

## ARTIFICIAL INTELLIGENCE TRACK

ICT MANAGEMENT			
ssd	Course	sem	CFU
<b>YEAR 1</b>			
MAT 09	FOUNDATIONS OF OPERATION RESEARCH	1	5
ING-INF/05	DATA BASES 2	1	5
ING-INF/05	FORMAL LANGUAGES AND COMPILERS	1	5
ING-INF/05	SOFTWARE ENGINEERING 2	1	5
ING-INF/05	ARTIFICIAL INTELLIGENCE	1	5
ING-INF/05	SOFT COMPUTING	1	5
ING-INF/05	ADVANCED COMPUTER ARCHITECTURES	2	5
ING-INF/05	COMPUTER INFRASTRUCURES AND COMPUTER SECURITY	2	10
	A selection among: MACHINE LEARNING, ALGEBRA AND MATHEMATICAL LOGIC, ADVANCED ALGORITHMS AND PARALLEL PROGRAMMING, DATA ACQUISITION SYSTEMS, GAME THEORY; or MODEL IDENTIFICATION AND DATA ANALYSIS	1 or 2	10
ING-INF/05	TECHNOLOGIES FOR INFORMATION SYSTEMS	2	5
<b>YEAR 2</b>			
	COMPLEX SYSTEMS AND NETWORKS, or SIMULATION TECHNIQUES ADN TOOLS or SYSTEMS THEORY (NONLINEAR DYNAMICS), or MEASUREMENTS, or GAME THEORY	2	5
	COMPLEX SYSTEMS AND NETWORKS, or SIMULATION TECHNIQUES ADN TOOLS or SYSTEMS THEORY (NONLINEAR DYNAMICS), or MEASUREMENTS	1 or 2	5
ING-INF/05	BUSINESS INFORMATION SYSTEMS	2	10
ING-INF/05	KNOWLEDGE ENGINEERING or, if already passed, a course in the "AI POOL" or "RI POOL"	1 or 2	5
ING-INF/05	A selection in "AI POOL", or in "RI POOL"	1 or 2	5
ING-INF/05	PHILOSOPHICAL ISSUES OF COMPUTER SCIENCE or a selection in "AI POOL", or in "RI POOL"	1 or 2	5
ING-INF/05	A selection in TAB DOT (AI related courses) or in "AI POOL", or in "RI POOL"	1 or 2	5

SOFTWARE METHODOLOGIES			
ssd	Course	Sem	CFU
<b>YEAR 1</b>			
MAT 09	FOUNDATIONS OF OPERATION RESEARCH	1	5
ING-INF/05	DATA BASES 2	1	5
ING-INF/05	FORMAL LANGUAGES AND COMPILERS	1	5
ING-INF/05	SOFTWARE ENGINEERING 2	1	5
ING-INF/05	ARTIFICIAL INTELLIGENCE	1	5
ING-INF/05	SOFT COMPUTING	1	5
ING-INF/05	ADVANCED COMPUTER ARCHITECTURES	2	5
ING-INF/05	COMPUTER INFRASTRUCURES AND COMPUTER SECURITY	2	10
	A selection among: MACHINE LEARNING, ALGEBRA AND MATHEMATICAL LOGIC, ADVANCED ALGORITHMS AND PARALLEL PROGRAMMING, DATA ACQUISITION SYSTEMS, GAME THEORY; or MODEL IDENTIFICATION AND DATA ANALYSIS	1 or 2	10
ING-INF/05	KNOWLEDGE ENGINEERING or, if already passed, MACHINE LEARNING	1 or 2	5
<b>YEAR 2</b>			
	COMPLEX SYSTEMS AND NETWORKS, or SIMULATION TECHNIQUES ADN TOOLS or SYSTEMS THEORY (NONLINEAR DYNAMICS), or MEASUREMENTS, or GAME THEORY	2	5
	COMPLEX SYSTEMS AND NETWORKS, or SIMULATION TECHNIQUES ADN TOOLS or SYSTEMS THEORY (NONLINEAR DYNAMICS), or MEASUREMENTS	1 or 2	5
ING-INF/05	PRINCIPLES OF PROGRAMMING LANGUAGES	1	5
ING-INF/05	A selection in "AI POOL", or "RI POOL", or HYPERMEDIA APPLICATIONS (WEB AND MULTIMEDIA), ADVANCED USER INTERFACES or COMPUTER GRAPHICS	1 or 2	10
ING-INF/05	A selection in "AI POOL", or in "RI POOL"	1 or 2	5
ING-INF/05	PHILOSOPHICAL ISSUES OF COMPUTER SCIENCE or a selection in "AI POOL", or in "RIPOOL"	1 or 2	5
ING-INF/05	A selection in TAB DOT (AI related courses) or in "AI POOL", or in "RI POOL"	1 or 2	5

COMPUTER ARCHITECTURES			
ssd	Course	sem	CFU
<b>YEAR 1</b>			
MAT 09	FOUNDATIONS OF OPERATION RESEARCH	1	5
ING-INF/05	DATA BASES 2	1	5
ING-INF/05	FORMAL LANGUAGES AND COMPILERS	1	5
ING-INF/05	SOFTWARE ENGINEERING 2	1	5
ING-INF/05	ARTIFICIAL INTELLIGENCE	1	5
ING-INF/05	SOFT COMPUTING	1	5
ING-INF/05	ADVANCED COMPUTER ARCHITECTURES	2	5
ING-INF/05	COMPUTER INFRASTRUCURES AND COMPUTER SECURITY	2	10
	A selection among: MACHINE LEARNING, ALGEBRA AND MATHEMATICAL LOGIC, ADVANCED ALGORITHMS AND PARALLEL PROGRAMMING, DATA ACQUISITION SYSTEMS, GAME THEORY; or MODEL IDENTIFICATION AND DATA ANALYSIS	1 or 2	10
ING-INF/05	EMBEDDED SYSTEMS	1	10
<b>YEAR 2</b>			
	COMPLEX SYSTEMS AND NETWORKS, or SIMULATION TECHNIQUES ADN TOOLS or SYSTEMS THEORY (NONLINEAR DYNAMICS), or MEASUREMENTS, or GAME THEORY	2	5
	COMPLEX SYSTEMS AND NETWORKS, or SIMULATION TECHNIQUES ADN TOOLS or SYSTEMS THEORY (NONLINEAR DYNAMICS), or MEASUREMENTS	1 or 2	5
ING-INF/05	DIGITAL SYSTEMS DESIGN METHODOLOGIES 1	2	5
ING-INF/05	DIGITAL SYSTEMS DESIGN METHODOLOGIES 2	2	5
ING-INF/05	KNOWLEDGE ENGINEERING or, if already passed, a course in the "AI POOL" or in "RI POOL"	1 or 2	5
ING-INF/05	PHILOSOPHICAL ISSUES OF COMPUTER SCIENCE or a selection in "AI POOL", or in "RI POOL"	1 or 2	10
ING-INF/05	A selection in TAB DOT (AI related courses) or in "AI POOL", or in "RI POOL"	1 or 2	5

### AI POOL

AUTONOMOUS AGENTS AND MULTIAGENT SYSTEMS
DATA MINING AND TEXT MINING
ECONOMICS AND COMPUTATION
MACHINE LEARNING
VIDEOGAME DESIGN AND PROGRAMMING

### RI POOL

IMAGE ANALYSIS
ROBOTICS
ROBOTICS AND DESIGN