

Guidelines for Students Enrolling in the Non-Degree Conferring Program in IC Design

Amended by the Curriculum Committee on February 27, 2003
Amended and approved by the School of Electrical Engineering Curriculum Committee on March 18, 2003
Amended and approved by a meeting of the University Curriculum Committee on March 21, 2003
Amended and approved by a meeting of the Academic Affairs Committee on March 27, 2003
Amended and approved by Department of Electrical Engineering Academic Affairs Committee on March 23,
2004
Amended and approved by the School of Electrical Engineering Curriculum Committee on May 13, 2004
Amended and approved by University Curriculum Committee on March 21, 2003
Amended and approved by a meeting of the Academic Affairs Committee on March 27, 2003

1. The aim of this program is to establish an integrated curriculum that will enlarge the student's conception of IC systems so as to strengthen his or her design capabilities in this area.
2. Students studying in any college or department in the University may apply for entry into this program.
3. University students who have earned 21 or more credit hours in this program shall be regarded as having completed the program. The name of the program as well as the number of credit hours earned shall be clearly indicated on the transcripts of the students, who shall be awarded a certificate indicating completion of the program.
4. The course and credit hour requirements for this program are as follows:

Course Category	Course Titles	Credit Hours	Remarks
	Electronics I I (EE2001)	3	Any three courses
	Electronics II (EE2009)	3	
	Electronics III (EE3001)	3	
Basic Course	Electrical Circuits I (EE2002)	3	
	Electrical Circuits II (EE2011)	3	
	Intro to Electrical Circuits and Electronics (ME2065)	3	
	Intro to Solid State Electronics (EE3029)	3	Any two courses
	Intro to Digital Systems (EE2016)	3	
Basic Digital Circuit Courses	Digital System Design (EE4022)	3	
	Computer Organization (EE3035)	3	Required Any course
VLSI Design Courses	Intro to VLSI (EE3032)	3	
	VLSI System Design (EE4012)	3	
	Analogue Integrated Circuits (EE6057)	3	
	Microwave Integrated Circuits (EE8014)	3	
	Digital Integrated Circuits and Systems	3	

	(EE7098)		
Specialized Courses	Computer-Aided VLSI Design (EE6094)	3	
	Design and Verification Methodology for Soc (EE5013)	3	
	IC Design for Multimedia Communication (EE8015)	3	
	Digital Signal Processing VLSI Design (EE5011)	3	
	VLSI Integrated Circuit Testing (EE6083)	3	
	Integrated Circuits for Communication (EE7026)	3	

5. Courses having a similar title or content taken from other programs in the University must be recognized by the Department of Electrical Engineering before they can be used to wave courses offered by this program.
6. These guidelines shall be implemented and entered into force upon approval by a meeting of the Academic Affairs Committee. The same procedure applies to any amendment of these guidelines