

**Stream Courses for Academic Year 2009-2010**  
**Bachelor in Applied Computer Science**  
**Master in Computer Science OLD (Law 509)**

Stream Courses	Level	Streams				Credit Points
		WT	SE	IKM	DB	
<b>1<sup>st</sup> Semester</b>						
Advanced Internet Technologies	I	x	x	x	x	8
Computational Linguistics	I	x		x		4
Digital Libraries	I		x	x		4
Formal Methods	I			x		4
Infrastructures for Open Service Oriented Architectures	I	x	x			4
Internet and Mobile Services	A	x	x	x	x	4
Introduction to Artificial Intelligence	I	x		x	x	4
Introduction to Linguistics	I			x		4
Moving Object Databases	A				x	4
Open Source Software Engineering	I		x			4
Open Tools and Technologies for IT Management	I	x	x			4
Requirements and Design of Software Systems	A		x			8
Semantic Web Technologies	I	x		x		8
Seminars in Databases	S			x	x	4
Similarity Search	I	x			x	4
Software Metrics (Bachelor only)	I		x			4
Theories and Techniques of Optimization	I		x			8
XML Data Management	I	x		x	x	4
<b>2<sup>nd</sup> Semester</b>						
Advanced Software Engineering Methodology	I		x			4
Advanced Web Systems	I	x	x		x	4
Computational Logic	I			x		8
Conceptual Modelling for Information Systems	I	x		x	x	4
Database Management and Tuning	I	x			x	4
Distributed Databases	I	x			x	4
Functional and Logic Programming Languages	I	x	x	x	x	8
Information Search and Retrieval	I	x		x	x	8
Knowledge Representation and Ontologies	I			x		8
Machine Learning: Algorithms and Applications	I	x		x	x	4
Non-classical Logics	A			x		4
Software Engineering II	I	x	x			4
Software Evolution	I		x		x	4
Software Testing	A		x			4
Temporal and Spatial Databases	A	x		x	x	4
Text Processing	I	x		x		4