UNIVERSITÀ DEGLI STUDI DI PALERMO

Department: null

A.Y. 2010/2011

DEGREE COURSE IN AEROSPACE ENGINEERING

Characteristics

Class of Master's Degree (MSc) on Aerospace and aeronautical engineering (LM-20)

2 YEARS

FREE ACCESS

2024

Educational objectives

2nd cycle graduates in Aerospace engineering will acquire advanced knowledge of sector-specific subjects such as aerodynamics, flight dynamics, equipment, propulsion, as well as of subjects related to the construction and technological issues of Aerospace engineering. They will also acquire the capability of applying their knowledge to the identification and analysis of the typical issues of aerospace design, The foremost objective is the development of 2nd cycle graduates capability of finding, elaborating, interpreting and generalising, with a critical approach, the data required for solving a problem, with the possible design of experiments and analyses bringing to the production of these data.

Professional opportunities

Most professional opportunities for Aerospace Engineers can be found in aircraft and space industry, aerospace propulsion industry, both in Italy and abroad.
Other opportunities may be found in public and private agencies for aerospace experimentation and research, airlines, air traffic agencies, air force and aeronautics area of other forces, as well as in the production of machines and equipment needing aerodynamics and light structures.

Final examination features

It consists of the presentation and discussion of a written dissertation, containing the results of a work where the candidate will apply the knowledge and capabilities acquired during the course. The dissertation consists of an original project or a research on advanced aerospace issues. During the presentation and discussion of the dissertation, candidates should show their command of the subject, the capability of working autonomously and good communication skills. Students will carry out their activity under the guidance of one or more supervisors, one of which should be a professor of the Degree Course.

Subjects 1 ° year	CFU	Sem.	Val.	SSD	TAF
14425 - AERONAUTICAL SYSTEMS *Orlando(AR)*	9	Ann.	V	ING-IND/05	B
03549 - GAS DYNAMICS *Barrera(PA)*	12	Ann.	V	ING-IND/06	B
15459 - MATHEMATICS AND MATHEMATICAL PHYSICS *Mongiovi'(PO)*	9	Ann.	V	MAT/07	C
07140 - AERONAUTICS STRUCTURES *Davi'(PQ)*	12	Ann.	V	ING-IND/04	B
15072 - AIR TRANSPORT SYSTEMS *Zito(PQ)*	6	Ann.	V	ICAR/05	C
02375 - STRUCTURAL DYNAMICS *Pirrotta(PO)*	9	Ann.	V	ICAR/08	C

57

Legenda: Per. = periodo o semestre, Val. = Valutazione (V=voto, G=giudizio), TAF= Tipologia Attività Formativa (A=base, B=caratterizzante, C=Affine, S=stages, D=a scelta, F=altre)

Subjects 2 ° year	CFU	Sem.	Val.	SSD	TAF
14427 - AERONAUTICAL PRODUCTION TECHNOLOGIES *Fratini(PO)*	6	Ann.	V	ING-IND/16	C
04913 - AEROSPACE MATERIALS *Milazzo(PO)*	12	Ann.	V	ING-IND/04	B
02374 - FLIGHT DYNAMICS *Grillo(PA)*	12	Ann.	V	ING-IND/03	B
12658 - AEROSPACE ENGINES *Lombardo(PA)*	12	Ann.	V	ING-IND/07	B
05917 - FINAL EXAMINATION	9	Ann.	G		E
Stage and others	3				X
Free subjects	9				D
	63				

OPTIONAL SUBJECTS

Stage and others	CFU	Sem.	Val.	SSD	TAF
11034 - OTHER EDUCATIONAL ACTIVITIES - 1 CREDIT	1	Ann.	G		X
11035 - OTHER EDUCATIONAL ACTIVITIES - 2 CREDITS	2	Ann.	G		X
11036 - OTHER EDUCATIONAL ACTIVITIES - 3 CREDITS	3	Ann.	G		X
07899 - PROFESSIONAL PRACTICE	3	Ann.	G		X

Legenda: Per. = periodo o semestre, Val. = Valutazione (V=voto, G=giudizio), TAF= Tipologia Attività Formativa (A=base, B=caratterizzante, C=Affine, S=stages, D=a scelta, F=altre)