



Regolamento didattico

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*

Anno: 1

Tip. DM	Tip. AF	SSD	Offerta formativa	CFU
b)	Caratterizzante	ING-INF/06	Biomedical Signal and Image Processing	9
b)	Caratterizzante	ING-INF/06	Cognitive Computation in Physiology and Medicine	9
b)	Caratterizzante	ING-INF/06	Models and Control of Biological Systems	9
c)	Affine	ICAR/01	Bio-Fluid Dynamics	6
c)	Affine	ING-IND/12	Applied Measurement Techniques	9
f)	Altre	-	Elective Courses taught in English	6

Anno: 1 - Totale CFU: 48

eHealth and Clinical Engineering

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

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

Engineering of Medical Devices

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

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

Anno: 2 (attivo dall'A.A. 2023/2024)

Tip. DM	Tip. AF	SSD	Offerta formativa	CFU
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
f)	Altre	-	Elective Courses taught in English	6
f)	Altre	-	Internship	6
f)	Altre	-	Thesis	15

Anno: 2 - Totale CFU: 54

eHealth and Clinical Engineering

b)	Caratterizzante	ING-INF/06	Clinical Engineering	9
----	-----------------	------------	----------------------	---

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

Engineering of Medical Devices

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 eHCE	CFU EMD
b) - Caratterizzanti la Classe	45	45 - 60	54	54
c) - Affini o Integrative	12	27 - 42	33	33
Altre attività formative (p.e. 270 art. 10.85)		33 - 39	33	33
Totale			120	120

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

SSD	Offerta formativa	Anno	CFU
ING-IND/12	Medical Device Certification and Regulation	1	6
ING-INF/04	Control and Identification in Bioengineering	1	6
MED/01	Medical Statistics (general elective course assigned by default)	1	6

Curriculum eHealth and Clinical Engineering

FIS/01	Bionanotechnology (general elective course assigned by default)	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 (general elective course assigned by default)	2	6
ING-INF/02	Electromagnetic Safety in Medical Devices	1	6
ING-INF/02	Fields and Waves in Biomedical Systems	2	6