Academic Year 2017-18
Bachelor of Science in Electrical Engineering
Concentration: Photonics
EEEPUG

Student Name and ID Number

Estimated Graduation Date

Major Requirements: 81 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
CH 1150	3	
CH 1151	1	
CS 1111	3	
EE 1110	1	
EE 1111	1	
EE 2111	3	
EE 2112	4	
EE 2174	4	
EE 3131	4	
EE 3140	3	
EE 3160	3	
EE 3180	3	
EE 3250	3	
EE 3261	3	
EE 3901	2	
ENG 1101 or	2/4	
ENT 1001 and ENG 1100	3/4	
ENG 1102	3	
MA 1160 or MA 1161	4/5	
MA 2160	4	
MA 2321	2	
MA 3160	4	
MA 3521	2	
PH 1100	1	
PH 1200	1	
PH 2100	3	
PH 2200	3	
SELECT Approved Elective -		
EE3373, ENG2120, ENG320	0, ENG4510,	MEEM2110, MEEM2150, /IEEM3220, MY2100, MY4292,
	3	
Electrical Engineering Elect	ives - 3 cred	its
Any EE course except EE301	.0, 4000, 480	05, 4901, 4910 and those
listed in major requirement	s	
	3	
Credit Subtotal		

Major Requirements: 81 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
Senior Design Path - 7 credi	ts	
Select 4 credits of approved	design fron	n the following:
(EE 4901 and EE 4910) OR (I	MEEM 4901	and MEEM 4911)
	2	
	2	
Approved Electives: Choose	at least 3 c	redits from the list below
	3	
Enterprise Design Path - 7 credits		
Engineering Design: 6 credits		
ENT3950, ENT3960, ENT4950 and ENT4960 OR		
ENT3960, ENT4950, ENT4960 and ENT module from following:		
ENT2961, ENT2962, ENT3959, ENT3963, ENT3966, ENT3967,		
ENT3971, ENT3982, ENT398	3, ENT4951	
	1	
	1	
	2	
	2	
Approved Elective: Choose at least 1 credit from the list below		
	1	
Credit Subtotal		
		•

List of Approved Electives

Three credits required with Senior Design Path

One credit required with Enterprise Design Path

Any BL1010 or higher excluding BL1580, 1690, 1710, 1800, 3970, BL3990

Any CH course numbered above CH1151

Any CM course except CM3410

Any EE course except EE3010 (maximum of 4 credits)

ENG2000 - ENG4999 except ENG2990, 3530, 4300, 4900, 4905, 4910 and 4990

MA2600 or 2910 and any MA course at least 3000 level *except MA3720, 3750, 3810, 3811, 3990, 4810, 4820, 4900, 4905, 4945*Any BE (*excluding BE2700 and BE4770*), CEE, CS, ENT (*excluding ENT2958, 3964*), GE, MEEM, MY course

UN4000

4 credits maxiumum from UN3002, UN3003, UN3004, UN3005

^{*}M-Passed with valid grade, transfer, or Advance Placement credit; Registered in course; Plan to take in future, WVD-Waived course or credit (does not reduce total degree credits required), SUB-Petitioned as

General Education Requirements: 24 credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*

Courses used to complete General Education may not be used to complete other degree requirements.

Core: 12 credits		
UN 1015	3	
UN 1025 or upper level modern language	3	
Critical and Creative Thinking	3	
Social Responsibility and Ethical Reasoning	3	

- ✓ Each course can satisfy only one requirement
- ✓ No more than three credits may come from the Restricted List
- \checkmark Six credits of HASS must be at the 3000- or 4000- level (an upper level language course in place of UN1025 does not meet this requirement).

Humanities, Fine Arts/Social & Behavioral Sciences		
(HASS): 12 credits		
Communication/ Composition	3	
Humanities and Fine Arts	3	
Social and Behavioral Sciences	3	
Course from any list above or Restricted List	3	

Co-Curricular Activities		
Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.		
	.5	
	.5	
	.5	
	.5	
	.5	
	.5	

Concentration Requirements: 20 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
EE 3090	3	
EE 3190	3	
EE 3290	4	
EE 4490	4	
6 credits from the following:		
EE 4252	4	
EE 4253	3	
EE 4257	3	
EE 4290	3	
MY 4292	3	
PH 4510	2	
BE 4250	3	
Credit Subtotal		

Free Electives: 0 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
Credit Subtotal		

Advisor Use Only		
Total Credits Required	128	
Total Credits Completed		
Total Credits Needed		