ATTACHED TABLE 3
"Courses concerning subjects in or related to the teaching profession"
Graduate Department of Computer and Information Systems

Types of teaching certificates		Code	Course Name	Credits	Minimum of the necessary credits
Specialized certificate for teaching in junior high school (Mathematics) Specialized certificate for teaching in high school (Mathematics)	Subjects regarding Mathematics	CSC03F	Applied Statistics	2	At least 24
		CSC01A	Information Security	2	
		CSC09A	Introduction to Projective Geometry	2	
		CSC10A	Introduction to Measure Theory and Lebesgue Integration	2	
		CSA06	Computation Models: Term Rewriting Systems	2	
		CSA07	Topics in Numerical and Applied Computation I	2	
		CSA08	Topics in Numerical and Applied Computation II	2	
		CSA10	Theory of Automata and Languages	2	
		CSA11	Advanced Analysis	2	
		CSA13	Algebraic Systems and Combinatorics	2	
		CSA18	Theory of Stochastic Processes	2	
		SYA07	Modeling of Advanced Devices	2	
		ITC01A	Java 2D/3D Graphics	2	
		ITA04	Finite Element Modeling and Visualization	2	
		ITA06	Image Recognition and Understanding	2	
Specialized certificate for teaching in high school (Information)	Subjects regarding Information	CSC04A	Quantum Information	2	At least 24
		CSA03	Nature-Inspired Design	2	
		CSA05	Formal Specifications of Processing	2	
		CSA15	Computational Physics and Simulation	2	
		CSA16	Computational Superstring Theory	2	
		SYA06	Advanced Devices for Computer and Communication Systems	2	
		CNC01F	Computer Communications and Networking	2	
		CNC02A	Advanced Networking	2	
		CNC04A	Distributed Algorithms for Networks	2	
		CNC06A	Performance Evaluation of Network Systems	2	
		CNA02	Multimedia Networking	2	
		ITC08A	Remote Sensing	2	
		ITC11A	3D Computer Graphics and GPU Programming	2	
		ITA13A	Advanced Topics in Data Science and Cloud Computing（Old：Advanced Topics in Data Science）	2	
		ITA01	Digital Audio Effects	2	
		ITA03	Biomedical Modeling and Visualization	2	
		ITA07	Advanced Signal Processing	2	
		ITA10	Spatial Hearing in Virtual Environment	2	
		SEA01	Parallel Distributed & Internet Computing	2	
		SEA04	Declarative Programming	2	
		PMA01	Cloud Computing	2	