

Study program : SINF22MS

To be returned to the INGI secretary before September 30, 2009

FAMILY NAME (capitals):

FIRST NAME (capitals):

Recent picture

Study year :

Place and date of birth :

NOMA :

Nationality :

Address in LLN :

Family address :

Email :

@student.uclouvain.be

Phone number :

Phone number in LLN

GSM :

Master in computer science [120]

	Semester	ECTS	SINF21MS		SINF22MS		Credit (mark ≥ 12)
			Q1	Q2	Q1	Q2	
Compulsory courses							
Core courses							
SINF2990	Master's thesis	Q1+Q2	28	ECTS			
<i>3 ECTS among</i>							
INGI2349	Network and communication seminar	Q2	3	ECTS			
INGI2359	Software engineering seminar	Q2	3	ECTS			
INGI2369	Artificial intelligence seminar	Q2	3	ECTS			
INGI2379	Machine learning seminar	Q2	3	ECTS			
<i>2 ECTS among</i>							
TECO2100	Questions de sciences religieuses : lectures bibliques	Q1 S7	2	ECTS			
TECO2200	Questions de sciences religieuses : christianisme et questions de sens	Q2 S1	2	ECTS			
TECO2300	Questions de sciences religieuses : questions d'éthique	Q1 S2	2	ECTS			
INGI2132	Langages et traducteurs	Q2	5	ECTS			
INGI2141	Computer networks: information transfer	Q1	5	ECTS			
INGI2251	Software engineering: development methods	Q1	5	ECTS			
INGI2261	Artificial intelligence: representation and reasoning	Q1	5	ECTS			
SINF2255	Software engineering project	Q1	5	ECTS			
LSMG2004	Gestion des ressources humaines	Q1	5	ECTS			
At least one option							
Option "Artificial Intelligence"							
INGI2262	Machine learning	Q1	5	ECTS			
INGI2365	Constraint programming	Q2	5	ECTS			
INGI2263	Natural language processing	Q2	5	ECTS			
INGI2264	Automated reasoning	Q1	5	ECTS			
SINF2275	Data mining and decision making	Q2	5	ECTS			
ELEC2885	Image processing and computer vision	Q1	5	ECTS			
Option "Software Engineering and Programming Systems"							
<i>30 ECTS among</i>							
INGI2252	Software engineering: measures and maintenance.	Q2	5	ECTS			
INGI2339	Abstract interpretation	Q1	5	ECTS			
INGI2355	Software requirements and architecture	Q2	5	ECTS			
SINF2224	Programming methods	Q2	5	ECTS			
SINF2335	Programming paradigms: theory, practice and applications	Q1	5	ECTS			
SINF2345	Languages and algorithms for distributed applications	Q2	5	ECTS			
SINF2172	Database design	Q2	5	ECTS			
Option "Networking and Security"							
<i>30 ECTS among</i>							
INGI2142	Computer networks : configuration and mangement	Q2	5	ECTS			
INGI2346	Distributed application design	Q1	5	ECTS			
INGI2347	Computer system security	Q2	5	ECTS			
INGI2143	Concurrent systems: models and analysis	Q1	5	ECTS			
INGI2348	Information theory and coding	Q2	5	ECTS			
INGI2144	Secured systems engineering	Q1	5	ECTS			
SINF2345	Languages and algorithms for distributed applications	Q2	5	ECTS			
Option "Computing and applied mathematics"							
Only for students with a strong background in mathematics							
<i>Between 26 and 30 ECTS among</i>							
<i>Compulsory courses</i>							
INMA2710	Numerical algorithms	Q2	5	ECTS			
INMA2111	Discrete mathematics II: algorithms and complexity	Q2	5	ECTS			
INMA1702	Modèles et méthodes d'optimisation I	Q2	5	ECTS			
INGI2365	Constraint programming	Q2	5	ECTS			
<i>Elective courses</i>							
INMA1170	Analyse numérique	Q1	5	ECTS			
INMA1691	Mathématiques discrètes I : Théorie et algorithmique des graphes	Q1	5	ECTS			
INMA2450	Combinatorial optimization	Q1	5	ECTS			
INMA2470	Modélisation stochastique	Q1	5	ECTS			
INMA2471	Modèles et méthodes d'optimisation II	Q1	5	ECTS			
MAT2450	Cryptography	Q1	5	ECTS			
INGI2262	Machine learning	Q1	5	ECTS			
MECA2300	Advanced numerical methods	Q2	5	ECTS			
MECA2170	Numerical geometry in CAD	Q1	5	ECTS			
INGE1222	Analyse statistique multivariée	Q2	4	ECTS			
STAT2020	Calcul statistique sur ordinateur	Q1	6	ECTS			
SINF2275	Data mining and decision making	Q2	5	ECTS			
SINF2224	Programming methods	Q2	5	ECTS			
INGI2339	Abstract interpretation	Q1	5	ECTS			
INGI2348	Information theory and coding	Q2	5	ECTS			
INGI2143	Concurrent systems: models and analysis	Q1	5	ECTS			

Courses related to "Artificial Intelligence"									
INGI2368	Computational biology	Q1	5 ECTS						
GBIO2010	Bioinformatique	Q2	5 ECTS						
INMA1702	Modèles et méthodes d'optimisation	Q2	5 ECTS						
INMA1691	Mathématiques discrètes I : Théorie et algorithmique des graphes	Q1	5 ECTS						
INMA2111	Discrete mathematics II : Algorithms and complexity	Q2	5 ECTS						
STAT2110	Analyse des données	Q1	5 ECTS						
ELEC2870	Artificial neural networks	Q1	5 ECTS						
INGE1222	Analyse statistique multivariée	Q2	4 ECTS						
STAT2020	Calcul statistique sur ordinateur	Q1	6 ECTS						
STAT2320	Plans expérimentaux	Q2	5 ECTS						
INMA2450	Combinatorial optimization	Q1	5 ECTS						
Courses related to "Software engineering and programming systems"									
SINF2356	Human-computer interaction	Q2	5 ECTS						
SINF2382	Computer-Supported Collaborative Work	Q1	5 ECTS						
INGI2365	Constraint programming	Q2	5 ECTS						
INGI2346	Distributed application design	Q1	5 ECTS						
INGI2144	Secure systems engineering	Q1	5 ECTS						
INGI2143	Concurrent systems: models and analysis	Q1	5 ECTS						
INGI2264	Automated reasoning	Q1	5 ECTS						
INMA2111	Discrete mathematics II : Algorithms and complexity	Q2	5 ECTS						
Courses related to "Networking and Security"									
INGI2315	Computer systems: real-time aspects	Q2	5 ECTS						
MAT2450	Cryptography	Q2	5 ECTS						
ELEC2920A	Communication networks	Q1	2 ECTS						
INMA2470	Modélisation stochastique	Q1	5 ECTS						
Short term exchange									
<i>Students may include in their curriculum any BEST or ATHENS subject to approval by the Diploma committee. These courses are worth 2 credits</i>									
			2 ECTS						

Approval

Family name:

First name:

Study year:

Date:

Student' signature:

Diploma committee