

Piano di studi con i 30 CFU aggiuntivi

Year	Term	Integrated course	ECTS Integrated course	SSD	Course	I term	II term	ECTS Course	Traning	h. Course	h. Traning
I	I/II	Biology	9	BIO/11	Molecular Biology		1	1		12,5	
				BIO/13	Experimental Biology	4	4	8		100	
I	I	General Physics I	7	FIS/07	Physics	7		7		87,5	
I	I	Chemistry	7	CHIM/07	Chemistry	7		7		87,5	
I	II	General Physics II	5	FIS/03	Physics		5	5		62,5	
I	I	Mathematics	10	MAT/05	Mathematics	10		10		125	
I	II	Computer Science	5	ING-INF/05	Fundamentals of computer science		5	5		62,5	
I	I/II	Medical Humanities 1	4	MED/02	History of Medicine	1		1		12,5	
				M-PSI/05	Social Psicology	1		1		12,5	
				M-FIL/03	Moral Phylosophy / Fundamentals of Anthropology and Ethics		2	2		25	
I	II	Basic Life Sciences 1	11	BIO/09	Physiology		4	4		50	
				BIO/16	Human Anatomy		3	3		37,5	
				BIO/17	Histology		4	4		50	
I	I/II	Language	4		Language	2	2	4		50	
II	I	Probability and Statistic	6	SECS-S/02	Statistics	5		5		62,5	
				MED/01	Medical Statistics	1		1		12,5	
II	I	Basic Life Sciences 2	13	BIO/16	Human Anatomy	7		7		87,5	
				BIO/09	Physiology	6		6		75	
II	I/II	Biochemistry	12	BIO/10	Biochemistry	6	4	10		125	
				BIO/12	Clinical Biochemistry		2	2		25	
II	II	Basic Life Sciences 3	12+5	BIO/16	Human Anatomy		6	6		75	
				FIS/03	Physiological Models		5	5		50	
				BIO/09	Physiology		6	6		75	
II	I	Medical Humanities II	2	MED/43	Bioethics	2		2		25	
II	II	Pharmacology and Medical Genetics	6	BIO/14	Pharmacology		2	2		25	
				MED/03	Medical Genetics		4	4		50	
III	I	Electronics	3	ING-INF/01	Electronics	3		3		30	
III	II	Measurements, sensors and instrumentation	5	ING-IND/12	Measurements, sensors and instrumentation		5	5		50	
III	II	Medical Humanities III	2	MED/43	Ethics of Technology		2	2		25	
III	I	Pathology Immunology and Microbiology	20	MED/07	Microbiology and Clinical Microbiology	4		4		50	
				MED/04	Experimental Medicine And Pathophysiology	11		11		137,5	
				MED/05	Clinical Pathology	1		1		12,5	
				MED/08	Pathology	3		3	1	37,5	25
III	I/II	Signal and image processing	12	ING-INF/06	Processing of biomedical signals I	5		5		62,5	
				ING-INF/05	Image processing		4	4		50	
				MED/36	Clinical Imaging		1	1	2	12,5	50
III	II	Cardiorespiratory Diseases	20	MED/11	Cardiovascular Diseases		5	5	2	62,5	50
				MED/23	Hearth Surgery		2	2	1	25	25
				MED/22	Vascular Surgery		1	1	1	12,5	25
				MED/10	Respiratory Diseases		2	2	1	25	25
				MED/21	Thoracic Surgery		1	1	1	12,5	25
				BIO/14	Pharmacology		2	2		25	
				MED/36	Clinical Imaging and Diagnostic		1	1		12,5	
IV	I	Biomechatronics, Biomaterials and telemedicine	12	ING-IND/34	Biomechatronics and Biomaterials	6		6		75	
				ING-INF/05	Healthcare information systems and telemedicine	6		6		75	
IV	I	Fundamentals of Biomedical Instrumentation	8	ING-INF/06	Fundamentals of Biomedical Instrumentation	8		8		80	
IV	II	Artificial Organs	3	ING-IND/24	Artificial Organs		3	3		30	
IV	I	Gastrointestinal Diseases	10	MED/12	Gastrointestinal Diseases	3		3	1	37,5	25
				MED/18	General Surgery	2		2	1	25	25
				BIO/14	Pharmacology	1		1		12,5	
				MED/08	Pathology	1		1		12,5	

				MED/36	Clinical Imaging and Diagnostic	1		1		12,5	
IV	II	Genitourinary Diseases	13	MED/24	Urology		1	1	1	12,5	25
				MED/14	Nephrology		2	2	1	25	25
				MED/08	Pathology		1	1		12,5	
				MED/36	Clinical Imaging and Diagnostic		1	1		12,5	
				MED/40	Gynaecology		3	3	2	37,5	50
				BIO/14	Pharmacology		1	1		12,5	
IV	II	Endocrinology and Metabolism	4	MED/13	Endocrinology and Metabolism		3	3	1	37,5	25
IV	II	Dermatology, Clinical Immunology and Infectious Diseases	11	MED/35	Dermatology		2	2	1	25	25
				MED/16	Clinical Immunology		2	2	1	25	25
				MED/17	Infectious Diseases		2	2	1	25	25
				MED/19	Plastic Surgery		1	1	1	12,5	25
V	I	Locomotor System Diseases	19	MED/33	Orthopaedics	4		4	2	50	50
				MED/34	Physical And Rehabilitation Medicine	1		1	2	12,5	50
				MED/36	Clinical Imaging and Diagnostic	1		1		12,5	
				ING-IND/34	Biomechanics	6		6		75	
				ING-IND/34	Rehabilitation Robotics and Prosthetics	3		3		37,5	
V	I	AI and data mining	5	ING-INF/05	AI and data mining	5		5		62,5	
V	II	Cancer Medicine	21	MED/06	Medical Oncology		3	3	3	37,5	75
				MED/15	Hematology		3	3	1	37,5	25
				MED/36	Radiotherapy		2	2	1	25	25
				BIO/14	Pharmacology		2	2		25	
				MED/08	Pathology		4	4		50	
				MED/18	General Surgery		1	1	1	12,5	25
V	II	Clinical Neuroscience	15	MED/25	Psychiatry		3	3		37,5	
				MED/26	Neurology		5	5	2	62,5	50
				MED/27	Neurosurgery		1	1	1	12,5	25
				MED/37	Neuroradiology		1	1		12,5	
				MED/39	Child Neuropsychiatry		1	1		12,5	
				M-PSI/08	Clinical Psycology		1	1		12,5	
VI	I	Child Medicine	8	MED/38	Paediatrics	4		4	2	50	50
				MED/40	Obstetrics	1		1	1	12,5	25
VI	I	Hygiene, Public Health and Business Administration	8	MED/42	Hygiene And Public Health	3		3	4	37,5	100
				SECS-P/07	Business Administration And Accounting Studies	1		1		12,5	
VI	I	Surgery	14	MED/18	General Surgery	5		5	6	62,5	150
				ING-IND/34	Surgical Robotics	3		3		37,5	
VI	II	Healthcare Management	6	ING-IND/35	Healthcare Management		6	6		60	
VI	I/II	Internal Medicine	23	MED/09	Internal Medicine	7	6	13	10	162,5	250
VI	II	Head and Neck	7	MED/28	Oral Diseases And Dentistry		1	1		12,5	
				MED/30	Ophthalmology		2	2	1	25	25
				MED/31	Otorhinolaryngology		2	2	1	25	25
VI	II	Anaesthesiology and Emergency	5	MED/41	Anaesthesiology and Emergency		3	3	2	37,5	50
VI	II	Forensic Medicine	2	MED/43	Forensic Medicine		2	2		25	

TOT	147	137	284	60	3550	1500
30 CFU opzionali di area ingegneristica	11	19	30		300	