[Requirements for Acquiring a CI Program Certificate]

Students must earn 30 or more credits from the list below.

	Subject name	Minimum number of credits
	History and Future Possibility of the Internet	
	Design and Implementation of System Software	
	Software Development Methodology	
	Multimedia Knowledge Base Design and Implementation	
	Information Security -Theory and Practice	
	Ubiquitous Computing Systems	
	Object-Oriented Analysis	
	Knowledge Discovery Methods	
	Autonomous Decentralized Cooperative Systems	
	Conceptual Framework (CI)	
	Advanced Research (CI)	
	Internet Security Architecture,	
	Topics in Advanced Information Technology Specialist Program 1	
	Topics in Advanced Information Technology Specialist Program 2	
	System Simulation	
	Advanced Parallel Processing	
_	Web Intelligence	
Program Courses,	Topics in Computer Operating Systems	
Research Concept	Advanced Course In Database Systems Design	At least
and Methodology	Operation and Management Of Network Systems A	12 credit
Courses	Design of Physically Grounded Communication System	
	Special Lecture 1 (Operating Systems)	_
	Systems Performance Evaluation	
	Information and Semantics	
	Theory of Computer Software	
	Software Engineering 1	
	Software Engineering 2	
	Software Engineering 3	
	Advanced Course on Natural Language Processing	
	Software Development Engineering	
	Advanced Course on Network Engineering	
	Information Security Management System B	
	Advanced Course on Computer Graphics	
	Open Source Systems	
	ITSP Internship	
	Modern Web Platform Technologies	
	Advanced Natural Language Processing	
	Human Interface	
	Parallel and Distributed Computing Systems	
	Advanced Computer Architecture	
	Human Computer Interaction Design	1
	Future Internet Technology : Architecture and Building Blocks	
	Open Data and Management Organization	
	Environmental Information System Architecture	
	Cybersecurity Case Study	
	Software Security	
	Network Security	
	Cryptography and Data Security	
Project Courses,	< Academic Projects in which the leader is a faculty member	At least
Master Research	of the CI Program. (1) >	8 credits
master Nesearell	< Master Seminar in CI Program >	
	Master Sellinar III CI Flogram /	
Master Thesis	Master Thesis1(1)	2 credits

[Project Courses Related to the Program]

[110)cct codises related to the 110grain]	
Novel Computing: AI and Brain Science	
Creation of Smart City	
Software System	
HCI Remixed	
Internet Technology	
Internet Civilization	
Creating Shared Value in Practice	
Mathematics for AI	