

Subject List for Intelligent Information Systems Course (for Students enrolled in 2026 and beyond)

	Subject Title	Credits		Lecture Hours								Notes		
		M	O	Year 1		Year 2		Year 3		Year 4			Total	
				S	A	S	A	S	A	S	A			
Specialized Subjects	Introduction to Computer Programming I	2			2								2	
	Exercises in Computer Programming I	1			2								2	
	Technical Writing	2			2								2	
	Mathematics for Information Science	2			2								2	
	Linear Algebra IIa	2			2								2	
	Computer Architecture	2			2								2	
	Introduction to Computer Programming II	2				2							2	
	Exercises in Computer Programming II	1				2							2	
	Experiments in Sensor Programming	2				4							4	
	Data Structure and Algorithm I	2				2							2	
	Database System	2				2							2	
	Applied Mathematics I	2				2							2	
	Experiments in Information Systems	2					4						4	
	Software Engineering	2					2						2	
	Introduction to Computer Programming III	2					2						2	
	Artificial Intelligence	2					2						2	
	Operating System	2					2						2	
	Experiments in Artificial Intelligence	2					4						4	
	Security in Information Society	2							2				2	
	Information Network	2							2				2	
	Experiments in Information Network	2							4				4	
	Parallel and Distributed Processing	2							2				2	
	Object Oriented Programming	2							2				2	
	Multimedia Data Processing	2							2				2	
	Signal Processing	2							2				2	
	Practical Data Science	2							2				2	
	Experiments in Cooperative Software Development	2								4			4	
	Network System and Cloud Computing	2								2			2	
	Preparation for Graduation Study	2								2			2	
	Graduation Study	8									8	8	16	
	Information Theory		2			2							2	
	Numerical Analysis		2				2						2	
	Data Structure and Algorithm II		2				2						2	
	Applied Mathematics II		2				2						2	
	Structured Programming		2						2				2	
	Data Science Colloquium		2						2				2	
	Exercises in Data Science		2						2				2	
	Machine Learning		2							2			2	
	Human Data Analysis		2							2			2	
	English for Engineers		2							2			2	
Game Theory and Optimization Problems		2							2			2		
Automaton and Turing Machine		2							2			2		
Exercises in Computer Graphics		2							2			2		
Individual Training			1			2	2	2	2			2	1 credit/semester, up to a max of 4 credits	
Internship in Mathematics and Computing S			1					2	2	2	2	2		
Internship in Mathematics and Computing L			2					4	4	4	4	4		
Introduction to Information Security			2									2	BasicSecCap Program	
PBL on Information Security			1									2	BasicSecCap Program	
Advanced PBL on Information Security A			1									2	BasicSecCap Program	
Advanced PBL on Information Security B			1									2	BasicSecCap Program	
Advanced PBL on Information Security C			1									2	BasicSecCap Program	

Advanced Internship on Information Security A	1									2	BasicSecCap Program
Advanced Internship on Information Security B	1									2	BasicSecCap Program
Advanced Internship on Information Security C	1									2	BasicSecCap Program