				XXXVII Cycle							
ID	**Course name**	**Credits**	**Hours**	**Instructors**		**Starts**	**Month**	**Ends**	**Month**	**Year**	**Location****	**SSD**
1	Meshless methods	3	12	Sarler		13	June	24	June	2022	Uniparthenope-C/D	ING-IND/10
2	Reactive flows and combustion	3	12	Beatrice		9	May	13	May	2022	MS Teams	ING-IND/08
3	Advanced powertrain systems	3	12	Vaglieco		2	May	6	May	2022	MS Teams	ING-IND/08
4	Hydrogen and fuel cell systems	3	12	Jannelli	Minutillo	5	Sept	9	Sept	2022	Uniparthenope-C/D	ING-IND/09
5	The era of "Twins" A new paradigm for simulation-and-data-based engineering as applied to materials, processes, structures, and systems	3	12	Chinesta		16	May	20	May	2022	MS Teams	ING-IND/22
6	Numerical methods in energy science	3	12	Sciubba		28	Nov	2	Dic	2022	Uniparthenope-C/D	ING-IND/08
7	Sustainability, life cycle assessment and strategic decision making	3	12	Petrillo		12	Sept	16	Sept	2022	Uniparthenope-C/D	ING-IND/17
8	Inverse Thermal Problems	3	12	Nowak		23	May	27	May	2022	MS Teams	ING-IND-11
9	Chemical energy conversion: combustion and electro-chemical processes	3	12	Ferone	Roviello	11	July	15	July	2022	Uniparthenope-C/D	CHIM/07
10	Energy Saving	3	12	Vanoli		21	Feb	24	Feb	2022	Uniparthenope-C/D	ING-IND/10
11	Advanced materials for energy systems	3	12	Cioffi	Colangelo	31	Oct	4	Nov	2022	Uniparthenope-C/D	ING-IND/22
12	Computational fluid dynamics	3	12	Nithiarasu		27	June	8	July	2022	Uniparthenope-C/D	ING-IND/10
13	Experimental validation of numerical models for fluid flow problems	3	12	Arpino		30	May	3	June	2022	Uniparthenope-C/D	ING-IND/10
14	Forecasting and analytics in electrical power systems	3	12	De Falco	Bracale	14	Nov	25	Nov	2022	Uniparthenope-C/D	ING-IND/33
	Total	**42**	**168**								
15	Advanced Computer Methods for Engineering (Numerical methods for Engin	9*	72	Massarotti		1	Mar	31	May	2022	Uniparthenope-C/D	ING-IND/10
16	Data Acquisition and Measurement	6	24	Mauro	Di Donato	7	Feb	18	Feb	2022	Uniparthenope-C/D	ING-IND/10
17	Management of intellectual property	1	4	De Alteriis		TBA				2022	Uniparthenope-C/D	
18	Scientific English and writing (over two years)	12	48	TBA						2022		
19	Control-oriented modeling of automotive engines and hybrid powertrains	3	12	Arsie		6	June	10	June	2022	Uniparthenope-C/D	ING-IND/09

* Courses of the Master of Science programs

*** time scheduling confirmed

C/D -> Centro Direzionale - Isola C4

IM -> Istituto Motori-Via Claudio n.21

** due to Covid-19 restrictions, the courses could be held via MS Teams

TBA -> To Be Announced