

ENGINEERING TECHNOLOGY – ELECTRONICS

86
BS.ELET
Fall 2008-Spring 2009

Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHMOST COLLEGE
COLLEGE OF SCIENCE, MATHEMATICS AND TECHNOLOGY

Student Name _____ ID # _____ Date _____

E-mail _____ Signature _____

Academic or Faculty Advisor _____ Date _____

GENERAL EDUCATION CORE	48 HOURS			MAJOR REQUIREMENTS	78 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
COMMUNICATION REQUIREMENT	9 hours			CORE COURSES FOR THE MAJOR	58 hours		
ENGL 1301 Composition I	3	†		ENGR 1101 Introduction to Engineering Technology	1		
ENGL 1302 Composition II <i>or</i> ENGL 2311 Technical Writing	3	†		ELETU 2401 Linear Circuits I	4		
SPCH 1315 Applied Communication	3			ELETU 2201 Fabrication & Instrumentation Lab	2		
				ENGT 1407 Digital Fundamentals	4		
MATH REQUIREMENT	3 hours			ENGT 2130 Engineering Communications	1		
MATH 2413 Calculus I	3*	†		ENGT 2303 Probability and Statistics	3		
				ENGT 3320 Engineering Economics	3		
SCIENCE REQUIREMENT	8 hours			ENGT 4241 Senior Design Project I	2		
PHYS 2325 & PHYS 2125 University Physics I and Lab I	3,1			ENGT 4242 Senior Design Project II	2		
PHYS 2326 & PHYS 2126 University Physics II and Lab II	3,1			ELETU 2410 Electronics I	4		
				ELET 3410 Electronics II	4		
HUMANITIES REQUIREMENT	6 hours			ELET 3424 Power Electronics	4		
Literature (ENGL 2000 level)	3			ENGR 4441 Control Systems	4		
ARTS 1301 Art Appreciation <i>or</i> ARTS 1303 Art History <i>or</i>				ENGR 4442 Applied Control Systems	4		
MUSI 1306 Music Appreciation <i>or</i> MUSI 1308 Music Lit.	3			ELET 3440 Electronic Power & Machinery	4		
				ELET 3411 Electromagnetics & High Frequency Systems	4		
SOCIAL SCIENCE REQUIREMENT	12 hours			ELET 3441 Digital Systems	4		
HIST 1301 United States to 1877	3			ELET 3431 Introduction to Telecommunications	4		
HIST 1302 United States since 1877	3						
GOVT 2301 American and Texas Government	3			SUPPORT COURSES	16 hours		
GOVT 2302 American Government and Policy	3			MATH 2413 Calculus I	1*	†	
				MATH 2414 Calculus II	4		
BEHAVIORAL SCIENCE REQUIREMENT	3 hours			MATH 2415 Calculus III	4		
ANTH 2351 Cultural Anthropology				MATH 2321 Differential Equations & Linear Algebra	3		
BUSI 1301 Introduction to Business				CHEM 1311 General Chemistry I and Lab	3		
ECON 2301 Macroeconomics				CHEM 1111 General Chemistry Laboratory I	1		
GEOG 1303 General World Geography							
PSYC 2301 Introduction to Psychology				COMPUTER SCIENCE CORE COURSES	4 hours		
SOCI 1301 Introduction to Sociology				COSC 1437 Programming Fundamentals II	4		
SOCI 2319 The Mexican American Experience							
KINESIOLOGY REQUIREMENT	1 hour						
KINE 11____ (One hour of activity/health/wellness/ fitness)	1						
MODERN LANGUAGE REQUIREMENT	6 hours						
Six hours of same modern language, other than English.							
	3			TOTAL CREDIT HOURS FOR GRADUATION	126		
	3			TOTAL ADVANCED HOURS (minimum)	36		

† Grade of "C" or better is required for graduation.

* MATH 2413-3 sch for general education and 1 sch toward major requirements.