

2017 COMPUTER ENGINEERING: Comprehensive Track

DEGREE REQUIREMENT CHECKSHEET

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

UNIVERSITY OF CENTRAL FLORIDA

GENERAL EDUCATION PROGRAM				REQUIRED COURSES			SH	Grd	Trans Equiv
* Indicates "C-" minimum required by the Gordon Rule				EGS 1006C Intro to Engr Prof	1	#			
** Indicates minimum "C" or better grade				EGN 1007C Engr Concepts and Methods	1	#			
COMMUNICATION (9 SEM HRS)	SH	Grd	Trans Equiv	STA 3032 Probability & Statistics for Engrs	GE				
ENC 1101	3	*		EEL 3926L Junior Design	1				
ENC 1102	3	*		EGN 3211 Engineering Analysis & Comp.	3	**			
SPC 1603	3			EEL 3004C Electrical Networks	3	**			
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3123C Networks and Systems	3	**			
Select 2: AMH 2010, AMH 2020, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022	6	*		EEE 3307C Electronics I	4				
Approved Cultural Foundations course:	3			EEE 3342C Digital Systems	3	**			
SOCIAL FOUNDATION - (6 SEM HRS)				EEL 3801C Computer Organization	4	**			
ANT 2000/ PSY 2012/ SYG 2000	3			EEL 4742C Embedded Systems	3				
ECO 2013 <u>or</u> ECO 2023	3			EEL 4768 Computer Architecture	3				
SCIENCE - 6 SH				EEL 4781 Computer Communication Networks	3				
GEO 1200 <u>or</u> GEO 2370 (either GEO is preferred) <u>or</u> BSC 1050C <u>or</u> BSC 1005C <u>or</u> GLY 1030	3			COT 3100C Introduction to Discrete Structures	3	**			
PHY 2048C Physics I for Engrs	4			COP 3330 Object Oriented Programming	3	**			
MATHEMATICAL - 6 SH				COP 3502C Computer Science I	3	**			
MAC 2311 Calculus I	4	**		COP 3503C Computer Science II	3	**			
STA 3032 Prob & Stats for Engrs	3			COP 4600 Operating Systems	3				
GPA Gen Ed Prog =	38			COP 4331C Processes of OO Software Development	3				
				<i>Technical Electives (see list of EEE/EEL/CDA/CAP/COP/COT/C)</i>	15	~			
				EEL 4914 Senior Design I	3				
				EEL 4915L Senior Design II	3				
ENGINEERING CORE**	SH	Grd	Trans Equiv	SUBTOTAL SEM HRS	71				
MAC 2311 Calculus I	GE	**		GPA Engr Option =					
MAC 2312 Calculus II	4	**		(2.250 minimum)					
MAC 2313 Calculus III	4	**		ADVISOR COMMENTS:					
MAP 2302 Differential Equations	3	**		~BS-MS students should choose (3 SH) 5000 level courses as electives.					
CHS 1440 Chem for Engrs (or CHM 2045C)	4	**							
PHY 2048C Physics I for Engrs	GE	**							
PHY 2049C Physics II for Engrs	4	**							
SUBTOTAL SEM HRS	19								
** A Grade of C (2.00) or higher required									
* Transfer students please see your faculty advisor before registering for these classes.									