PID



M.S. / Ph.D. Degree Planner: Computer Engineering (EC79)

COURSE REQUIREMENTS

Minimum of 12 units (Plan I) or 16 units (Plan II) must be ECE courses

PLEASE NOTE: Computer Engineering is impacted, this major can only be selected at the time of application/admission to UCSD

Core Coursework	(Four units)	
ECE 260B	VLSI Integrated Circuits and Systems Design	Core Course
		ECE 260B
		Total: 4 Units
Twenty additional	units selected from the following	
ECE 250	Random Processes	Additional Courses
ECE 251 A	Digital Signal Processing I	
ECE 252 A	Speech Compression	
ECE 253	Fundamentals of Digital Image Processing	
ECE 254	Detection Theory	
ECE 257 A-B	Multiuser Communication Systems, Principles of	
	Wireless Networks	Total: 20 Units
ECE 258 A-B	Digital Communication	
ECE 260 A, C	VLSI Digital System Algorithms and Architectures,	
	VLSI Advanced Topics	
ECE 265 A	Communication Circuit Design I	
ECE 267	Wireless Embedded and Networked Systems	
CSE 202	Algorithm Design and Analysis	
CSE 221	Operating Systems	
CSE 222B	Internet Algorithmics	
CSE 237A	Introduction to Embedded Computing	
CSE 240A	Principles of Computer Architecture	
CSE 243A	Introduction to Synthesis Methodologies in VLSI CAD	
CSE 245	Computer Aided Circuit Simulation and Verification	
Technical Electives	s (twenty-four units)	
 Any 4 unit, 200+ course from ECE, CSE, MAE, BENG, CENG, NANO, SE, MATS MATH or PHYS taken for a letter grade may be counted. Exceptions to this list require departmental approval. 		Technical Electives
 Up to 12 units of undergraduate ECE coursework (ECE 111+ only) may be counted Up to 12 units of undergraduate CSE coursework (CSE 100+; NOT INCLUDING CSE 123A, CSE 140, CSE 140L or CSE 143) 		
		Total: 24 Units
 M.S. Students (Plan II) are allowed no more than 4 units of 299 as technical electives. 		Total: 24 Units
,	nts (Plan I) are allowed no more than 8 units of 299 as technical	
Curriculum Advisors	s: Andrew Kahng	

Advisor's Signature Date

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