

Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
Core curriculum compulsory courses (B1 : 43Cr, B2 : 27Cr)							
SANT0740-2	<i>General introduction to public health</i> - Benoît PÉTRÉ - [10h Mon. WS]	B1	Q1	30	-	[+]	3
STAT0730-2	<i>Biostatistics</i> - AnneFrançoise DONNEAU	B1	Q1	35	25	-	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>Modèles organisationnels et économiques des systèmes de santé</i> - <i>Les systèmes de santé - Analyse comparative des pays de l'OCDE</i> - <i>L'approche assurantielle parastatale - le système belge d'assurance maladie au sein du système de santé et de sécurité sociale</i> - <i>La santé internationale : atouts et perspectives</i> - <i>Analyse économique des systèmes de santé - Organisation et financement</i>	B1	Q1	12	-	-	5
LEGI1005-1	<i>Law, legislation and regulations in the healthcare sector</i> - <i>Introduction to the basic concepts of public law</i> - Quentin DETIENNE - <i>Medical and biomedical law</i> - <i>Simulation of parliamentary sessions</i> - [15h PBL]	B1	Q1	10	-	-	5
SANT4011-1	<i>Epidemiology</i> - Olivier BRUYÈRE	B1	Q2	30	15	-	4
SANT4010-1	<i>Analysis of public health actions</i> - Nathan CHARLIER - [10h AUTR]	B1	Q2	30	-	[+]	4
GEST7057-1	<i>Strategic management of health organisations</i> - Nicolas NEYSEN, Méryl PAQUAY	B1	Q2	20	15	-	4
METO1033-1	<i>Preparing the dissertation</i> - Olivier BRUYÈRE, COLLÉGIALITÉ, Axelle HOGE, Benoît PÉTRÉ - [14h AUTR] Corequisite : METO1022-1 - Méthodologie de la recherche	B1	Q2	2	4	[+]	3
DURA0003-5	<i>Sustainability and transition in healthcare</i> - <i>Common core</i> - Nicolas ANTOINEMOUSSIAUX, Marjorie BARDIAU, Anne COLLARD, Charlotte CORNIL, Boris JIDOVTSSEFF, Geneviève PHILIPPE, Félix SCHOLTES, Claire WILQUET - [8h SEM] - <i>Specific issues in the field of public health sciences</i> - Nicolas ANTOINEMOUSSIAUX	B1	Q2	4	-	[+]	1
METO1022-1	<i>Research methodology, Partim théorique</i> - Benoît PÉTRÉ, Sylvie STREEL, Sandrina VANDENPUT	B1	TA	30	10	-	4
STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU Prerequisite : STAT0730-2 - Biostatistique	B2	Q1	15	10	-	3
GEST7056-1	<i>Human Resources</i> - Méryl PAQUAY	B2	Q2	10	10	-	2
GEST7058-1	<i>Managing change and innovation</i> - Méryl PAQUAY	B2	Q2	10	10	-	2
MMEM0750-1	<i>Final thesis, including internship</i> - <i>Integrative methodological seminars</i> - COLLÉGIALITÉ, AnneFrançoise DONNEAU, Benoît PÉTRÉ - [10h SEM] - <i>Final thesis</i> - COLLÉGIALITÉ, Benoît PÉTRÉ Prerequisite : METO1033-1 - Préparation au mémoire SANT0740-2 - Introduction générale à la Santé publique METO1021-1 - Approche critique de l'evidence based public health METO1022-1 - Méthodologie de la recherche STAT0730-2 - Biostatistique Corequisite : STAT1750-1 - Multivariate statistical analysis	B2	TA	-	-	[+]	20

Common core courses (B1 : 17Cr, B2 : 3Cr)

Choose one option from the following : (B1 : 17Cr, B2 : 3Cr)

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

TECH0750-1	<i>Structural and functional basic elements</i> - Human physiology / hemostasis and coagulation - Pierre PETERS, Laurence ROEDIGER - Biochemistry - Christel PEQUEUX - Anatomical approaches - Valérie DEFAWEUX	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</i> - Rodolphe DURIEUX, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION	B1	Q2	20	-	-			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, Bernard LAMBERMONT, 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> - JeanNoël KOCH, MarcGilbert LAGNY, Vincent TCHANASATO Corequisite : TECH0740-1 - Applications cliniques et pratique professionnelle I	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	B1	TA	12	9	-			3

settings and methods of acting in public health (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 - [14h AUTR]	B1	Q1	6	-		[+]		3
METO1023-1	<i>Qualitative research methods</i> - Benoît PÉTRÉ - [25h AUTR] Corequisite : METO1022-1 - Méthodologie de la recherche	B1	Q2	25	-		[+]		3
SANT4013-1	<i>Promoting health and its determinants</i> - Benoît PÉTRÉ - [10h AUTR] Corequisite : SANT0740-2 - Introduction générale à la Santé publique	B1	Q2	30	-		[+]		3
SANT4012-1	<i>One Health and Integrative Approaches to Health</i> - Nicolas ANTOINEMOUSSIAUX - [15h AUTR] Corequisite : SANT0740-2 - Introduction générale à la Santé publique	B1	Q2	20	-		[+]		3
SANT4036-1	<i>Project management in public health</i> - [10h AUTR]	B1	Q2	10	-		[+]		2
SANT4022-1	<i>Integration seminars in public health (Service Learning)</i> - COLLÉGIALITÉ, Benoît PÉTRÉ - [20h AUTR]	B2	TA	-	-		[+]		3

Focus compulsory courses (B2 : 16Cr)

REAN0002-1	<i>Pathophysiology of the critical patient</i>	B2	Q1						4
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	- Part I : Cardiovascular pathophysiology - Paul MASSION, Philippe MORIMONT	15	-	-		
	- Part II : Respiratory pathophysiology - Edmond BRASSEUR	15	-	-		
	- Part III : Renal pathology, hemofiltration and dialysis of critical patient - François JOURET	15	-	-		
URGC0001-1	Practice of simulation with the critical / acute patient - Alexandre GHUYSEN	B2	Q1	5	15	2
HYGI0001-1	Healthcare-associated infections prevention - Nathalie LAYIOS - [8h Mon. WS]	B2	Q1	12	-	[+] 2
SIMU0006-1	Theory of simulation learning and technological modality - Nadège DUBOIS, Alexandre GHUYSEN	B2	Q1	15	15	3
TECH1003-1	Critically ill patient surgery	B2	Q1			3
	- Introduction to cardiac surgery and perfusion in resuscitation - Quentin DESIRON, Delphine SZECEL			15	-	-
	- Transplantation surgery : cardiopulmonary, kidney-pancreas, liver - Olivier DETRY			15	-	-
	- Polytraumatized - Romain BETZ			5	-	-
SIMU0004-1	Research and ethics in simulation - Alexandre GHUYSEN	B2	Q2	6	4	2

Focus optional courses (B2 : 14Cr)

Students will have to choose between the infusion module and the intensive care and emergency module: (B2 : 14Cr)

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

TECH0754-1	Clinical applications and professional practice II - JeanNoël KOCH, MarcGilbert LAGNY - [10h SEM]	B2	Q1	25	10	[+] 4
	Prerequisite : TECH0740-1 - Applications cliniques et pratique professionnelle I MSTG0740-1 - Stage clinique et au laboratoire de simulation					
TECH0753-1	Biocompatibility and biomaterials, fluid dynamics and circulatory modelling - Thomas DESAIVE, JeanNoël KOCH, MarcGilbert LAGNY, Philippe MORIMONT	B2	Q2	15	5	2
	Prerequisite : TECH1002-1 - Introduction aux dispositifs de suppléance					
TECH0752-1	Replacement devices - JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION, Philippe MORIMONT	B2	Q2	10	-	2
	Prerequisite : TECH1002-1 - Introduction aux dispositifs de suppléance Corequisite : TECH0753-1 - Biocompatibilité et biomatériaux, dynamique des fluides et modélisation circuloire					
TECH1001-1	Advanced adult and paediatric cardiac surgery - Marc RADERMECKER	B2	Q2	20	-	2
MSTG0752-1	Specific placement in intravenous treatments, including in the simulation laboratory - JeanNoël KOCH, MarcGilbert LAGNY, Vincent TCHANASATO	B2	TA	-	-	4
	Prerequisite : TECH0740-1 - Applications cliniques et pratique professionnelle I MSTG0740-1 - Stage clinique et au laboratoire de simulation Corequisite : TECH0754-1 - Applications cliniques et pratique professionnelle II					

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

URGC0751-1	Collective emergencies and disaster plans - Alexandre GHUYSEN	B2	Q1	20	-	2
REAN0004-1	Specialized intensive care unit - Coronary Care Unit - Patrizio LANCELLOTTI, Mathieu LEMPEREUR	B2	Q1	5	-	3

	- <i>Management of people who suffer major burns</i> - François MARTIN, AnneFrançoise ROUSSEAU	5	-	-			
	- <i>Respiratory resuscitation unit</i> - Bernard LAMBERMONT	5	-	-			
	- <i>Neuro resuscitation Unit - Stroke units</i> - Colette FRANSSSEN, Julien LY	5	-	-			
	- <i>Onco resuscitation Unit - Sterile units</i> - Frédéric BARON, Jo CAERS	5	-	-			
URGC1001-1	<i>Elements of radioprotection</i> - Véra PIRLET	B2	Q1	8	-	-	1
URGC0754-1	<i>Resuscitation mother-child</i> - Frédéric CHANTRAINE, Bernard LAMBERMONT, Bernard LAMBERMONT, 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>	B2	TA				2
	- <i>Theory and practice in communication</i> - Alexandre GHUYSEN			10	8	-	
	- <i>Specific module in critically-ill patient</i> - Alexandre GHUYSEN			-	8	-	
COMM0007-2	<i>Team-working - Management, resources and crises</i>	B2	TA				2
	- <i>Team working in theory and practice</i> - Alexandre GHUYSEN			10	8	-	
	- <i>Specific module in critical care</i> - Alexandre GHUYSEN			-	8	-	
MSTG9059-1	<i>Placement in simulation</i> - Alexandre GHUYSEN	B2	TA	6	32	-	2

Bridging courses Master in public health (120 credits) 2024-2025

Compulsory courses (B0 : 5Cr)

The B0 course programme will be determined on the basis of the student's profile and the chosen professional focus (if necessary, after the student has met with the Master's coordinator). It will include compulsory courses chosen from the list below.

Except in special cases, all students who do not have direct access to the Master in Public Health will have the following courses included in their curriculum, for a total of 5 credits:

INFO1001-1	<i>Introduction to the use of computer tools</i> - Nathalie CAVAN, Eddy HUSSON	B0	Q1	10	10	-	2
LANG1002-1	<i>English applied to Public Health</i> (english language) - Jérôme GAILLARD, Martin POLSON - [10h Mon. Read.]	B0	Q2	10	10	[+]	2
PHIL0110-1	<i>Epistemology of Health Sciences</i> - Pieter THYSSSEN	B0	Q2	15	-	-	1

Optional courses (B0 : 25Cr)

In addition to these 3 courses, students who have an advanced bachelor's degree, a Nurse Responsible for General Care bachelor's degree or a Midwife bachelor's degree, or who have an accreditation of prior experience, may have courses added to their block 0 curriculum, for a maximum of 10 credits.

In addition to these 3 courses, students with a bachelor's degree (without professional experience) will have courses added to their block 0 curriculum, for a minimum of 10 credits and a maximum of 24 credits.

The total number of bridging courses in B0 will be determined by the jury of the Master in Public Health and will depend on the candidate's academic and professional background as well as the chosen focus.

PSYC0520-1	<i>Introduction to health psychology</i> - 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>Transmissible diseases and vaccines</i> - MariePierre HAYETTE, Nathalie JACOBS	B0	Q1	20	-	-	2
DURA0001-2	<i>Sustainability and transition</i> - Anne COLLARD, Félix SCHOLTES	B0	Q1	12	-	-	1
SANT0710-1	<i>Health of children and teenagers</i> - Julie FUDVOYE	B0	Q2	20	-	-	2
PSYC0017-1	<i>Social psychology</i> - Benoît DARDENNE	B0	Q2	30	-	-	4

SOCI0154-1	<i>Introduction à la sociologie</i> - <i>Notions de base</i> - JeanFrançois ORIANNE - <i>Applications à la santé publique</i> - N... - [15h AUTR]	B0	Q2	15	-	-		5
ECON0109-1	<i>Introduction to economic systems, Theory</i> - HenryJean GATHON	B0	Q2	30	-	-		4