

XXXV Ciclo												
ID	Course name	Credits	Hours	Instructors		Starts	Month	Ends	Month	Year	Location	SSD
1	Meshless methods	3	12	Sarler		9	Dic	13	Dic	2019	Uniparthenope-C/D	ING-IND/10
2	Reactive flows and combustion	3	12	Vaglieco		28	Gen	29	Gen	2020	Istituto Motori	ING-IND/08
3	Advanced powertrain systems	3	12	Beatrice		3	Feb	6	Feb	2020	Istituto Motori	ING-IND/08
4	The era of "Twins" A new paradigm for simulation-and-data-based engineering as applied to materials, processes, structures, and systems	3	12	Chinesta			TBA		TBA	2020	Uniparthenope-C/D	ING-IND/22
5	Hydrogen and fuel cell systems	3	12	Jannelli	Minutillo		June		June	2020	Uniparthenope-C/D	ING-IND/09
6	Inverse Thermal Problems	3	12	Nowak		21	Sept	1	Oct	2020	Uniparthenope-C/D	ING-IND-11
7	Experimental validation of numerical models for fluid flow problems	3	12	Arpino		30	June	3	July	2020	Uniparthenope-C/D	ING-IND/10
8	Sustainability, life cycle assessment and strategic decision making	3	12	Petrillo		14	Sept	18	Sept	2020	Uniparthenope-C/D	ING-IND/17
9	Computational fluid dynamics	3	12	Nithiarasu		19	Oct	24	Oct	2020	Uniparthenope-C/D	ING-IND/10
10	Electrical power systems analysis	3	12	Caramia	Bracale		TBA		TBA	2020	Uniparthenope-C/D	ING-IND/33
11	Chemical energy conversion: combustion and electro-chemical processes	3	12	Ferone	Roviello	6	July	15	July	2020	Uniparthenope-C/D	CHIM/07
12	Advanced materials for energy systems	3	12	Cioffi	Colangelo	16	July	24	July	2020	Uniparthenope-C/D	ING-IND/22
13	Energy Saving	3	12	Vanoli	Di Fraia	5	Oct	16	Oct	2020	Uniparthenope-C/D	ING-IND/10
14	Numerical methods in energy science	3	12	Sciubba		7	Sept	11	Sept	2020	Uniparthenope-C/D	ING-IND/08
	<b>Total</b>	<b>42</b>	<b>168</b>									
15	Advanced Computer Methods for Engineering (Numerical methods for Engineering*)	9*	72	Massarotti		1	Mar	31	May	2020	Uniparthenope-C/D	ING-IND/10
16	Data Acquisition and Measurement	6	24	Mauro	Di Donato		TBA		TBA	2020	Uniparthenope-C/D	ING-IND/10
17	Management of intellectual property	1	4	De Alteriis		16	Dic	16	Dic	2019	Uniparthenope-C/D	
18	Scientific English and writing (over two years)	12	48	TBA						2020		
19	Control-oriented modeling of automotive engines and hybrid powertrains	3	12	Arsie		15	June	19	June	2020	Uniparthenope-C/D	ING-IND/09

\* Courses of the Master of Science programs

C/D -> Centro Direzionale - Isola C4  
IM -> Istituto Motori-Via Claudio n.21