

Block view of the study programme

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Block 1

Course to be intended in order to obtain de Master's degree in computer science and engineering.

Core curriculum compulsory courses

INFO0016-1	<i>Introduction to the theory of computation</i> (english language) - Quentin LOUVEAUX	Q1	26	26	-	5
ELEN0062-1	<i>Introduction to machine learning</i> (english language) - Pierre GEURTS, Louis WEHENKEL - [40h Proj.]	Q1	30	5	[+]	5
INFO0940-1	<i>Operating systems</i> (english language) - Laurent MATHY - [30h Proj.]	Q2	30	6	[+]	5
PROJ0010-1	<i>Software project engineering and management</i> (english language) - Benoît DONNET, Bernard HAUZEUR, Guy LEDUC, Laurent MATHY - [280h Proj.]	TA	20	-	[+]	10
PROJ0019-1	<i>End of studies project</i> (english language) - Laurent MATHY - [300h Proj.]	TA	-	-	[+]	10
INFO0012-2	<i>Computation structures</i> (english language) - Pascal FONTAINE, Laurent MATHY - [40h Proj.]	Q1	26	26	[+]	5

The following three courses are in addition to the above-mentioned programme. These courses may be followed as part of the Bachelor or Masters in Business Engineering programme, or be added to the third year of the Masters programme.

MATH0006-3	<i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX	Q1	20	20	-	5
MECA0003-2	<i>Rational Mechanics</i> - Eric DELHEZ	Q1	20	30	-	5
SYST0002-2	<i>Introduction to signals and systems</i> - Guillaume DRION, Alessio FRANCI - [15h Proj.]	Q2	26	26	[+]	5

Focus compulsory courses

INFO8010-1	<i>Deep learning</i> (english language) - Gilles LOUPPE - [60h Proj.]	Q2	30	-	[+]	5
SYST0022-1	<i>Linear Systems Design</i> (english language) - Guillaume DRION, Pierre SACRÉ - [15h Proj.]	Q2	26	26	[+]	5

Focus optional courses

Choose courses totalling 20 credits out of the following :

ELEN0016-2	<i>Computer vision</i> (english language) - Anthony CIOPPA, Adrien DELIÈGE, Marc VAN DROOGENBROECK - Suppl : Thomas HOYOUX - [50h Proj.]	Q1	30	10	[+]	5
INFO0948-2	<i>Introduction to intelligent robotics</i> (english language) - Pierre SACRÉ - [80h Proj.]	Q2	30	4	[+]	5
INFO2049-1	<i>Web and Text Analytics</i> (english language) - Ashwin ITTOO	Q1	30	-	-	5
GBIO0002-1	<i>Genetics and bioinformatics</i> (english language) - Franck DEQUIEDT, Kristel VAN STEEN - [15h Proj.]	Q1	30	15	[+]	5
DROI1357-1	<i>European law, (big) data and artificial intelligence applications seminar</i> (english language) - Jérôme DE COOMAN, Ljupcho GROZDANOVSKI	Q1	24	-	-	5
INFO8003-1	<i>Reinforcement learning</i> (english language) - Damien ERNST - [45h Proj.]	Q2	25	10	[+]	5
INFO8004-1	<i>Advanced Machine learning</i> (english language) - Pierre GEURTS, Gilles LOUPPE, Louis WEHENKEL - [20h Proj.]	Q2	25	-	[+]	5
INFO9014-1	<i>Knowledge representation and reasoning</i> (english language) - Christophe DEBRUYNE - [45h Proj.]	Q2	24	20	[+]	5
INFO8006-1	<i>Introduction to artificial intelligence</i> (english language) - Gilles LOUPPE - [45h Proj.]	Q1	25	20	[+]	5