



UNIVERSITY OF
THESSALY

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
SCHOOL OF ENGINEERING

SEMESTER	COURSE CODE	COURSE	ECTS	INSTRUCTOR
WS	ECE119	Digital Design (Core)	6	
WS	ECE323	Circuit Analysis II (Elective Course)	6	
WS	ECE317	Artificial Intelligence (Elective Course)	6	
WS	ECE319	Compilers (Elective Course)	6	
WS	ECE321	Concurrent Programming (Elective Course)	6	
WS	ECE325	Digital Signal Processing (Elective Course)	6	
WS	ECE327	Digital Systems VLSI (Elective Course)	6	
WS	ECE329	Education Technologies (Elective Course)	6	
WS	ECE331	Electrical Machines (Elective Course)	6	
WS	ECE333	Digital Systems Lab (Elective Course)	6	
WS	ECE435	Linear Programming (Elective Course)	6	
WS	ECE523	Applied Statistics (Elective Course)	6	
WS	ECE411	Power Systems II (Elective Course)	6	
WS	ECE415	High Performance Computing Systems (Elective Course)	6	
WS	ECE419	Logical Functional Programming (Elective Course)	6	
WS	ECE447	Neuro-Fuzzy Computing (Elective Course)	6	
WS	ECE449	Smart Grids (Elective Course)	6	
WS	ECE437	Electrical Installation (Elective Course)	6	
WS	ECE431	CAD Algorithms (Elective Course)	6	
WS	ECE439	Special Topics/ Projects (Elective Course)	6	

WS	ECE445	Parallel and Distributing Computing (Elective Course)	6	
WS	ECE519	Analog Circuit Lab (Elective Course)	6	
WS	ECE511	Advanced Telecommunications Systems (Elective Course)	6	
WS	ECE513	Circuit Simulation Algorithms (Elective Course)	6	
WS	ECE515	Mobile and Pervasive Computing (Elective Course)	6	
WS	ECE555	Advanced Topics in Computer Networks (Elective Course)	6	
WS	ECE541	Database Management Systems II (Elective Course) (Elective Course)	6	
WS	ECE553	Design Thinking (Elective Course)	6	
SS	ECE316	Power Systems I (Core) (Elective Course)	6	
SS	ECE314	Electromagnetic Fields I (Elective Course)	6	
SS	ECE318	Operating Systems (Elective Course)	6	
SS	ECE326	Object Oriented Programming (Elective Course)	6	
SS	ECE328	Information Retrieval (Elective Course)	6	
SS	ECE330	SoC CAD Lab (Elective Course)	6	
SS	ECE342	Alternative Energy Sources (Elective Course)	6	
SS	ECE348	Distributed Systems (Elective Course)	6	
SS	ECE334	Pattern Recognition (Elective Course)	6	
SS	ECE338	Parallel Computer Architecture (Elective Course)	6	
SS	ECE340	Embedded Systems (Elective Course)	6	
SS	ECE332	Advanced Electronics (Elective Course)	6	
SS	ECE344	Power Electronics (Elective Course)	6	
SS	ECE458	Special Topics/ Projects (Elective Course)	6	
SS	ECE424	Multiagent Systems (Elective Course)	6	

SS	ECE418	Blockchain Technologies and Decentralized Applications (Elective Course)	6	
SS	ECE420	Game Architecture and Development (Elective Course)	6	
SS	ECE422	Data Mining (Elective Course)	6	
SS	ECE460	Advanced Data Management (Elective Course)	6	
SS	ECE434	Complex Networks (Elective Course)	6	
SS	ECE470	Software Engineering (Elective Course)	6	
SS	ECE436	Wireless Communications (Elective Course)	6	
SS	ECE450	Computer Networks II (Elective Course)	6	
SS	ECE454	Machine Learning for Data Science and Analytics (Elective Course)	6	
SS	ECE444	Physical CAD Algorithms (Elective Course)	6	
SS	ECE452	Special Topics in Applied Mathematics (Elective Course)	6	
SS	ECE456	Control and Stability of Power Systems (Elective Course)	6	