

2017 COMPUTER ENGINEERING: Comprehensive Track

DEGREE REQUIREMENT CHECKSHEET

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

UNIVERSITY OF CENTRAL FLORIDA

GENERAL EDUCATION PROGRAM				REQUIRED COURSES		
* 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	GEF	
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, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022				EEE 3307C Electronics I	4	
Approved Cultural Foundations course:				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 or ECO 2023	3			EEL 4768 Computer Architecture	3	
SCIENCE - 6 SH				EEL 4781 Computer Communication Networks	3	
GEO 1200 or GEO 2370 (either GEO is preferred) or BSC 1050C or BSC 1005C or 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/CNT)</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	GEF	**		GPA Engr Option = (2.250 minimum)		
MAC 2312 Calculus II	4	**		ADVISOR COMMENTS:		
MAC 2313 Calculus III	4	**		~BS-MS students should choose (3 SH) 5000 level courses as electives.		
MAP 2302 Differential Equations	3	**				
CHS 1440 Chem for Engrs (or CHM 2045C)	4	**				
PHY 2048C Physics I for Engrs	GEF	**				
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.