

#### Block view of the study programme

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#### Block 1

##### Compulsory courses

SANT0740-2	<i>General introduction to public health</i> - Michèle GUILLAUME, Sylvie STREEL - [10h Mon. WS]	Q1	30	-	[+]	4
STAT0730-2	<i>Biostatistics</i> - <i>Biostatistics</i> - AnneFrançoise DONNEAU - <i>Statistical analysis software</i> - AnneFrançoise DONNEAU, Philippe KOLH	Q1	30 5	- 25	-	5
METO1021-1	<i>Critical approach to evidence based public health</i> - Olivier BRUYÈRE, Nancy DURIEUX - [10h AUTR]	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]	Q1	40	-	[+]	5
LEGI1005-1	<i>Law, legislation and regulations in the healthcare sector</i> - Quentin DETIENNE, Gilles GENICOT, Pierre GILLET - [15h AUTR]	Q1	35	10	[+]	5
SANT4011-1	<i>Epidemiology</i> - AnneFrançoise DONNEAU, Michèle GUILLAUME, Sylvie STREEL	Q2	30	15	-	4
METO1022-1	<i>Research methodology</i> - Michèle GUILLAUME, Benoît PÉTRÉ, Sylvie STREEL, Sandrina VANDENPUT - [20h AUTR]	TA	40	10	[+]	7
SANT4010-1	<i>Analysis of public health actions</i> - Nathan CHARLIER, Catherine FALLON, Aline THIRY - [10h AUTR]	Q2	30	-	[+]	4
GEST7057-1	<i>Strategic management of health organisations</i> - Pierre GILLET, Nicolas NEYSEN	Q2	20	15	-	4

##### Optional courses

Choose one module from :

##### Introduction to managing critical patients module

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	Q2	15 5 5	- - -	-	3
SANG0001-1	<i>Blood products administration - Transfusion</i> - André GOTHOT	Q2	10	-	-	1
TECH0756-1	<i>Deontological problems and ethics relating to critically-ill patients</i> - Alexandre GHUYSEN	Q2	10	-	-	1
TECH1002-1	<i>Introduction to substitution - Training through simulation</i> - Rodolphe DURIEUX, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION	Q2	10	10	-	3
REAN0003-1	<i>Techniques of critical patient monitoring</i> - Laurence ROEDIGER	Q2	20	-	-	3

Students must choose the Introduction to Perfusion course or the Introduction to Intensive and Emergency Care course.

##### Introduction to perfusion

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

##### Introduction to intensive and emergency care

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

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

#### Block 2

##### Compulsory courses

STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU	Q1	15	10	-	3
GEST7056-1	(pas organisé en 2021-2022) <i>Human Resources</i>	Q2	10	10	-	2
GEST7058-1	(pas organisé en 2021-2022) <i>Managing change and innovation</i>	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	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

###### Choose one module from :

#### Introduction to managing critical patients module

PHAR1001-1	<i>Critical patient Pharmacology</i> - Grégory HANS, Benoît MISSET, Marc SENARD - [4h Vis.]	Q1	20	-	[+]	3
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#### Public health: settings and methods of acting module

SANT1001-2	(pas organisé en 2021-2022) <i>Public health communication principles</i> - Marianne VON FRENCKELL	Q1	20	10	-	3
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###### Choose one focus from the following :

#### Professional focus in the critical patient

REAN0002-1	<i>Pathophysiology of the critical patient</i> - <i>Part I : Cardiovascular pathophysiology</i> - Paul MASSION, Philippe MORIMONT, Sébastien ROBINET - <i>Part II : Respiratory pathophysiology</i> - Edmond BRASSEUR - <i>Part III : Renal pathology, hemofiltration and dialysis of critical patient</i> - François JOURET	Q1	15	-	-	4
URGC0001-1	<i>Practice of simulation with the critical / acute patient</i> - Alexandre GHUYSEN	Q1	5	15	-	2

HYGI0001-1	<i>Healthcare-associated infections prevention</i> - MariePierre HAYETTE - [8h Mon. WS]	Q1	12	-	[+]	2
SIMU0006-1	<i>Theory of simulation learning and technological modality</i> - Alexandre GHUYSEN	Q1	15	15	-	3
TECH1003-1	<i>Critically ill patient surgery</i> - <i>Introduction to cardiac surgery and perfusion in resuscitation</i> - Quentin DESIRON, Vincent TCHANASATO - <i>Transplantation surgery : cardiopulmonary, kidney-pancreas, liver</i> - Pierre BONNET, Olivier DETRY, JeanPaul SQUIFFLET - <i>Polytraumatized</i> - Romain BETZ	Q1	15	-	-	3
SIMU0004-1	<i>Research and ethics in simulation</i> - Alexandre GHUYSEN	Q2	6	4	-	2

**Choose one module from :**

**Perfusion module**

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

**Intensive and emergency care module**

URGC0751-1	<i>Collective emergencies and disaster plans</i> - Romain BETZ	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	Q1	5	5	-	3
URGC1001-1	<i>Elements of radioprotection</i> - Véra PIRLET	Q1	8	-	-	1
URGC0754-1	<i>Resuscitation mother-child</i> - Patrick EMONTS, Benoît MISSET, Michelle NISOLLE, Vincent RIGO	Q2	10	5	-	1
NUTR0003-1	<i>Emergency nutrition and nutrition in intensive cares</i> - Nicolas PAQUOT	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	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,	TA	10	8	-	2

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MSTG9059-1 *Placement in simulation* - Alexandre GHUYSEN TA 6 32 - 2

#### Professional focus for public health practitioners

Choose two of the following options :

##### Subject: Epidemiology and healthcare economics

SANT4014-1	(pas organisé en 2021-2022) <i>Health technology assessment and medical-economic evaluation</i> - Olivier ETHGEN - [10h AUTR]	Q1	20	10	[+]	4
EPID2003-1	(pas organisé en 2021-2022) <i>Clinical and interventional epidemiology</i> - Olivier BRUYÈRE, JeanYves REGINSTER	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	Q1	15	15	-	3
STAT0007-1	<i>Advanced statistics in epidemiology</i> - AnneFrançoise DONNEAU	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]	Q2	10	10	[+]	3

##### Subject: Health and environment

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]	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]	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]	Q2				2
			10	-	[+]	
			6	-	[+]	
LEGI1006-1	<i>Legislative aspects</i> - COLLÉGIALITÉ, Dorina RUSU - [5h AUTR]	Q2	20	-	[+]	2
PATH3235-1	<i>Environmental diseases</i> - COLLÉGIALITÉ, JeanLouis CORHAY, MutienMarie GARIGLIANY, Dorina RUSU - [10h AUTR]	Q2	30	-	[+]	3
MSTG9088-1	<i>Case study</i> - Nicolas ANTOINEMOUSSIAUX, COLLÉGIALITÉ, Dorina RUSU - [40h Pr.]	Q2	-	-	[+]	3

##### Subject: Public health nutrition

EPID2004-1	(pas organisé en 2021-2022) <i>Nutritional epidemiology</i> - Michèle GUILLAUME, Axelle HOGE - [10h AUTR]	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]	Q1	30	-	[+]	4
SOCI9012-1	(pas organisé en 2021-2022) <i>Sociology of nutrition</i> - Elsa MESCOLI	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, Denis PORIGNON	Q2	30	10	-	4
NUTR1007-1	(pas organisé en 2021-2022) <i>Nutrivigilance</i>	Q2	15	5	-	2

#### Subject: Health promotion

PSYC1054-1	<i>Psychology and Health</i> - AnneMarie ETIENNE	Q1	30	-	-	2
PEDA4060-1	(pas organisé en 2021-2022) <i>Teaching and communication in health</i> - Benoît PÉTRÉ - [15h AUTR]	Q1	15	-	[+]	3
SANT0013-1	<i>Strategies of fight against social inequalities in health and health literacy</i> - Nicolas ANTOINEMOUSSIAUX, Chantal LEVA - [20h AUTR]	Q1	10	-	[+]	3
SANT4015-1	(pas organisé en 2021-2022) <i>Evaluation of health promotion programmes</i> - Michèle GUILLAUME, Denis PORIGNON - [10h AUTR]	Q1	10	-	[+]	2
SANT0012-1	<i>Promotion of health programs engineering</i> - Michèle GUILLAUME, Axelle HOGE, Chantal LEVA - [20h AUTR]	Q2	10	-	[+]	3
PSYC5894-1	<i>Change of attitude and social influence</i> - Benoît DARDENNE	Q2	30	-	-	2

#### Subject: Management of healthcare organisations

GEST7059-1	(pas organisé en 2021-2022) <i>Operational management in healthcare organisations</i>	Q1	20	15	-	4
GEST7060-1	(pas organisé en 2021-2022) <i>Financial aspects (analytical approach)</i>	Q1	25	10	-	4
SANT4019-1	(pas organisé en 2021-2022) <i>Digital transition in the field of healthcare</i>	Q2	25	10	-	4
GEST7061-1	(pas organisé en 2021-2022) <i>Soft skills workshops</i> - [40h AUTR]	TA	5	-	[+]	3

#### Subject: international health

SANT4016-1	(pas organisé en 2021-2022) <i>Framework concepts for actors in international health</i> - [5h AUTR]	Q1	15	-	[+]	2
SANT4017-1	(pas organisé en 2021-2022) <i>Health system governance and funding</i> - [15h AUTR]	Q1	30	-	[+]	4
SANT4018-1	(pas organisé en 2021-2022) <i>Planning, monitoring and evaluating health policies and programmes</i> - [15h AUTR]	Q1	20	-	[+]	3
SANT4020-1	(pas organisé en 2021-2022) <i>Global change and health</i> - [5h AUTR]	Q2	15	-	[+]	2
SANT4023-1	(pas organisé en 2021-2022) <i>Multiculturalism and health</i> - [5h AUTR]	Q2	15	-	[+]	2
SANT4021-1	(pas organisé en 2021-2022) <i>Integrative exercise on a question of international health</i> - [35h AUTR]	Q2	5	-	[+]	2

#### Bloc d'aménagement du programme de l'année

### Additional ECTS Master in public health (120 ECTS)

#### Compulsory courses

**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	Q1	10	10	-	2
LANG1002-1	<i>English applied to Public health</i> - Jérôme GAILLARD, Sébastien SCHOENMAECKERS - [10h Mon. Read.]	Q2	10	10	[+]	2
PHIL0110-1	<i>Epistemology of Health Sciences</i> - Vinciane DESPRET	Q2	15	-	-	2

#### Optional courses

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