Academic Year 2021-22 **Bachelor of Science in Electrical Engineering Concentration: Biomedical Applications EEEBUG** 

Student Name and ID Number

**Estimated Graduation Date** 

Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
Core Requirements: 45 Cre	dits*	
CS 1111	3	
EE 2111	3	
EE 2112	4	
EE 2174	4	
EE 3131	4	
EE 3140	3	
EE 3160	3	
EE 3171 or BE4770*	3/4	
EE 3180	3	
EE 3261	3	
EE 3901	2	
EE 4250	3	
ENG 1101 or	3/4	
ENG 1001 and ENG 1100	3/4	
ENG 1102	3	
Math and Science: 28 Cred	its	
CH 1150	3	
CH 1151	1	
MA 1121 or MA 1160	4/5	
or MA 1161	4/3	
MA 2160	4	
MA 2321	2	
MA 3160	4	
MA 3521	2	
PH 1100	1	
PH 1200	1	
PH 2100	3	
PH 2200	3	
EE Technical Electives: 6 Cr	edits (7 credits	if BE4770 was taken)
EE Technical Electives: 6 Cr Any EE course except CS100 EE4901 and EE4910 and tho than 3 credits of EE2000-EE EEnXXe.	00, EE3010, EE3 ose listed in maj	173, EE4000, EE4805, or requirements. No mo
Credit Subto	4-1	

Major Requirements: 83 - 85 Credits			
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*	
Senior Design Path: 4 credits			
(May use MEEM 4901 and MEEM 4911)			
EE 4901	2		
EE 4910	2		
OR			
Enterprise Design Path: 6 cred	its		
Engineering Design: Select 6 credits from the following:			
ENT3950, ENT3960, ENT4950 <b>and</b> ENT4960 <b>OR</b>			
ENT3960, ENT4950, ENT4960 <b>and</b> ENT module from following:			
ENT2961, ENT2962, ENT3959, ENT3963, ENT3966, ENT3967,			
ENT3971, ENT3982, ENT3983, ENT4951			
	1		
	1		
	2		
	2		
Credit Subtotal			

Concentration Requirements: 19 Credits		
BL 2010	3	
BL 2020	3	
BE 2400	3	
BE 3700	3	
BE 3701	1	
(BE 2800 or MSE 2100) or BE 3300	3	
BEA Elective: choose one course: (BE2800 or MSE2100) or BE3300, BE3350, BE3800, BE4250, BE4510, BE4670, BE4700, BE4755		

 $<sup>{}^{\</sup>textstyle *\textbf{M}\textbf{-}} \textbf{Passed with valid grade, transfer, or Advance Placement credit;}$ Registered in course; Plan to take in future, WVD-Waived course or credit (does not reduce total degree credits required), SUB-Petitioned as substitute course.

**Credit Subtotal** 

<sup>\*</sup>If BE4770 is taken, then student must take 7 credits of EE Technical Electives

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	
HASS: 12 Credits		
✓ Students must complete 12 credits of HASS course work		
✓ Six of the 12 credits must be at the 3000- or 4000- level*		
✓ At least three credits each in the following: Communication/Comp,		
Humanities and Fine Arts, and Social & Behavioral Sciences.		
✓ No more than three credits may come from the Restricted List		
Communication/ Composition	minimum 3	
Humanities and Fine Arts	minimum 3	
Social and Behavioral Sciences	minimum 3	

<sup>\*</sup>an upper division language course in place of UN1025 does not meet this requirement.

0-3

Course from any list above or

Restricted List

Co-Curricular Activities: 3 Credits		
Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.		

Free Electives: 2 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		