



DEPARTMENT OF ELECTRICAL ENGINEERING

ASIC DESIGN AND TEST

CERTIFICATE CHECKLIST

School of Engineering

STUDENT NAME _____ SCU ID# _____

QUARTER OF COMPLETION: _____

REQUIRED COURSES (12 UNITS)

Course #	Title	Term Taken	Grade	Units	Units Taken
ELEN 387	VLSI Design I			2	
ELEN 500	Logic Analysis and Synthesis			2	
ELEN 603	Logic Design Using HDL			2	
ELEN 605	High-Level Synthesis			2	
ELEN 608	Design for Testability			2	
ELEN 624	Signal Integrity in IC and PCB Systems			2	

ELECTIVE COURSES (select any 4 units)

ELEN 388	VLSI Design II			2	
ELEN 389	VLSI Physical Design			4	
ELEN 601	Low Power Designs of VLSI Circuits and Systems			2	
ELEN 604	Semicustom Design with Programmable Devices			2	
ELEN 609	Mixed-Signal DA and Test			2	
ELEN 613	System on Chip Verification			2	
ELEN 614	System on Chip Formal Verification Techniques			2	
ELEN 620	Design of System-on-Chip			2	
TOTAL					16

G.P.A.GRE test requirement for admission to the MSEE degree program
 GRE required GRE waived

Chair's Signature Date