Program of Studies
Electrical & Computer Engineering MS
(With Graduate Engineering Core)

Santa Clara Engineering

Name: ………………………………………………………………………………………… Student SCU # …………………………………………
     First   Last

Email: ………………………………………………………………………………………………Expected Graduation Date: …………………………

PROGRAM TYPE (CHECK ONE):   ☐ NEW   ☐ UPDATED   ☐ FINAL

1. **Graduate Core Requirements.**
   Must take at least 1 course from the 2 graduate core areas (minimum 4 units). NO WAIVERS OR SUBSTITUTIONS WILL BE ACCEPTED.

Graduate Core Area	Course #	Course Title	Units	Grade
Engineering and Society				
Professional Development				

2. **Applied Mathematics (4 units required):**

Course	Units	Grade

3. **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 of the selected breadth areas.

Area	Primary(P)/ Breadth(B)	Required Courses	Units	Grades
Power Systems and Control	P B	Either 236 or 281A Two from 231 232 281B 333		
IC Design and Technology	P B	Three from 252 261 270 387		
RF and Applied Electromagnetics	P B	Take 201 Two from 202 203 624 701 706		
Signal Processing	P B	Take 233 Two from 234 421 431 520 640 644		
Digital Systems	P B	Take 501 511 and 603		
Communications	P B	Both 241 and 243 One from 244 444 446		
Advisor Notes				

4. **Additional Elective Courses in Focus Area and other Areas in Electrical Engineering:**
   Recommended and approved by the graduate program advisor.
   Note that the complete program must include a minimum of 27 units of ECEN courses.

Course	Units	Grade		Course	Units	Grade

5. **Transfer Credits:**

   All transfer credit must be approved by your academic advisor. A maximum of 9 quarter units or 6 semester units may be transferred. Only courses completed with a grade of C- or higher are eligible for transfer credit. Extension, continuing education, and online courses are not accepted. BS/MS students may transfer up to 20 graduate-level units from their undergraduate coursework. All approved transfer credit must not have been applied toward the completion of a prior degree.

Institution	Course	SCU Equivalent	Units	Grade	Year

GRADUATION REQUIREMENTS

TOTALS

Transfer Units (1 semester unit = 1.5 quarter units) (9 quarter units maximum) (BS/MS 20 units maximum)	
Total SCU Units	
Total Units (46 quarter units minimum)	
Current Cumulative GPA	

I understand that it is my responsibility to:
- **Ensure the transcripts for transfer credits are sent to the Graduate Services Office.**
- **Obtain my advisor's approval and signature of this program and of any subsequent changes needed.**
- **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 _____ /_____   7/25