



Regolamento didattico

LM
2026/2027

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

DM270/2004

Sede: **Ancona**

CdS: **Biomedical Engineering**

*eHealth and Clinical Engineering
Engineering of Medical Devices*

Anno: 1

Tip. DM	Tip. AF	SSD	Offerta formativa	CFU
b)	Caratterizzante	IBIO-01/A	Biomedical Signal and Image Processing	9
b)	Caratterizzante	IBIO-01/A	Cognitive Computation in Physiology and Medicine	9
b)	Caratterizzante	IBIO-01/A	Models and Control of Biological Systems	9
c)	Affini	CEAR-01/A	Bio-Fluid Dynamics	6
c)	Affini	IMIS-01/A	Applied Measurement Techniques	9
f)	Altre	-	Elective Courses taught in English	6

Anno: 1 - Totale CFU: 48

eHealth and Clinical Engineering

c)	Affini	IINF-04/A	Assistive Robotics	9
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Anno: 1 (: eHealth and Clinical Engineering) - Totale CFU: 9 + 48 comuni = 57

Engineering of Medical Devices

c)	Affini	IMAT-01/A	Biomaterials for Medical Devices and Prostheses	9
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Anno: 1 (: Engineering of Medical Devices) - Totale CFU: 9 + 48 comuni = 57

Anno: 2 (attivo dall'A.A. 2027/2028)

Tip. DM	Tip. AF	SSD	Offerta formativa	CFU
b)	Caratterizzante	BIOS-07/A	Bioinformatics and Systems Biology (non attivato)	9
b)	Caratterizzante	IBIO-01/A	Bioengineering of Motor Rehabilitation (non attivato)	9
b)	Caratterizzante	IBIO-01/A	Bioimaging and Brain Research (non attivato)	9
f)	Altre	-	Elective Courses taught in English (non attivato)	6
f)	Altre	-	Internship (non attivato)	6
f)	Altre	-	Thesis (non attivato)	15

Anno: 2 - Totale CFU: 54

eHealth and Clinical Engineering

b)	Caratterizzante	IBIO-01/A	Clinical Engineering (non attivato)	9
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Anno: 2 (: eHealth and Clinical Engineering) - Totale CFU: 9 + 54 comuni = 63

Engineering of Medical Devices

b)	Caratterizzante	IBIO-01/A	Dynamical Modelling of Movement (non attivato)	9
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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	54 - 84	63	63
c) - Affini ed integrative	12	15 - 33	24	24
f) - Altre attività formative (D.M. 270 art. 10 §5)		33 - 45	33	33
Totale			120	120

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

SSD	Offerta formativa	Anno	CFU
IINF-04/A	Control and Identification in Bioengineering	1	6
IMIS-01/A	Medical Device Certification and Regulation	1	6
MEDS-24/A	Medical Statistics (general elective course assigned by default)	1	6

Curriculum eHealth and Clinical Engineering

IINF-03/A	Biomedical Data Protection (non attivato)	2	6
IINF-03/A	Internet of Medical Things (IoMT) (non attivato)	2	6
PHYS-03/A	Bionanotechnology (non attivato) (general elective course assigned by default)	2	6

Curriculum Engineering of Medical Devices

IIND-03/B	Methods and Tools for Biomedical Product Design (non attivato) (general elective course assigned by default)	2	6
IINF-02/A	Electromagnetic Safety in Medical Devices	1	6
IINF-02/A	Fields and Waves in Biomedical Systems (non attivato)	2	6