

**2008-09 INDUSTRIAL ENGINEERING
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE**

**DEGREE REQUIREMENT CHECKSHEET
UNIVERSITY OF CENTRAL FLORIDA**

GENERAL EDUCATION PROGRAM				ENGINEERING MAJOR			
COMMUNICATION - 9 SH	SH	Grd	Trans Equiv		SH	Grd	Trans Equiv
ENC 1101	3	*	SUS	EGN 1006 Intro to Engr Prof	1		#
ENC 1102	3	*	SUS	EGN 1111C Engineering Comp Graphics	2		
SPC 1016 (Preferred) <u>or</u> SPC 1600	3			EGN 1007 Engr Concepts and Methods	1		#
CULTURAL & HISTORICAL - 9 SH				EGN 3211 Engineering Analysis & Computation <u>or</u> COP 3223 Intro. to Programming with C	3		
Select 2: AMH 2010, AMH 2020, EUH 2000, EUH 2001, HUM 2210, HUM 2230, WOH 2012, WOH 2022	6	*	SUS	EGN 3310 Statics	3		
Approved Cultural Foundations course:	3		SUS	EGN 3321 Dynamics	3		
SOCIAL FOUNDATION - 6 SH				EGN 3358 Thermo-Fluids-Heat Transfer <u>or</u> EGN 3343 Thermodynamics	3		
ANT 2000/ PSY 2012/ SYG 2000	3		SUS	EGN 3365 Struct and Prop of Materials	3		
ECO 2013 <u>or</u> ECO 2023	3		SUS	EGN 3373 Principles of Electrical Engr	3		
SCIENCE - 6 SH				EGN 3613 Engineering Economic Analysis	2		@
GEO 1200 <u>or</u> GEO 2370 <u>or</u> MCB1310 <u>or</u> ANT2511 <u>or</u> BSC 1005C <u>or</u> BSC 1050C <u>or</u> GLY 1030	3			EGN 4624 Engineering Administration	3		@
PHY 2048/L Phys for Engrs & Sci I	3		SUS (4 in Engr Core)	STA 3032 Probability & Statistics for Engrs	3		@
MATHEMATICAL - 6 SH				EIN 3000 Intro to IE and MS	2		@
MAC 2311 Calc for Engrs I	3	*	SUS (4 in Engr Core)	EIN 3314C Work Measurement and Design	3		@
STA 3032 Prob & Stats for Engrs	3	*	(3 in Engr Core)	EIN 3354 Principles of Cost Engineering	3		@
SUBTOTAL SEM HRS	36		(11 in Engr Core)	EIN 4628C IE Applications of Computers	3		@
GPA Gen Ed Prog =	36 = 27 + (11 in Engr Core)			EIN 4243C Human Engineering	3		@
* Indicates "C" minimum required by the Gordon Rule				EIN 4333C Industrial Control Systems	3		@
ENGINEERING CORE				EIN 4364C Industrial Planning and Design	3		@
MAC 2311 Calc for Engrs I	4		SUS	EIN 4391C Manufacturing Engineering	3		@
MAC 2312 Calc for Engrs II	4		SUS	ESI 4221 Empirical Methods for IE	3		@
MAC 2313 Calc for Engrs III	4		SUS	ESI 4234 Quality Engineering	3		@
MAP 2302 Differential Equations	3		SUS	ESI 4312 Operations Research	3		@
CHS 1440/L Chem for Engrs (or CHM 2045/L)	4		SUS	ESI 4523C Systems Simulation	3		@
PHY 2048/L Phys for Engrs & Sci I and Lab	4		SUS	EIN 4516C Systems Analysis and Design	3		@
PHY 2049/L Phys for Engrs & Sci II and Lab	4		SUS	EIN 4891C IE Senior Design	3		@
				Technical Elective	3		@
				SUBTOTAL SEM HRS	74		
				GPA Engr Major = 2.250 minimum @ Each class requires GPA = 2.00 minimum			
SUBTOTAL SEM HRS	27			FE Exam REQUIRED for IE (take during Senior year)			
GPA Engr Core = 2.00 minimum				Date FE Exam Taken:		Score:	
^{SUS} Indicates State University System Common Program Prerequisite							
[#] Transfer students please see your faculty advisor before registering for these classes.							