



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2019/20**  
**BACHELOR**

**Cardiocirculatory and Cardiovascular Perfusion Techniques (Classe L/SNT3)**

**Enrolled since 2011/12 Academic Year**

**HEADING**

<b>Degree classification - Denomination and code:</b>	L/SNT3 Health professions for technical assistance
<b>Degree title:</b>	Dottore
<b>Length of course:</b>	3 years
<b>Total number of credits required to complete programme:</b>	180
<b>Years of course currently available:</b>	1st , 2nd , 3rd
<b>Access procedures:</b>	Cap on student, student selection based on entrance test
<b>Course code:</b>	D78

**PERSONS/ROLES**

**Head of Interdepartmental Study Programme**

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<b>1st COURSE YEAR Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Biomedical Engineering	8	(2) ING-INF/07, (2) ING-INF/06, (2) FIS/07, (2) ING-IND/22
Biomedical Science	6	(1) MED/03, (1) MED/04, (2) BIO/10, (1) MED/07, (1) BIO/13
Cardiovascular Diseases	4	(2) MED/50, (1) MED/11, (1) MED/23
Clinical Pathology and Pharmacology	5	(1) MED/09, (2) BIO/14, (1) MED/18, (1) MED/05
Computer Science	3	ND
English assessment B1 (2 ECTS)	2	L-LIN/12
Epidemiology, Medical Statistics and Occupational Medicine	8	(2) MED/01, (2) MED/45, (1) MED/44, (2) MED/42, (1) MED/36
Multidisciplinary Seminars and Insights ( 1 year)	1	ND
Principles of Anatomy and Physiology	7	(3) BIO/09, (1) BIO/17, (3) BIO/16
Professional Laboratories ( 1 year)	1	MED/50
Training ( 1 year)	15	MED/50
	Total compulsory credits	60
<b>Elective courses</b>		
<b>2nd COURSE YEAR Core/compulsory courses/activities common</b>		

Learning activity		Ects	Sector
Cardiothoracic Imaging and Cardiovascular Sonography		6	(2) MED/11, (2) MED/22, (2) MED/36
Electrocardiography, Arrhythmology and Electrostimulation		4	(1) MED/50, (3) MED/11
Extracorporeal Circulation		8	(4) MED/50, (1) MED/22, (1) MED/41, (2) MED/23
Medicine Specialties		7	(1) MED/50, (2) MED/14, (1) MED/15, (2) MED/26, (1) MED/06
Multidisciplinary Seminars and Insights ( II year)		1	ND
Pediatric Heart diseases		6	(2) MED/50, (2) MED/20, (1) MED/41, (1) MED/23
Professional Laboratories ( II year)		1	MED/50
Respiratory Medicine and Lung Diseases		5	(1) MED/50, (2) MED/10, (2) MED/21
Training ( II year)		20	MED/50
		Total compulsory credits	58
<b>Elective courses</b>			
<b>3rd COURSE YEAR Core/compulsory courses/activities common</b>			
Learning activity		Ects	Sector
Advanced Techniques of Perfusion and Extracorporeal Life-Support		5	(2) MED/50, (1) MED/11, (2) MED/23
Cardiovascular Research		4	(2) SECS-S/02, (1) MED/02, (1) MED/23
Health Law and Organization		4	(1) SECS-P/07, (1) IUS/07, (1) SPS/07, (1) SECS-P/10
Invasive Cardiovascular Techniques		4	(1) MED/50, (1) MED/11, (2) MED/23
Multidisciplinary Seminars and Insights ( III year)		1	ND
Professional Laboratories (III year)		1	MED/50
Psychological, Legal and Organizational principles of Professional Practice		5	(1) MED/50, (2) M-PSI/01, (2) MED/43
Training ( III year)		25	MED/50
		Total compulsory credits	49
<b>Elective courses</b>			
<b>End of course requirements</b>			
Final Exam		7	NA
		Total compulsory credits	7

## COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
Cardiovascular Diseases	Biomedical Engineering	Core/compulsory
Clinical Pathology and Pharmacology	Biomedical Science	Core/compulsory
Biomedical Science	Principles of Anatomy and Physiology	Core/compulsory