

CODE	COURSE TITLE	Course Category	Semester	Credit Units	Grade	Examination Term	ECTS Ranking
CEID_NY101	Mathematics I	COM	1	5			
CEID_NY109	Discrete Mathematics	COM	1	5			
CEID_NY131	Introduction to Computers & Programming	COM	1	9			
CEID_NY105	Physics	COM	1	4			
CEID_NY163	Digital Design I	COM	1	4			
CEID_NY170	English	COM	1	3			
CEID_NY102	Mathematics II	COM	2	5			
CEID_NY110	Linear Algebra	COM	2	5			
CEID_NY134	Object Oriented Programming	COM	2	7			
CEID_NY106	Electrical Measurements and Instrumentation	COM	2	4			
CEID_NY164	Digital Design II	COM	2	5			
CEID_NY182	Circuit Theory	COM	2	4			
CEID_NY202	Graph Theory and Applications	COM	3	4			
CEID_NY204	Probability and Basic Statistics	COM	3	4			
CEID_NY205	Introduction to Algorithms	COM	3	6			
CEID_NY165	Basic Electronics	COM	3	7			
CEID_NY261	Topics in Computer Architecture	COM	3	6			
	General Education Course (TABLE 2)	<i>ELE</i>	3	3			
CEID_NY233	Data Structures	COM	4	6			
CEID_NY240	Numerical Analysis and Implementation Environments	COM	4	5			
CEID_NY166	Digital Electronics	COM	4	6			
CEID_NY262	Modern Topics in Computer Architecture	COM	4	5			
CEID_NY282	Signals and Systems Theory	COM	4	5			
	General Education Course (TABLE 4)	ELE	4	3			
CEID_NY301	Theory of Computing	COM	5	4			

CEID_NY330	Operating Systems	COM	5	8			
CEID_NY334	Database Systems	COM	5	7			
CEID_NY451	Artificial Intelligence	COM	5	6			
	<i>Elective course</i> (TABLE 1)	ELE	5	5			
CEID_NY302	Computational Complexity	COM	6	4			
CEID_N4408	Parallel Processing	COM	6	6			
CEID_NY132	Programming Language Principles and Compilers	COM	6	6			
CEID_NE390	Technical Writing and Communication for Computer Engineering and Informatics	COM	6	2			
CEID_NY381	Digital Signal Processing	COM	6	6			
CEID_NY387	Computer Networks	COM	6	6			
CEID_NY538	Web Programming & Systems	COM	7	6			
CEID_NY343	Scientific Computing	COM	7	5			
CEID_NY384	Digital Telecommunications	COM	7	6			
CEID_NY361	Microprocessors	COM	7	3			
	<i>Elective course</i> (TABLE 1)	ELE	7	5			
	<i>Elective course</i> (TABLE 1)	ELE	7	5			
CEID_NY232	Software Engineering	COM	8	6			
CEID_NY463	Advanced Microprocessors	COM	8	4			

	<i>Elective course</i> (TABLE 3)	ELE	8	5			
	<i>Elective course</i> (TABLE 3)	ELE	8	5			
	<i>Elective course</i> (TABLE 3)	ELE	8	5			
	<i>Elective course</i> (TABLE 3)	ELE	8	5			
CEID_IIA OR	Internship OR <i>Elective course</i> (TABLE 1)	ELE	9	5			
	<i>Elective course</i> (TABLE 1)	ELE	9	5			
	<i>Elective course</i> (TABLE 1)	ELE	9	5			
	<i>Elective course</i> (TABLE 1)	ELE	9	5			
	<i>Elective course</i> (TABLE 1)	ELE	9	5			
	<i>Elective course</i> (TABLE 1)	ELE	9	5			
CEID_AE	<i>Diploma Thesis</i>	COM	10	30			
TABLE 1	<i>Elective courses</i> WINTER SEMESTER						

CEID_NE4117	Distributed Systems I	ELE		5			
CEID_NE4157	Public Networks and Internetworking	ELE		5			
CEID_NE5057	Algorithms and Combinatorial Optimization	ELE		5			
CEID_NE5017	Probabilistic Techniques	ELE		5			
CEID_NE509	Economic Theory and Algorithms	ELE		5			
CEID_NE5127	Algorithms for Communication Systems	ELE		5			
CEID_NE5237	Decision Theory	ELE		5			
CEID_NE5288	Special Topics in Computational Logic	ELE		5			
CEID_NE4160	Modern Physics	ELE		5			
CEID_NE4338	Multidimensional Data Structures and Computational Geometry	ELE		5			
CEID_NE4547	Computer Systems Performance Analysis	ELE		5			
CEID_NE4357	Applied Information Systems I	ELE		5			
CEID_NE5367	Advanced Information Systems	ELE		5			
CEID_NE5407	Software and Programming for High Performance Computing	ELE		5			
CEID_NE5597	Information Retrieval	ELE		5			
CEID_E9ΔE	Introduction to Business Administration for Scientists and Engineer	ELE		5			

CEID_NE5657	Natural Language Processing	ELE		5			
CEID_NE5577	Software Quality Assurance and Standards	ELE		5			
CEID_NE444	Knowledge Representation on the Web	ELE		5			
CEID_NE320	Information Transmission Systems	ELE		5			
CEID_NE489	Wireless and Mobile Communications	ELE		5			
CEID_NE4617	Advanced Topics in Computer Architecture	ELE		5			
CEID_NE4648	Introduction to VLSI	ELE		5			
CEID_NE574	Optical Communication Networks	ELE		5			
CEID_NE579	Digital Signal Processing Applications	ELE		5			
CEID_NE5678	Special Purpose Systems Design	ELE		5			
CEID_NE588	Embedded Systems	ELE		5			
CEID_NE471	Topics in Computer Vision and Graphics	ELE		5			
CEID_E9OE	Introduction to Economics for Engineers and Scientists	ELE		5			
CEID_NΣM01	Introduction to Robotics	ELE		5			
CEID_NΣM02	Computer and Network Security	ELE		5			
CEID_NΣM06	Electroacoustics	ELE		5			

TABLE 2	<i>General Education Courses</i> WINTER SEMESTER						
CEID_ΓΠ21	Introduction to Ancient Theater	ELE		3			
CEID_ΓΠ26	Introduction to History and Theory of Cinema	ELE		3			
CEID_ΓΠ22	History of art	ELE		3			
CEID_ΓΠ23	Introduction to the Archeology of the Theater	ELE		3			
CEID_ΓΠ68	Aesthetics	ELE		3			
CEID_ΓΠ75	Modern Ethic Philosophy	ELE		3			
CEID_ΓΠ80	Descriptive Analysis of Modern Greek	ELE		3			
CEID_ΓΠ70	Introduction to the Byzantine Literature	ELE		3			
CEID_ΓΠ71	Introduction to Modern Greek Philology	ELE		3			
CEID_ΓΠ72	Ancient Greek History	ELE		3			
CEID_ΓΠ73	Myth and Ritual in Ancient Greece	ELE		3			
CEID_ΓΠ74	History of 19th Century European Literature	ELE		3			
CEID_ΓΠ81	C.P. Cavafy	ELE		3			
CEID_OIK5	Basic Principles of Civil Law	ELE		3			
TABLE 3	Selective courses SPRING SEMESTER						
CEID_NE4017	Mathematical Logic and Applications	ELE		5			

CEID_NE4128	Parallel Algorithms	ELE		5			
CEID_NE4168	Cryptography	ELE		5			
CEID_NE5218	Computational Intelligence	ELE		5			
CEID_NE5038	Semantics and Program Correctness	ELE		5			
CEID_NE5078	Algorithm Engineering	ELE		5			
CEID_NE5168	Broadband Technologies	ELE		5			
CEID_NE5178	Telematics and New Services	ELE		5			
CEID_NE520	Algorithmic Foundations of Sensor Networks	ELE		5			
CEID_NE4348	Database Systems II	ELE		5			
CEID_NE552	Intelligent Systems Engineering & Robotics	ELE		5			
CEID_NE562	Data Mining and Machine Learning	ELE		5			
CEID_NE5358	Applied Information Systems II	ELE		5			
CEID_NE548	Introduction to Bioinformatics	ELE		5			
CEID_NE5478	Computational Methods in Economics	ELE		5			
CEID_NE584	E-business	ELE		5			
CEID_NE4658	Digital Systems Design using E-CAD tools	ELE		5			
CEID_NE4828	Digital Signal and Image Processing	ELE		5			
CEID_NE4847	Stochastic Signal Processing and Telecommunications	ELE		5			

CEID_NE5668	Special Topics in Digital Systems Design	ELE		5			
CEID_NE5647	VLSI Systems Design	ELE		5			
CEID_NΣM04	Robotics	ELE		5			
CEID_NΣM05	Human Computer Interaction and Design	ELE		5			
TABLE 4	General Education Courses SPRING SEMESTER						
CEID_NE5908	Social and Legal Aspects of Technology	ELE		3			
CEID_ΓΠ00	English II	ELE		3			
CEID_ΓΠ31	Analytic Philosophy II	ELE		3			
CEID_ΓΠ36	Modern Practise Philosophy	ELE		3			
CEID_ΓΠ67	Analytic Philosophy III	ELE		3			
CEID_ΓΠ34	Epistemology- Metaphysics I	ELE		3			
CEID_ΓΠ76	Hellenistic and Roman History	ELE		3			
CEID_ΓΠ77	Ancient Greek Democracies	ELE		3			
CEID_ΓΠ78	Ancient Greek Folk Tradition	ELE		3			
CEID_ΓΠ79	Sociolinguistics	ELE		3			
CEID_OIK6	Commercial Law	ELE		3			
CEID_ΔE2	Introduction to Marketing	ELE		3			
CEID_ΔE7	Public Finance	ELE		3			
GRADE DIPLOMA							
TOTAL GREDITS							300