

DIPARTIMENTO DI INGEGNERIA DELL'INNOVAZIONE

Manifesto degli studi A.A. 2021/2022

Corso di Laurea Magistrale AEROSPACE ENGINEERING



I ANNO - CICLO 2021

CURRICULUM AEROSPACE DESIGN

ING-IND/06	FLUID DYNAMICS (MOD 1) C.I.	6	I	CARATTERIZZANTE
ING-IND/03	FLIGHT MECHANICS (MOD. 2) C.I.	6	I	CARATTERIZZANTE
MAT/07	MATHEMATICAL AND NUMERICAL METHODS IN AEROSPACE ENGINEERING, WITH LABORATORY	6	I	AFFINE
ING-IND/04	FUNDAMENTALS OF HELICOPTER DESIGN, PRODUCTION AND MAINTENANCE	6	I	CARATTERIZZANTE
TOTAL CREDITS I SEMESTER		24		

CURRICULUM AEROSPACE TECHNOLOGY

ING-IND/06	FLUID DYNAMICS (MOD 1) C.I.	6	I	CARATTERIZZANTE
ING-IND/03	FLIGHT MECHANICS (MOD. 2) C.I.	6	I	CARATTERIZZANTE
MAT/07	MATHEMATICAL AND NUMERICAL METHODS IN AEROSPACE ENGINEERING, WITH LABORATORY	6	I	AFFINE
ING-IND/04	FUNDAMENTALS OF HELICOPTER DESIGN, PRODUCTION AND MAINTENANCE	6	I	CARATTERIZZANTE
TOTAL CREDITS I SEMESTER		24		

CURRICULUM AEROSPACE SYSTEMS

ING-IND/32	ELECTRICAL ENERGY FOR AEROSPACE: GENERATION AND POWER MANAGEMENT (MOD. 1) C.I.	6	I	AFFINE
ING-IND/21	ELECTRICAL ENERGY FOR AEROSPACE: STORAGE (.MOD.2)	3	I	AFFINE
ING-IND/04	AEROSPACE STRUCTURES AND CERTIFICATION (MOD. 1) C.I.	6	I	CARATTERIZZANTE
ING-IND/05	SPACE MISSION PROJECT AND SYSTEMS (MOD. 2) C.I.	6	I	CARATTERIZZANTE
ING-INF/03	RADAR SYSTEMS	6	I	AFFINE
TOTAL CREDITS I SEMESTER		27		

CURRICULUM AEROSPACE DESIGN E CURRICULUM TECHNOLOGY

ING-IND/15	COMPUTER AIDED DESIGN FOR AEROSPACE APPLICATIONS	6	II	CARATTERIZZANTE
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ING-IND/07	AERONAUTIC PROPULSION (<i>mod. 1</i>) c.i.	6	II	CARATTERIZZANTE
ING-IND/07	SPACE PROPULSION (<i>mod. 2</i>) c.i.	6	II	CARATTERIZZANTE
ING-IND/06	AERODYNAMICS (MOD. 1) C.I.	6	II	CARATTERIZZANTE
ING-IND/03	ATMOSPHERIC AND SPACE FLIGHT DYNAMICS (MOD. 2) C.I.	6	II	CARATTERIZZANTE
TOTAL CREDITS II SEMESTER		30/24		
TOTAL CREDITS I YEAR		54/51		

II ANNO – CICLO 2020

ING-IND/09	AIRCRAFT POWERPLANT DESIGN CONTROL AND MAINTENANCE C.I.	9	I	AFFINE
ING-IND/16	FUNDAMENTALS OF AEROSPACE TECHNOLOGIES C.I.	3	I	AFFINE
ING-IND/04	AEROSPACE STRUCTURES	9	I	CARATTERIZZANTE
TOTAL CREDITS I SEMESTER		21		

CURRICULUM AEROSPACE DESIGN

ING-IND/21	METALLIC MATERIALS FOR AERONAUTICS	9	II	AFFINE
ING-IND/03	AIRCRAFT DESIGN	9	II	CARATTERIZZANTE

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	<i>ELECTIVES: STUDENTS ARE OBLIGED TO CHOOSE COURSES HELD IN ENGLISH FOR MASTER DEGREES</i>	9	II	
CURRICULUM AEROSPACE TECHNOLOGY				
ING-IND/24	PROCESSING AND PROPERTIES OF COMPOSITE MATERIALS FOR AERONAUTICS	9	II	AFFINE
ING-IND/16	ADVANCED TECHNOLOGIES AND ADDITIVE MANUFACTURING FOR AEROSPACE	9	II	AFFINE
	<i>ELECTIVES: STUDENTS ARE OBLIGED TO CHOOSE COURSES HELD IN ENGLISH FOR MASTER DEGREES</i>	9	II	
CURRICULUM AEROSPACE SYSTEMS				
ING-IND/21	ELECTRICAL ENERGY STORAGE FOR AERONAUTICS	9	II	AFFINE
	ONE MODULE CHOSEN FROM THE FOLLOWING LIST:			
ING-INF/01	SYSTEMS AND DEVICES FOR SATELLITES	9	II	AFFINE
ING-INF/05	EMBEDDED AND CERTIFIED SOFTWARE	9	II	AFFINE
ING-IND/35	SPACE ECONOMY	9	II	AFFINE
	<i>ELECTIVES: STUDENTS ARE OBLIGED TO CHOOSE COURSES HELD IN ENGLISH FOR MASTER DEGREES.</i> (GLI STUDENTI SONO OBBLIGATI ALLA SCELTA DI INSEGNAMENTI EROGATI IN LINGUA INGLESE E ATTIVATI SUI CORSI DI LAUREA MAGISTRALE. LA SCELTA NON PUÒ INTERESSARE SINGOLI MODULI APPARTENENTI A CORSI INTEGRATI).	9	II	
	TOTAL CREDITS II SEMESTER	27		
	INTERNSHIP/TRAINING	6		
	FINAL EXAM	12		