



Regolamento Didattico e Organizzazione Didattica

LM
2022/2023

Classe: **LM-21 - Ingegneria Biomedica**

DM270/2004

Sede: **Ancona (sede operativa)**

CdS: **Biomedical Engineering**

eHealth and Clinical Engineering
Engineering of Medical Devices

Offerta Formativa Facoltà Ingegneria <http://www.ingegneria.univpm.it/offerta-formativa-2023>

Programmi degli Insegnamenti <https://guide.univpm.it/guide.php?fac=ingegneria>

Anno: 1

Tip. DM	Tip. AF	SSD	Ciclo	Insegnamento	Docente	CFU
f)	Altre	-		Elective Courses taught in English		6
b)	Caratterizzante	ING-INF/06	I	Biomedical Signal and Image Processing	Burattini Laura	9
c)	Affine	ICAR/01	I	Bio-Fluid Dynamics	Zitti Gianluca	6
c)	Affine	ING-IND/12	I	Applied Measurement Techniques	Scalise Lorenzo	9
b)	Caratterizzante	ING-INF/06	II	Cognitive Computation in Physiology and Medicine	Sbrollini Agnese	9
b)	Caratterizzante	ING-INF/06	II	Models and Control of Biological Systems	Morettini Micaela	9

Anno: 1 - Totale CFU: 48

eHealth and Clinical Engineering

c)	Affine	BIO/10	I	Bioinformatics and Systems Biology	Sorci Leonardo	9
----	--------	--------	---	--	--------------------------------	---

Anno: 1 (: eHealth and Clinical Engineering) - Totale CFU: 9 + 48 comuni = 57

Engineering of Medical Devices

c)	Affine	ING-IND/22	I	Biomaterials for Medical Devices and Prostheses	Mazzoli Alida	9
----	--------	------------	---	---	-------------------------------	---

Anno: 1 (: Engineering of Medical Devices) - Totale CFU: 9 + 48 comuni = 57

Anno: 2

Tip. DM	Tip. AF	SSD	Ciclo	Insegnamento	Docente	CFU
f)	Altre	-		Elective Courses taught in English		6
f)	Altre	-		Internship		6
f)	Altre	-		Thesis		15
b)	Caratterizzante	ING-INF/06	I	Bioengineering of Motor Rehabilitation	Fioretti Sandro	9
b)	Caratterizzante	ING-INF/06	I	Bioimaging and Brain Research	Marcantoni Ilaria	9
c)	Affine	ING-INF/04	II	Assistive Robotics	Cavanini Luca	9

Anno: 2 - Totale CFU: 54

eHealth and Clinical Engineering

b)	Caratterizzante	ING-INF/06	II	Clinical Engineering	Savini Manuela	9
----	-----------------	------------	----	--------------------------------------	--------------------------------	---

Anno: 2 (: eHealth and Clinical Engineering) - Totale CFU: 9 + 54 comuni = 63

Engineering of Medical Devices

Tip. DM	Tip. AF	SSD	Ciclo	Insegnamento	Docente	CFU
b)	Caratterizzante	ING-INF/06	II	Dynamical Modelling of Movement	Mengarelli Alessandro	9

Anno: 2 (: Engineering of Medical Devices) - Totale CFU: 9 + 54 comuni = 63

Totale CFU 2 anni: 120

Riepilogo Attività Formative

Attività	Min DM	CFU Ordinamento	CFU	CFU
			eHCE	EMD
b) - Caratterizzanti la Classe	45	45 - 60	54	54
c) - Affini o Integrative	12	27 - 42	33	33
f) - Altre attività formative (D.M. 270 art. 10 §5)		33 - 39	33	33
Totale			120	120

Offerta a scelta libera dello studente (OL) per i corsi a scelta

Approvate in automatico su Piano di Studio ON-LINE ([link a nota di compilazione](#))

SSD	Ciclo	Offerta formativa	Docente	Anno	CFU
ING-IND/12	II	Medical Device Certification and Regulation	Giuliani Alessio	1	6
ING-INF/04	II	Control and Identification in Bioengineering	Monteriu' Andrea	1	6
MED/01	II	Medical Statistics	Gesuita Rosaria	1	6
Curriculum eHealth and Clinical Engineering					
FIS/01	I	Bionanotechnology	Lucchetti Liana	2	6
ING-INF/03	I	Biomedical Data Protection	Baldi Marco	2	6
ING-INF/03	II	Internet of Medical Things (IoMT)	Sabbatini Luisiana	2	6
Curriculum Engineering of Medical Devices					
ING-IND/15	II	Methods and Tools for Biomedical Product Design	Mandolini Marco	2	6
ING-INF/02	II	Electromagnetic Safety in Medical Devices	Moglie Franco	1	6
ING-INF/02	I	Fields and Waves in Biomedical Systems	Farina Marco	2	6