

ENGINEERING TECHNOLOGY – MANUFACTURING

87
BS.MFET
Fall 2008-Spring 2009

Bachelor of Science

THE UNIVERSITY OF TEXAS AT BROWNSVILLE and TEXAS SOUTHWEST 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	79 HOURS		
	HRS	GR	SEM		HRS	GR	SEM
COMMUNICATION REQUIREMENT	9 hours			CORE COURSES FOR THE MAJOR	53 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	†		ENGT 1409 Introduction to Electrical Technology	4		
SPCH 1315 Applied Communication	3			ENGT 2130 Engineering Communications	1		
				ENGTU 2407 Engineering Materials	4		
MATH REQUIREMENT	3 hours			ENGT 3320 Engineering Economics	3		
MATH 2413 Calculus I	3*	†		ENGT 4241 Senior Design Project I	2		
				ENGT 4242 Senior Design Project II	2		
SCIENCE REQUIREMENT	8 hours			ENGR 1304 Engineering Graphics I	3		
PHYS 2325 & PHYS 2125 University Physics I and Lab I	3,1			ENGR 2301 Engineering Mechanics I: Statics	3		
PHYS 2326 & PHYS 2126 University Physics II and Lab II	3,1			ENGR 2302 Engineering Mechanics II: Dynamics	3		
				ENGR 3304 Mechanics of Materials	3		
HUMANITIES REQUIREMENT	6 hours			ELET 3314 Instrumentation and Control	3		
Literature (ENGL 2000 level)	3			MEET 3311 International Quality Assurance Sys.	3		
ARTS 1301 Art Appreciation <i>or</i> ARTS 1303 Art History <i>or</i>				MEET 3430 Transport Technologies I	4		
MUSI 1306 Music Appreciation <i>or</i> MUSI 1308 Music Lit.	3			MEET 3431 Transport Technologies II	4		
				ENGTU 2410 Intro to Manufacturing Processes	4		
SOCIAL SCIENCE REQUIREMENT	12 hours			MFET 3325 Manufacturing Process Planning	3		
HIST 1301 United States to 1877	3			MFET 3333 Computer Aided Manufacturing	3		
HIST 1302 United States since 1877	3						
GOVT 2301 American and Texas Government	3			SUPPORT COURSES	20 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	3		
ECON 2301 Macroeconomics				CHEM 1111 General Chemistry Laboratory I	1		
GEOG 1303 General World Geography				CHEM 1312 General Chemistry II	3		
PSYC 2301 Introduction to Psychology				CHEM 1112 General Chemistry Laboratory II	1		
SOCI 1301 Introduction to Sociology							
SOCI 2319 The Mexican American Experience				TECHNICAL ELECTIVES	6 hours		
				(6 hours must be advanced 3000, 4000 level)			
KINESIOLOGY REQUIREMENT	1 hour			Advanced			
KINE 11____ (One hour of activity/health/wellness/ fitness)	1			Advanced			
MODERN LANGUAGE REQUIREMENT	6 hours						
Six hours of same modern language, other than English.							
	3			TOTAL CREDIT HOURS FOR GRADUATION	127		
	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.