

Cycle view of the study programme

		B1	Or	Th	Pr	Au	Cr
Compulsory courses (B1 : 43Cr, B2 : 27Cr)							
SANT0740-2	<i>General introduction to public health</i> - Michèle GUILLAUME, Sylvie STREEL - [10h Mon. WS]	B1	Q1	30	-	[+]	4
STAT0730-2	<i>Biostatistics</i> - <i>Biostatistics</i> - AnneFrançoise DONNEAU - <i>Statistical analysis software</i> - AnneFrançoise DONNEAU, Philippe KOLH	B1	Q1	30	-	-	5
METO1021-1	<i>Critical approach to evidence based public health</i> - Olivier BRUYÈRE, Nancy DURIEUX - [10h AUTR]	B1	Q1	20	20	[+]	5
ECON2304-1	<i>Organisational and economic aspects of health systems</i> - Benoît COLLIN, Fabienne FECHERBOURGEOIS, Yolande HUSDEN, Denis PORIGNON - [10h AUTR]	B1	Q1	40	-	[+]	5
LEGI1005-1	<i>Law, legislation and regulations in the healthcare sector</i> - Quentin DETIENNE, Gilles GENICOT, Pierre GILLET - [15h AUTR]	B1	Q1	35	10	[+]	5
SANT4011-1	<i>Epidemiology</i> - AnneFrançoise DONNEAU, Michèle GUILLAUME, Sylvie STREEL	B1	Q2	30	15	-	4
METO1022-1	<i>Research methodology</i> - Michèle GUILLAUME, Benoît PÉTRÉ, Sylvie STREEL, Sandrina VANDENPUT - [20h AUTR]	B1	TA	40	10	[+]	7
SANT4010-1	<i>Analysis of public health actions</i> - Nathan CHARLIER, Catherine FALLON, Aline THIRY - [10h AUTR]	B1	Q2	30	-	[+]	4
GEST7057-1	<i>Strategic management of health organisations</i> - Pierre GILLET, Nicolas NEYSEN	B1	Q2	20	15	-	4
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	B2	Q1	15	10	-	3
GEST7056-1	(pas organisé en 2021-2022) <i>Human Resources</i>	B2	Q2	10	10	-	2
GEST7058-1	(pas organisé en 2021-2022) <i>Managing change and innovation</i>	B2	Q2	10	10	-	2
MMEM0750-1	<i>Final thesis, including internship</i> - <i>Integrative methodological seminars</i> - AnneFrançoise DONNEAU, Benoît PÉTRÉ, Sylvie STREEL - [10h SEM] - <i>Final thesis</i> - Olivier BRUYÈRE, Jacinthe DANCOT, Alexandre GHUYSEN, Pierre GILLET, Michèle GUILLAUME, Benoît PÉTRÉ	B2	TA	-	-	[+]	20
	Prerequisite : METO1022-1 - Méthodologie de la recherche METO1021-1 - Approche critique de l'evidence based public health SANT0740-2 - Introduction générale à la Santé publique STAT0730-2 - Biostatistique						
	Corequisite : STAT1750-1 - Multivariate statistical analysis						

Optional courses (B1 : 17Cr, B2 : 33Cr)

Choose one module from : (B1 : 17Cr, B2 : 3Cr)

Introduction to managing critical patients module (B1 : 17Cr, B2 : 3Cr)

TECH0750-1	<i>Structural and functional basic elements</i> - <i>Human physiology / hemostasis and coagulation</i> - Pierre PETERS, Laurence ROEDIGER - <i>Biochemistry</i> - Christel PEQUEUX - <i>Anatomical approaches</i> - Pierre BONNET	B1	Q2	15	-	-	3
SANG0001-1	<i>Blood products administration - Transfusion</i> - André GOTHOT	B1	Q2	10	-	-	1
TECH0756-1	<i>Deontological problems and ethics relating to critically-ill patients</i> - Alexandre GHUYSEN	B1	Q2	10	-	-	1

TECH1002-1	<i>Introduction to substitution - Training through simulation -</i> Rodolphe DURIEUX, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION	B1	Q2	10	10	-	3
REAN0003-1	<i>Techniques of critical patient monitoring -</i> Laurence ROEDIGER	B1	Q2	20	-	-	3
PHAR1001-1	<i>Critical patient Pharmacology -</i> Grégory HANS, Benoît MISSET, Marc SENARD - [4h Vis.]	B2	Q1	20	-	[+]	3

Students must choose the Introduction to Perfusion course or the Introduction to Intensive and Emergency Care course. (B1 : 6Cr)

Introduction to perfusion (B1 : 6Cr)

TECH0740-1	<i>Clinical applications and professional practice I -</i> JeanNoël KOCH, MarcGilbert LAGNY	B1	Q2	30	-	-	3
MSTG0740-1	<i>Clinical placement and the simulation laboratory -</i> JeanOlivier DEFRAIGNE, JeanNoël KOCH, MarcGilbert LAGNY	B1	TA	-	-	-	3

Introduction to intensive and emergency care (B1 : 6Cr)

URGC0003-1	<i>Emergencies specialized and transportable services for emergency resuscitation -</i> Romain BETZ	B1	Q2	30	-	-	3
URGC0002-1	<i>Approach of nursing function specialized in emergencies : sorting systems -</i> Edmond BRASSEUR, Samuel STIPULANTE, Rebecca TUBES	B1	TA	12	9	-	3

Public health: settings and methods of acting module (B1 : 17Cr, B2 : 3Cr)

SANT4009-1	<i>Population health -</i> Romain BETZ, Gilles DARCIS, JeanChristophe PHILIPS - [10h AUTR]	B1	Q1	30	-	[+]	3
SANT4008-1	<i>Social issues and ethics in healthcare -</i> Florence CAEYMAEX - [10h AUTR]	B1	Q1	15	5	[+]	3
METO1023-1	<i>Qualitative research methods -</i> Benoît PÉTRÉ - [25h AUTR]	B1	Q2	25	-	[+]	3
SANT4013-1	<i>Promoting health and its determinants -</i> Michèle GUILLAUME, Axelle HOGE, Chantal LEVA - [10h AUTR]	B1	Q2	30	-	[+]	3
SANT4022-1	<i>Integration seminars in public health -</i> COLLÉGIALITÉ - [20h AUTR]	B1	Q2	-	-	[+]	2
SANT4012-1	<i>One Health and Integrative Approaches to Health -</i> Nicolas ANTOINEMOUSSIAUX - [15h AUTR]	B1	Q2	20	-	[+]	3
SANT1001-2	(pas organisé en 2021-2022) <i>Public health communication principles</i> - Marianne VON FRENCKELL	B2	Q1	20	10	-	3

Choose one focus from the following : (B2 : 30Cr)

Professional focus in the critical patient (B2 : 30Cr)

REAN0002-1	<i>Pathophysiology of the critical patient</i> - Part I : <i>Cardiovascular pathophysiology -</i> Paul MASSION, Philippe MORIMONT, Sébastien ROBINET - Part II : <i>Respiratory pathophysiology -</i> Edmond BRASSEUR - Part III : <i>Renal pathology, hemofiltration and dialysis of critical patient -</i> François JOURET	B2	Q1	15	-	-	4
URGC0001-1	<i>Practice of simulation with the critical / acute patient -</i> Alexandre GHUYSEN	B2	Q1	5	15	-	2
HYGI0001-1	<i>Healthcare-associated infections prevention -</i> MariePierre HAYETTE - [8h Mon. WS]	B2	Q1	12	-	[+]	2
SIMU0006-1	<i>Theory of simulation learning and technological modality -</i> Alexandre GHUYSEN	B2	Q1	15	15	-	3
TECH1003-1	<i>Critically ill patient surgery</i>	B2	Q1				3

	- <i>Introduction to cardiac surgery and perfusion in resuscitation</i> - Quentin DESIRON, Vincent TCHANASATO	15	-	-		
	- <i>Transplantation surgery : cardiopulmonary, kidney-pancreas, liver</i> - Pierre BONNET, Olivier DETRY, JeanPaul SQUIFFLET	15	-	-		
	- <i>Polytraumatized</i> - Romain BETZ	5	-	-		
SIMU0004-1	<i>Research and ethics in simulation</i> - Alexandre GHUYSEN	B2	Q2	6	4	- 2

Choose one module from : (B2 : 14Cr)

**Perfusion module
(B2 : 14Cr)**

TECH0754-1	<i>Clinical applications and professional practice II</i> - Jonathan GOFFOY, JeanNoël KOCH, MarcGilbert LAGNY - [10h SEM]	B2	Q1	10	10	[+] 4
TECH0753-1	<i>Biocompatibility and biomaterials, fluid dynamics and circulatory modelling</i> - Thomas DESAIVE, JeanNoël KOCH, MarcGilbert LAGNY, Philippe MORIMONT	B2	Q2	15	-	- 2
TECH0752-1	<i>Replacement devices</i> - Jonathan GOFFOY, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION, Philippe MORIMONT	B2	Q2	10	-	- 2
TECH1001-1	<i>Advanced adult and paediatric Cardiac surgery</i> - Marc RADERMECKER, Dominique THIRY	B2	Q2	15	5	- 2
MSTG0752-1	<i>Specific placement in intravenous treatments, including in the simulation laboratory</i> - JeanOlivier DEFRAIGNE, JeanNoël KOCH, MarcGilbert LAGNY	B2	TA	-	-	- 4

**Intensive and emergency care module
(B2 : 14Cr)**

URGC0751-1	<i>Collective emergencies and disaster plans</i> - Romain BETZ	B2	Q1	20	-	- 2
REAN0004-1	<i>Specialized intensive care unit</i> - <i>Coronary Care Unit</i> - Patrizio LANCELLOTTI - <i>Management of people who suffer major burns</i> - Denise JACQUEMIN, AnneFrançoise ROUSSEAU - <i>Respiratory resuscitation unit</i> - Bernard LAMBERMONT - <i>Neuro resuscitation Unit - Stroke units</i> - Colette FRANSSSEN, Julien LY - <i>Onco resuscitation Unit - Sterile units</i> - Frédéric BARON, Yves BEGUIN	B2	Q1	5 5 5 5	- - - -	- - - - 3
URGC1001-1	<i>Elements of radioprotection</i> - Véra PIRLET	B2	Q1	8	-	- 1
URGC0754-1	<i>Resuscitation mother-child</i> - Patrick EMONTS, Benoît MISSET, Michelle NISOLLE, Vincent RIGO	B2	Q2	10	5	- 1
NUTR0003-1	<i>Emergency nutrition and nutrition in intensive cares</i> - Nicolas PAQUOT	B2	Q2	5	-	- 1
COMM0006-2	<i>Communication strategy - difficult conversations</i> - <i>Theory and practice in communication</i> - Alexandre GHUYSEN, Méryl PAQUAY - <i>Specific module in critically-ill patient</i> - Alexandre GHUYSEN, Méryl PAQUAY	B2	TA	10	8	- 2
COMM0007-2	<i>Team-working - Management, resources and crises</i> - <i>Team working in theory and practice</i> - Alexandre GHUYSEN, Méryl PAQUAY - <i>Specific module in critical care</i> - Alexandre GHUYSEN, Méryl PAQUAY	B2	TA	10	8	- 2
MSTG9059-1	<i>Placement in simulation</i> - Alexandre GHUYSEN	B2	TA	6	32	- 2

Professional focus for public health practitioners (B2 : 30Cr)

Choose two of the following options : (B2 : 30Cr)

Subject: Epidemiology and healthcare economics (B2 : 15Cr)

SANT4014-1	(pas organisé en 2021-2022) <i>Health technology assessment and medical-economic evaluation</i> - Olivier ETHGEN - [10h AUTR]	B2	Q1	20	10	[+]	4
EPID2003-1	(pas organisé en 2021-2022) <i>Clinical and interventional epidemiology</i> - Olivier BRUYÈRE, JeanYves REGINSTER	B2	Q1	15	15	-	3
METO1024-1	(pas organisé en 2021-2022) <i>Advanced methods in the systematic review of literature and meta-analysis</i> - Charlotte BEAUDART, Olivier BRUYÈRE, Nancy DURIEUX	B2	Q1	15	15	-	3
STAT0007-1	<i>Advanced statistics in epidemiology</i> - AnneFrançoise DONNEAU	B2	Q2	10	10	-	2
EPID2005-1	(pas organisé en 2021-2022) <i>Workshops to integrate advanced methods in epidemiology</i> - Olivier BRUYÈRE, JeanYves REGINSTER - [10h AUTR]	B2	Q2	10	10	[+]	3

Subject: Health and environment (B2 : 15Cr)

SANT4024-1	<i>Introduction to the One Health / EcoHealth concept and to system thinking</i> - <i>Introduction to the One Health / EcoHealth concept</i> - Nicolas ANTOINEMOUSSIAUX, COLLÉGIALITÉ - [5h AUTR] - <i>Introduction to system thinking</i> - Nicolas ANTOINEMOUSSIAUX, COLLÉGIALITÉ - [5h AUTR]	B2	Q2				2
				10	-	[+]	
				8	-	[+]	
PATH3234-1	<i>Exposure assessment</i> - <i>Introduction to toxicology and ecotoxicology</i> - Corinne CHARLIER, COLLÉGIALITÉ, Catherine PIRARD - [5h AUTR] - <i>Introduction to health risks of biological origin</i> - COLLÉGIALITÉ, Saadia LASRI, Claude SAEGERMAN - [5h AUTR] - <i>Introduction to health risks of physical origin</i> - COLLÉGIALITÉ, Dorina RUSU - [5h AUTR]	B2	Q2				3
				12	-	[+]	
				12	-	[+]	
				12	-	[+]	
COMM0010-1	<i>Ethics, communication interdisciplinary work</i> - <i>Ethics and communication in environmental health</i> - COLLÉGIALITÉ, Jacinthe DANCOT - [5h AUTR] - <i>Interdisciplinary care</i> - COLLÉGIALITÉ, Catherine DELGUSTE - [10h AUTR]	B2	Q2				2
				10	-	[+]	
				6	-	[+]	
LEGI1006-1	<i>Legislative aspects</i> - COLLÉGIALITÉ, Dorina RUSU - [5h AUTR]	B2	Q2	20	-	[+]	2
PATH3235-1	<i>Environmental diseases</i> - COLLÉGIALITÉ, JeanLouis CORHAY, MutienMarie GARIGLIANY, Dorina RUSU - [10h AUTR]	B2	Q2	30	-	[+]	3
MSTG9088-1	<i>Case study</i> - Nicolas ANTOINEMOUSSIAUX, COLLÉGIALITÉ, Dorina RUSU - [40h Pr.]	B2	Q2	-	-	[+]	3

Subject: Public health nutrition (B2 : 15Cr)

EPID2004-1	(pas organisé en 2021-2022) <i>Nutritional epidemiology</i> - Michèle GUILLAUME, Axelle HOGE - [10h AUTR]	B2	Q1	20	-	[+]	3
NUTR1005-1	(pas organisé en 2021-2022) <i>Current issues in food and health: new knowledge</i> - Michèle GUILLAUME, Axelle HOGE - [10h AUTR]	B2	Q1	30	-	[+]	4
SOCI9012-1	(pas organisé en 2021-2022) <i>Sociology of nutrition</i> - Elsa MESCOLI	B2	Q1	15	5	-	2
NUTR1006-1	(pas organisé en 2021-2022) <i>Research into action and nutrition in public health</i> - Nicolas ANTOINEMOUSSIAUX, Axelle HOGE,	B2	Q2	30	10	-	4

Denis PORIGNON

NUTR1007-1	(pas organisé en 2021-2022) <i>Nutrivigilance</i>	B2	Q2	15	5	-	2
Subject: Health promotion (B2 : 15Cr)							
PSYC1054-1	<i>Psychology and Health</i> - AnneMarie ETIENNE	B2	Q1	30	-	-	2
PEDA4060-1	(pas organisé en 2021-2022) <i>Teaching and communication in health</i> - Benoît PÉTRÉ - [15h AUTR]	B2	Q1	15	-	[+]	3
SANT0013-1	<i>Strategies of fight against social inequalities in health and health literacy</i> - Nicolas ANTOINEMOUSSIAUX, Chantal LEVA - [20h AUTR]	B2	Q1	10	-	[+]	3
SANT4015-1	(pas organisé en 2021-2022) <i>Evaluation of health promotion programmes</i> - Michèle GUILLAUME, Denis PORIGNON - [10h AUTR]	B2	Q1	10	-	[+]	2
SANT0012-1	<i>Promotion of health programs engineering</i> - Michèle GUILLAUME, Axelle HOGE, Chantal LEVA - [20h AUTR]	B2	Q2	10	-	[+]	3
PSYC5894-1	<i>Change of attitude and social influence</i> - Benoît DARDENNE	B2	Q2	30	-	-	2
Subject: Management of healthcare organisations (B2 : 15Cr)							
GEST7059-1	(pas organisé en 2021-2022) <i>Operational management in healthcare organisations</i>	B2	Q1	20	15	-	4
GEST7060-1	(pas organisé en 2021-2022) <i>Financial aspects (analytical approach)</i>	B2	Q1	25	10	-	4
SANT4019-1	(pas organisé en 2021-2022) <i>Digital transition in the field of healthcare</i>	B2	Q2	25	10	-	4
GEST7061-1	(pas organisé en 2021-2022) <i>Soft skills workshops</i> - [40h AUTR]	B2	TA	5	-	[+]	3
Subject: international health (B2 : 15Cr)							
SANT4016-1	(pas organisé en 2021-2022) <i>Framework concepts for actors in international health</i> - [5h AUTR]	B2	Q1	15	-	[+]	2
SANT4017-1	(pas organisé en 2021-2022) <i>Health system governance and funding</i> - [15h AUTR]	B2	Q1	30	-	[+]	4
SANT4018-1	(pas organisé en 2021-2022) <i>Planning, monitoring and evaluating health policies and programmes</i> - [15h AUTR]	B2	Q1	20	-	[+]	3
SANT4020-1	(pas organisé en 2021-2022) <i>Global change and health</i> - [5h AUTR]	B2	Q2	15	-	[+]	2
SANT4023-1	(pas organisé en 2021-2022) <i>Multiculturalism and health</i> - [5h AUTR]	B2	Q2	15	-	[+]	2
SANT4021-1	(pas organisé en 2021-2022) <i>Integrative exercise on a question of international health</i> - [35h AUTR]	B2	Q2	5	-	[+]	2

Additional ECTS Master in public health (120 ECTS)

Compulsory courses (B0 : 6Cr)

All students who do not have direct access to the Master of Science in Public Health will, as part of their curriculum, for a total of six compulsory credits, have the following courses:

INFO1001-1	<i>Introduction to the use of computer tools</i> - Nathalie CAVAN, Sylvie STREEL	B0	Q1	10	10	-	2
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LANG1002-1	<i>English applied to Public health</i> - Jérôme GAILLARD, Sébastien SCHOENMAECKERS - [10h Mon. Read.]	B0	Q2	10	10	[+]	2
PHIL0110-1	<i>Epistemology of Health Sciences</i> - Vinciane DESPRET	B0	Q2	15	-	-	2

Optional courses (B0 : 23Cr)

In addition to these compulsory courses in Block 0, students who hold the academic qualification of specialised Bachelors, Bachelor ¿nurse responsible for general treatment¿ (infirmier responsable de soins généraux), ¿mid-wife¿ Bachelors or who have validated their experience, may complete their curriculum with courses from Block 0, chosen for a maximum of nine credits.

In addition to these compulsory courses in Block 0, students who hold the academic qualification of Bachelors must complete the curriculum with courses from Block 0, chosen for a minimum of nine credits and a maximum of 23 credits.

PSYC0520-1	<i>Introduction to psychology</i> - Laurence ROUSSELLE - Suppl : Aurélie WAGENER	B0	Q1	15	-	-	2
SANT0724-1	<i>Introduction to Mental Health</i> - JeanMarc TRIFFAUX	B0	Q1	15	-	-	2
BIOC0700-1	<i>Human Biochemistry</i> - Christel PEQUEUX	B0	Q1	15	-	-	2
MICR0712-2	<i>Microbiology, elements of virology and transmissible diseases</i> - MariePierre HAYETTE, Nathalie JACOBS	B0	Q1	20	-	-	2
SANT0710-1	<i>Health of children and teenagers</i> - AnneSimone PARENT	B0	Q2	20	-	-	2
SOCI0154-1	<i>Introduction to sociology</i> - JeanFrançois ORIANNE	B0	Q2	15	-	-	2
ECON0610-3	<i>Introduction to political economy, Theory</i> - HenryJean GATHON	B0	Q2	30	-	-	3
ANTH0001-1	<i>Social and cultural anthropology 1</i> - Benjamin RUBBERS	B0	Q2	30	-	-	5
PSYC0017-1	<i>Social psychology</i> - Benoît DARDENNE	B0	Q2	30	-	-	3