

University Graduate Study Programme in Aerospace Engineering

Year of study 1

Semester 1

COURSE	ECTS
Aerodynamics I	6
Aircraft Structures II	5
Elements of Space Vehicles Design	5
Mechanical Integrity of Aircraft Structures	5
Aircraft Systems and Equipment	5
Elective course of the study 1	3
Free elective course	3

Semester 2

COURSE	ECTS
Jet and Rocket Engines II	5
Gas Dynamics	5
Helicopters	5
Mechanics of Composite Materials	3
Practice	4
Elective course of the study 2	3
Free elective course	3

Year of study 2

Semester 3

COURSE	ECTS
Aircraft Design I	5
Airplane Stability and Control	6
Aerodynamics II	4
Design of Space Systems and Operations	4
Elective course of the study 3	3 or 5
Free elective course	3

Semester 4

COURSE	ECTS
Aircraft Design II	3
Introduction to Aeroelasticity	3
Mechanical Analysis of Lightweight Aerospace Structural Elements	6
Aviation and Space Legislation	2
Dynamics of Aero and Space Vehicles Structural Systems	3
Elective course of the study 4	5 or 3
Free elective course	3
Diploma Thesis	10