

2021 ELECTRICAL 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 Introduction to the Engineering Profession	1	#	
** Indicates minimum "C" or better grade				EGN 1007C Engineering Concepts and Methods	1	#	
COMMUNICATION (9 SEM HRS)	SH	Grd	Trans Equiv	STA 3032 Probability & Statistics for Engineers	GEP		
ENC 1101	3	*		PHY 3101 General Physics Using Calculus III	3		
ENC 1102	3	*		EEL 3926L Junior Design	1		
SPC 1603C	3			EGN 3211 Engineering Analysis & Computation	3	**	
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3004C Linear Circuits I	3	**	
Select 2: AMH 2010, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022	6	*		EEL 3123C Linear Circuits II	3	**	
Approved Cultural Foundations course:	3			EEE 3350 Semiconductor Devices	3		
SOCIAL FOUNDATION - (6 SEM HRS)				EEE 3307C Electronics I	4		
ANT 2000/ PSY 2012/ SYG 2000	3			EEE 3342C Digital Systems	3	**	
ECO 2013 <u>or</u> ECO 2023	3			EEL 3470 Electromagnetic Fields	3		
SCIENCE - 6 SH				EEL 3552C Signal Analysis & Analog Communication	4		
GEO 1200 <u>or</u> GEO 2370 (either GEO is preferred)				EEL 3657 Linear Control Systems	3		
<u>or</u> BSC 1050C <u>or</u> BSC 1005C <u>or</u> GLY 1030	3			EEL 3801C Computer Organization	4	**	
PHY 2048C General Physics Using Calculus I	4			EEE 4309C Electronics II	4		
MATHEMATICAL - 6 SH				EEL 4750 Digital Signal Processing Fundamentals	3		
MAC 2311C Calculus with Analytic Geometry I	4	**		EEL 4742C Embedded Systems	3		
STA 3032 Probability & Statistics for Engineers	3			Technical Electives (EEE or EEL 4XXX or 5XXX)	16	~	
GPA Gen Ed Prog =	36			EEL 4914 Senior Design I	3		
ENGINEERING CORE**				EEL 4915L Senior Design II	3		
MAC 2311C Calculus with Analytic Geometry I	GEP	**		SUBTOTAL SEM HRS	71		
MAC 2312 Calculus with Analytic Geometry II	4	**		GPA Engr Option =			
MAC 2313 Calculus with Analytic Geometry III	4	**		(2.250 minimum)			
MAP 2302 Ordinary Differential Equations I	3	**		ADVISOR COMMENTS:			
CHS 1440 Principles of Chemistry (or CHM 2045C)	4	**		~BS-MS students should choose (3 SH) 5000 level courses as electives.			
PHY 2048 & PHY 2048L General Physics Using Calculus I & Lab	GEP	**					
PHY 2049 & PHY 2049L General Physics Using Calculus II & Lab	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.