

Block view of the study programme

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Block 1

Optional courses

Choose one different module for each block in the two first years (Block 1 and Block 2) and following approval of the internship plan by the Neurosurgery Certification Committee:

Neurology module

NEUR2038-1	University and interuniversity courses including seminars, B1 - Physiopathological aspects (including neuropathological and genetic aspects), diagnoses, prognoses of neurological conditions - COLLÉGIALITÉ - In-depth study of neurological pathologies, diagnostic techniques and specific therapies - COLLÉGIALITÉ - Seminars - COLLÉGIALITÉ - [50h SEM]	TA	30	-	-		10
			15	-	-		
			-	-	[+]		
NEUR2115-1	Supervised exercises in Neurology, B1 - Supervised exercises including in neurophysiology - COLLÉGIALITÉ - Bedside learning - COLLÉGIALITÉ	TA	-	90	-		23
			-	150	-		
REAN0753-1	ALS: managing adult cardiac arrests, before, during, after	TA	-	16	-		1
SIMU0115-1	Procedural workshops and applied simulation in Neurology, Block 1	TA	-	8	-		1

Compulsory Training

MSTG2003-1	Training in clinical practice including on-duty in Neurology, B1 - COLLÉGIALITÉ - [11half-d Internship]	TA	-	-	[+]		25
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Surgery module

CHIR2100-1	Interuniversity theory courses including seminars, B1 - Interuniversity training - COLLÉGIALITÉ - Postgraduate seminars from the Royal Belgian Society of Surgery - COLLÉGIALITÉ - [20h SEM] - Weekly seminars organised by the different internship departments - COLLÉGIALITÉ - [40h SEM]	TA	45	-	-	[+]	10
			-	-	[+]		
			-	-	[+]		
CHIR2045-1	Drafting and presentation of scientific work, Block 1 - COLLÉGIALITÉ	TA	-	-	-		5
CHIR2146-1	Supervised exercises in surgery, B1 - Introduction to operating techniques in operating rooms - COLLÉGIALITÉ - Introduction to new techniques (videoscapy, pre-operative ultrasound, microsurgical techniques, surgery) - COLLÉGIALITÉ - Bedside learning - COLLÉGIALITÉ	TA	-	150	-		15
			-	150	-		
			-	50	-		
SIMU0111-1	Procedural workshops and applied simulation in Surgery, Block 1	TA	-	48	-		5

Compulsory Training

MSTG0023-1	Training in clinical practice, including on-duty in surgery and accident and emergency, B1 - COLLÉGIALITÉ - [11half-d Internship]	TA	-	-	[+]		25
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Block 2

Optional courses

Choose one module that has not been taken in block 1:

Neurology module

NEUR2038-1	University and interuniversity courses including seminars, B1 - Physiopathological aspects (including neuropathological and genetic aspects), diagnoses, prognoses of neurological conditions - COLLÉGIALITÉ - In-depth study of neurological pathologies, diagnostic techniques and specific therapies - COLLÉGIALITÉ - Seminars - COLLÉGIALITÉ - [50h SEM]	TA	30	-	-		10
			15	-	-		
			-	-	[+]		
NEUR2115-1	Supervised exercises in Neurology, B1	TA					23

	- Supervised exercises including in neurophysiology - COLLÉGIALITÉ	-	90	-	
	- Bedside learning - COLLÉGIALITÉ	-	150	-	
REAN0753-1	ALS: managing adult cardiac arrests, before, during, after	TA	-	16	- 1
SIMU0115-1	Procedural workshops and applied simulation in Neurology, Block 1	TA	-	8	- 1

Compulsory Training

MSTG2003-1	Training in clinical practice including on-duty in Neurology, B1 - COLLÉGIALITÉ - [11half-d Internship]	TA	-	-	[+] 25
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Surgery module

CHIR2100-1	Interuniversity theory courses including seminars, B1	TA			10
	- Interuniversity training - COLLÉGIALITÉ		45	-	-
	- Postgraduate seminars from the Royal Belgian Society of Surgery - COLLÉGIALITÉ - [20h SEM]		-	-	[+]
	- Weekly seminars organised by the different internship departments - COLLÉGIALITÉ - [40h SEM]		-	-	[+]
CHIR2045-1	Drafting and presentation of scientific work, Block 1 - COLLÉGIALITÉ	TA	-	-	- 5
CHIR2146-1	Supervised exercises in surgery, B1	TA			15
	- Introduction to operating techniques in operating rooms - COLLÉGIALITÉ		-	150	-
	- Introduction to new techniques (videoscapy, pre-operative ultrasound, microsurgical techniques, surgery) - COLLÉGIALITÉ		-	150	-
	- Bedside learning - COLLÉGIALITÉ		-	50	-
SIMU0111-1	Procedural workshops and applied simulation in Surgery, Block 1	TA	-	48	- 5

Compulsory Training

MSTG0023-1	Training in clinical practice, including on-duty in surgery and accident and emergency, B1 - COLLÉGIALITÉ - [11half-d Internship]	TA	-	-	[+] 25
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Block 3

Compulsory courses

NEUR2108-1	Theory courses, B3	TA			5
	- Neuro-anatomy and normal and pathological physiology - COLLÉGIALITÉ		4	-	-
	- Neuro-imaging - COLLÉGIALITÉ		4	-	-
	- Cranial traumatology - COLLÉGIALITÉ		4	-	-
	- Spinal traumatology - COLLÉGIALITÉ		4	-	-
	- Infection of the central nervous system - COLLÉGIALITÉ		4	-	-
	- Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ		4	-	-
	- Neuro-oncology - COLLÉGIALITÉ		4	-	-
	- Vascular pathology - COLLÉGIALITÉ		4	-	-
	- Spinal and medullary pathologies - COLLÉGIALITÉ		4	-	-
	- Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ		4	-	-
	- Pathology of the peripheral nervous system - COLLÉGIALITÉ		4	-	-
NEUR0115-1	Supervised exercises in Neurosurgery, B3	TA			20
	- Learning in the operating room - COLLÉGIALITÉ - [160h PBL]		-	-	[+]
	- Exercises at the patient's bedside - COLLÉGIALITÉ		-	80	-
NEUR2114-1	Neurosurgery seminars, B3	TA			5
	- Interuniversity neurosurgery seminars - COLLÉGIALITÉ - [15h SEM]		-	-	[+]
	- Continued university training sessions in neurosurgery - COLLÉGIALITÉ - [15h SEM]		-	-	[+]
	- Sessions by the Belgian Society for Neurosurgery - COLLÉGIALITÉ - [15h SEM]		-	-	[+]
MSTG2030-6	Training in clinical practice including on-duty in neurosurgery, B3 - [11half-d Internship]	TA	-	-	[+] 25
NEUR0009-3	Drafting and presentation of scientific publications, B3 - COLLÉGIALITÉ	TA	-	-	- 5

Study programmes 2024-2025

Faculty of Medicine

Advanced Master in Neurosurgery

Block 4

Compulsory courses

NEUR2408-1	<i>Theory courses, B4</i>	TA			5
	- <i>Neuroanatomy and normal and pathologic physiology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Neuroimaging</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Cranial traumatology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Spinal traumatology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Infection of the central nervous system</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain)</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Neuro-oncology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Vascular pathology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Spinal and medullary pathology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Developmental abnormalities and hydrocephaly</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Pathologies of the peripheral nervous system</i> - COLLÉGIALITÉ	4	-	-	
NEUR2414-1	<i>Neurosurgery seminars, B4</i>	TA			5
	- <i>Interuniversity neurosurgery seminars</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]	
	- <i>Continued university training sessions in neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]	
	- <i>Sessions by the Belgian Society for Neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]	
NEUR0415-1	<i>Supervised exercises in Neurosurgery, B4</i>	TA			20
	- <i>Learning in the operating room</i> - COLLÉGIALITÉ	-	160	-	
	- <i>Exercises at the patient's bedside</i> - COLLÉGIALITÉ	-	80	-	
NEUR0009-1	<i>Drafting and presentation of scientific publications, B4</i> - COLLÉGIALITÉ	TA	-	-	5

Compulsory Training

MSTG2030-5	<i>Training in clinical practice including on-duty in neurosurgery, B4</i> - COLLÉGIALITÉ - [11half-d Internship]	TA	-	-	[+] 25
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Block 5

Compulsory courses

NEUR2508-1	<i>Theory courses, B5</i>	TA			5
	- <i>Neuroanatomy and normal and pathologic physiology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Neuroimaging</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Cranial traumatology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Spinal traumatology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Infection of the central nervous system</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain)</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Neuro-oncology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Vascular pathology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Spinal and medullary pathology</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Developmental abnormalities and hydrocephaly</i> - COLLÉGIALITÉ	4	-	-	
	- <i>Pathologies of the peripheral nervous system</i> - COLLÉGIALITÉ	4	-	-	
NEUR2514-1	<i>Neurosurgery seminars, B5</i>	TA			5
	- <i>Interuniversity neurosurgery seminars</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]	
	- <i>Continued university training sessions in neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]	
	- <i>Sessions by the Belgian Society for Neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]	
NEUR0515-1	<i>Supervised exercises in Neurosurgery, B5</i>	TA			20
	- <i>Learning in the operating room</i> - COLLÉGIALITÉ	-	160	-	
	- <i>Exercises at the patient's bedside</i> - COLLÉGIALITÉ	-	80	-	
NEUR0009-2	<i>Drafting and presentation of scientific publications, B5</i> - COLLÉGIALITÉ	TA	-	-	5

Compulsory Training

MSTG2030-7	<i>Training in clinical practice including on-duty in neurosurgery, B5 - COLLÉGIALITÉ - [11half-d Internship]</i>	TA	-	-	[+]	25
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Block 6

Compulsory courses

NEUR2608-1	<i>Theory courses, B6</i>	TA				5
	- <i>Neuroanatomy and normal and pathologic physiology - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Neuroimaging - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Cranial traumatology - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Spinal traumatology - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Infection of the central nervous system - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Neuro-oncology - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Vascular pathology - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Spinal and medullary pathology - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ</i>	4	-	-		
	- <i>Pathologies of the peripheral nervous system - COLLÉGIALITÉ</i>	4	-	-		
NEUR2614-1	<i>Seminar in neurosurgery, B6</i>	TA				5
	- <i>Interuniversity seminars in neurosurgery - COLLÉGIALITÉ - [15h SEM]</i>	-	-	-	[+]	
	- <i>University continuing education sessions in neurosurgery - COLLÉGIALITÉ - [15h SEM]</i>	-	-	-	[+]	
	- <i>Sessions by the Belgian Society for Neurosurgery - COLLÉGIALITÉ - [15h SEM]</i>	-	-	-	[+]	
NEUR0615-1	<i>Supervised exercises in Neurosurgery, B6</i>	TA				10
	- <i>Learning in the operating room - COLLÉGIALITÉ</i>	-	120	-		
	- <i>Exercises at the patient's bedside - COLLÉGIALITÉ</i>	-	40	-		
MTFE2034-1	<i>Final piece of work presented as part of certification - COLLÉGIALITÉ</i>	TA	-	-	-	15
MEDE3001-1	<i>Cross-cutting courses: Patient communication, quality of care, factual medicine, electronic data management and clinical leadership - Vincent BONHOMME, COLLÉGIALITÉ - [16h SEM]</i>	TA	-	-	[+]	5

Compulsory Training

MSTG2030-2	<i>Training in clinical practice including on-duty in neurosurgery, B6 - COLLÉGIALITÉ - [11half-d Internship]</i>	TA	-	-	[+]	20
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