PIL 561	General Navigation	6
PIL 562	Radio Navigation	7
PIL 580	Principles of Flight	3
PIL 590	VFR and IFR Communication	3
PIL 507	Software Applications in Aviation	3
XXX XX3	Second Foreign Language (Elective if desired)	3

2nd Year 2nd Semester (Spring 2018) (13 Core Credits / 3 Elective Credits / 3 Voluntary Language Credits)		
Code	Course	Credit
PIL 595	Advanced Flight Training	10
PIL 504	Project on Machines and Machine Elements for Aviation	3
PIL 51X	Elective course from the pool	3
XXX XX4	Second Foreign Language (Elective if desired)	3

ELECTIVE COURSE POOL		
Code	Course	Credit
PIL 510	Advanced Air and Space Law	3
PIL 511	A History of Aviation Accidents	3
PIL 512	Air and Space Policy	3
PIL 513	International Aviation Management	3
PIL 514	International Aviation Security and Countering of Terrorist Acts	3
PIL 515	International Marketing in Airline and Airport Operations	3
PIL 516	Strategic Leadership Decision Making	3
PIL 517	International Tourism and Air Charters Policy	3

NOTE: Minor changes may be made to the curriculum above without prior notification.