



# PROGRAM OF STUDIES

## MS ELECTRICAL & COMPUTER ENGINEERING

**(46 UNITS)**

Name: ..... Student SCU # .....

First

Last

Email: ..... Expected Graduation Date: .....

PROGRAM TYPE (CHECK ONE):                       NEW                       UPDATED                       FINAL

**1. Transfer Credits:**

(All transfer credit must be approved by your advisor. Maximum TC credit 9 quarter units or 6 semester units. BS/MS students can transfer up to 20 units from their undergraduate degree. Students who have an undergrad degree from SCU can transfer up to 12 units from their undergrad degree. The approved transfer units cannot be used toward your undergraduate degree.) Please attach an additional sheet if you have more than 3 classes to transfer. *Only those courses completed with a B grade or higher will be eligible for transfer credit. Extension, continuing education and online courses are not acceptable for transfer credit.*

Institution	Course	SCU Equivalent	Units	Grade	Year

**2. Enrichment Experience: Complete BOTH sections a) and b).** Minimum 8 units.

a) Must take at least 2 courses (minimum 4 units) from the 3 graduate core areas. NO WAIVERS OR SUBSTITUTIONS WILL BE ACCEPTED.

Graduate Core Area	Course #	Course Title	Units	Grade
Emerging Topics in Engineering				
Engineering and Business/Entrepreneurship				
Engineering and Society				

b) Remaining 4 units completed by one of the following. Please choose one and list courses below:

- One or more technical electives                       Cooperative Education courses (ENGR 288/289)  
 Additional classes from Graduate Core                       Combining courses from (a), (b), (c)

Course #	Course Title	Units	Grade

**3. Applied Mathematics (4 units required)**

Course	Units	Grade

4. Electrical Engineering Focus Area: Select one primary and two breadth areas (excluding your primary). Students must meet the requirements of their primary area and take at least one course from each breadth area.

<u>Area</u>	<u>Primary(P)/ Breadth(B)</u>	<u>Required Courses</u>	<u>Units</u>	<u>Grades</u>
Power Systems and Control	<input type="checkbox"/> P <input type="checkbox"/> B	Either <input type="checkbox"/> 236 or <input type="checkbox"/> 281A Two from <input type="checkbox"/> 211 <input type="checkbox"/> 232 <input type="checkbox"/> 281B <input type="checkbox"/> 333		
IC Design and Technology	<input type="checkbox"/> P <input type="checkbox"/> B	Three from <input type="checkbox"/> 252 <input type="checkbox"/> 261 <input type="checkbox"/> 270 <input type="checkbox"/> 387		
RF and Applied Electromagnetics	<input type="checkbox"/> P <input type="checkbox"/> B	Take <input type="checkbox"/> 201  Two from <input type="checkbox"/> 202 <input type="checkbox"/> 203 <input type="checkbox"/> 204 <input type="checkbox"/> 624 <input type="checkbox"/> 701 <input type="checkbox"/> 706		
Signal Processing	<input type="checkbox"/> P <input type="checkbox"/> B	Take <input type="checkbox"/> 233  Two from <input type="checkbox"/> 234 <input type="checkbox"/> 421 <input type="checkbox"/> 431 <input type="checkbox"/> 520 <input type="checkbox"/> 640 <input type="checkbox"/> 644		
Digital Systems	<input type="checkbox"/> P <input type="checkbox"/> B	Take <input type="checkbox"/> 501 <input type="checkbox"/> 511 $\alpha\delta$ <input type="checkbox"/> 603		
Communications	<input type="checkbox"/> P <input type="checkbox"/> B	Both <input type="checkbox"/> 241 and <input type="checkbox"/> 243 One from <input type="checkbox"/> 244 <input type="checkbox"/> 444 <input type="checkbox"/> 446		
Advisor Notes				

5. Additional Elective Courses in Focus Area and other Areas in Electrical Engineering  
Recommended and approved by the graduate program advisor for subarea \_\_\_\_\_

<u>Course</u>	<u>Units</u>	<u>Grade</u>

<u>Course</u>	<u>Units</u>	<u>Grade</u>

**GRADUATION REQUIREMENTS**

<u>TOTALS</u>	
<b><u>Transfer Units</u></b> (1 semester unit = 1.5 quarter units) (9 quarter units maximum)	
<b><u>Total SCU Units</u></b>	
<b><u>Total Units</u></b>	

(46 quarter units minimum)	
<u>Current Cumulative GPA</u>	

I understand that it is my responsibility to:  
Ensure the transcripts for transfer credits are sent to the Graduate Services Office.

1. Obtain my advisor's approval and signature of this program and of any subsequent changes needed.
2. Complete the program as approved with a minimum of 46 units and a 3.0 cumulative GPA with no grade below C-.

Student Signature/Date: \_\_\_\_\_ / \_\_\_\_\_

Advisor Name (print): \_\_\_\_\_

Advisor Signature/Date \_\_\_\_\_ / \_\_\_\_\_