

Block view of the study programme

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Block 1

Compulsory courses

SMEM0011-1	<i>Final thesis</i> - COLLÉGIALITÉ	TA	-	-	-	16
MATH0483-2	<i>History of mathematics</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	Q2	20	-	[+]	4

Optional courses

In agreement with the Jury, choose courses not already attended for a total of 40 ECTS from the 2 lists below :

Mathematics

[...] maximum 32 credits from :

Courses taught during even years

STAT0725-2	<i>Bayesian statistics</i> - Philippe LAMBERT - [20h Mon. WS] (Even years)	Q2	30	10	[+]	8
STAT0723-2	<i>Linear models</i> - Catherine TIMMERMANS - [20h Mon. WS] (Even years)	Q2	30	10	[+]	8
INFO0213-2	<i>Automata and formal languages</i> - Julien LEROY (Even years)	Q1	30	20	-	8
MATH0075-1	<i>Discrete mathematics</i> - Emilie CHARLIER, Michel RIGO (Even years)	Q2	30	20	-	8
MATH0076-1	<i>Discrete mathematics project</i> - Emilie CHARLIER, Julien LEROY, Michel RIGO (Even years)	TA	-	-	-	4
Corequisite : INFO0213-2 - Automates et langages formels MATH0075-1 - Mathématiques discrètes						
MATH0465-1	<i>Algebraic Topology</i> - JeanPierre SCHNEIDERS - [20h Mon. WS] (Even years)	Q1	30	10	[+]	8
MATH0463-1	<i>Functional Analysis I</i> - JeanPierre SCHNEIDERS - [20h Mon. WS] (Even years)	Q2	30	10	[+]	8
MATH0250-1	<i>Galois theory</i> - Emilie CHARLIER (Even years)	Q2	20	20	-	4

Courses taught during odd years

STAT0201-3	<i>Multivariate statistics</i> - Gentiane HAESBROECK - [20h Mon. WS] (Odd years)	Q1	30	10	[+]	8
STAT0078-1	<i>Practice of statistical consultancy</i> - Catherine TIMMERMANS - [20h Mon. WS] (Odd years)	Q1	20	-	[+]	4
Corequisite : STAT0201-3 - Statistique multivariée						
INFO0212-2	<i>Algorithmics and computability</i> - Emilie CHARLIER (Odd years)	Q1	30	20	-	8
MATH0470-1	<i>Combinatorics on words</i> (english language) (Odd years)	Q2	30	20	-	8
MATH0077-1	<i>Project on combinations</i> (Odd years)	TA	-	-	-	4
Corequisite : INFO0212-2 - Algorithmique et calculabilité MATH0470-1 - Combinatorics on words						
MATH0489-1	<i>Lie algebra</i> - Pierre MATHONET - [20h Mon. WS] (Odd years)	Q2	30	10	[+]	8
MATH0220-2	<i>Functions of complex variables</i> - JeanPierre SCHNEIDERS - [20h Mon. WS] (Odd years)	Q1	30	10	[+]	8
Corequisite : MATH0074-1 - Théorie des distributions						
MATH0209-3	<i>Measure Theory</i> - Samuel NICOLAY - [20h Mon. WS] (Odd years)	Q1	30	10	[+]	8

Courses organized each year

MATH0464-1	<i>Differential geometry II</i> - Pierre LECOMTE - [20h Mon. WS]	Q1	30	10	[+]	8
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MATH0074-1	<i>Theory of distributions</i> - Françoise BASTIN	Q2	25	15	-	4
MATH0017-3	<i>Mathematical Logic and Set Theory</i> - Georges HANSOUL, Julien LEROY - [20h Mon. WS]	Q1	30	10	[+]	8
STAT0079-1	<i>SAS certification</i> (english language) - Michael SCHYNS - [25h Mon. WS]	Q2	15	-	[+]	4
MATH2022-2	<i>Large sample analysis : theory and practice, General course</i> (english language) - N..., Yvik SWAN - [10h Proj.]	Q2	24	12	[+]	8

Other disciplines

[...] maximum 8 credits from :

INFO0902-1	<i>Data structures and algorithms</i> - Pierre GEURTS - [40h Proj.]	Q2	26	20	[+]	8
INFO0054-1	<i>Functional programming</i> - Pascal GRIBOMONT - [15h Proj.]	Q2	28	24	[+]	8
ASTR0204-2	<i>Astrophysics and geophysics</i> - MarcAntoine DUPRET	Q1	30	30	-	8
PHYS3033-1	<i>Quantum physics I</i> - Thierry BASTIN	Q1	35	25	-	8
PHYS0212-2	<i>Statistical physics</i> - Nicolas VANDEWALLE	Q2	30	30	-	8
SPAT0012-1	<i>General relativity, Part 1: Introduction</i> - Yves DE ROP	Q1	20	-	-	2
SPAT0012-2	<i>General relativity, Part 2: Mathematics methods</i> - Yves DE ROP Corequisite : SPAT0012-1 - Relativité générale	Q1	20	-	-	3
SPAT0012-3	<i>General relativity, Part 3: supplement</i> - Yves DE ROP Corequisite : SPAT0012-2 - Relativité générale	Q2	20	-	-	3
SPAT0044-1	<i>Stellar structure and evolution I</i> (english language) - MarcAntoine DUPRET	Q1	20	20	-	4
SPAT0045-1	<i>Stellar structure and evolution II</i> (english language) - MarcAntoine DUPRET	Q2	20	20	-	4
MECA0203-3	<i>Continuum Mechanics</i> - Pierre DAUBY - [20h Mon. WS]	Q1	30	10	[+]	8
LANG0082-1	<i>English 3</i> (english language) - Clara BRERETON, Véronique DOPPAGNE, Ellen HARRY, ISLV	Q1	45	-	-	4

Bloc d'aménagement du programme de l'année

Additional ECTS Master in mathematics (60 ECTS)

The update course, worth a maximum of 60 credits, will be determined based on students' prior training.