



# 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-2022>

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

<b>Anno: 1</b>						
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	<a href="#">Burattini Laura</a>	9
c)	Affine	ICAR/01	I	Bio-Fluid Dynamics	<a href="#">Zitti Gianluca</a>	6
c)	Affine	ING-IND/12	I	Applied Measurement Techniques	<a href="#">Scalise Lorenzo</a>	9
b)	Caratterizzante	ING-INF/06	II	Cognitive Computation in Physiology and Medicine	<a href="#">Sbrollini Agnese</a>	9
b)	Caratterizzante	ING-INF/06	II	Models and Control of Biological Systems	<a href="#">Morettini Micaela</a>	9
<b>Anno: 1 - Totale CFU: 48</b>						
<b>eHealth and Clinical Engineering</b>						
c)	Affine	BIO/10	I	Bioinformatics and Systems Biology	<a href="#">Sorci Leonardo</a>	9
<b>Anno: 1 (: eHealth and Clinical Engineering) - Totale CFU: 9 + 48 comuni = 57</b>						
<b>Engineering of Medical Devices</b>						
c)	Affine	ING-IND/22	I	Biomaterials for Medical Devices and Prostheses	<a href="#">Mazzoli Alida</a>	9
<b>Anno: 1 (: Engineering of Medical Devices) - Totale CFU: 9 + 48 comuni = 57</b>						
<b>Anno: 2 (attivo dall'A.A. 2023/2024)</b>						
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		Bioengineering of Motor Rehabilitation		9
b)	Caratterizzante	ING-INF/06		Bioimaging and Brain Research		9
c)	Affine	ING-INF/04		Assistive Robotics		9
<b>Anno: 2 - Totale CFU: 54</b>						
<b>eHealth and Clinical Engineering</b>						
b)	Caratterizzante	ING-INF/06		Clinical Engineering		9
<b>Anno: 2 (: eHealth and Clinical Engineering) - Totale CFU: 9 + 54 comuni = 63</b>						
<b>Engineering of Medical Devices</b>						

Tip. DM	Tip. AF	SSD	Ciclo	Insegnamento	Docente	CFU
b)	Caratterizzante	ING-INF/06		Dynamical Modelling of Movement		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
<b>Totale</b>			<b>120</b>	<b>120</b>

#### 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	<a href="#">Fattori Paolo</a>	1	6
ING-INF/04	II	Control and Identification in Bioengineering	<a href="#">Monteriu' Andrea</a>	1	6
MED/01	II	Medical Statistics	<a href="#">Gesuita Rosaria</a>	1	6

#### **Curriculum eHealth and Clinical Engineering**

FIS/01		Bionanotechnology		2	6
ING-INF/03		Biomedical Data Protection		2	6
ING-INF/03		Internet of Medical Things (IoMT)		2	6

#### **Curriculum Engineering of Medical Devices**

ING-IND/15		Methods and Tools for Biomedical Product Design		2	6
ING-INF/02	II	Electromagnetic Safety in Medical Devices	<a href="#">Moglie Franco</a>	1	6
ING-INF/02		Fields and Waves in Biomedical Systems		2	6