Santa Clara University
School of Engineering

Program of Studies
Bioengineering
(Enrichment Experience)

NAME: .... **STUDENT SCU #**...................................

       FIRST   LAST

EMAIL: ....   **EXPECTED GRADUATION DATE:** ....

POS VERSION (CHECK ONE):   ☐ NEW   ☐ UPDATED   ☐ FINAL

1. *Enrichment Experience*: **Complete BOTH sections a) and b).** Minimum 8 units.
   a) Must take one course from the remaining two graduate core areas. Bioe 210 is required. The same course cannot be used for Part B. **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	BIOE 210	Ethical Issues in Bioengineering	2	

   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

2. Focus Area (Primary: 6 Units, Other: 4 Units)

Biomolecular Engineering			Biomaterials and Tissue Engineering			Biodevice Engineering			Computational Bioengineering			Translational Bioengineering		
BIOE	Term	Grade	**BIOE**	Term	Grade	**BIOE**	Term	Grade	**BIOE**	Term	Grade	**BIOE**	Term	Grade
257 (2)			258 L+L (5)			203 (2)			227 A (2)			206 (4)		
263 (2)			259 L+L (5)			216 (2)			227 B (2)			263 (2)		
282 (2)			269 (2)			260 (2)			251 (2)			279 (2)		
283 (2)			273 (2)			267 (2)			252 (2)			285 (2)		
286 (2)			378 (2)			268 (4)			261 (2)			302 (2)		
288 (2)						276 (2)			281 (2)			307 (2)		
300 (2)						277 (2)			312 (2)			320 (2)		
301 (2)						308 (2)			**Adv Amth**			380 (4)		
Note: 1) All grad-level BIOE courses (except BIOE 210) may count as TEs; 2) Selected grad courses from ELEN, MECH, or COEN may be credited as TEs upon approval by faculty advisor; 3) Max. 3 units total of BIOE 297 is allowed if also taking BIOE 397, otherwise max. 6 units total of BIOE 297 is allowed; 4) Submission of a Master's Thesis is required for BIOE 397 (max. 9 units total); 5) Additional 6 units are required for a primary focus in Computational or Translational Bioengineering									*240 (2)			**Capstone**		
									*364 (2)			*294 (2)		
									*370 (2)			*295 (2)		
									*371 (2)			*296 (2)		
									*377 (4)					

3. Technical Electives (TEs)[1,2] And Thesis Units (19 Units Or Computational/Translational: 13 Units)

BIOE	Catalog #	Units	Grade	Term (s)
BIOE	**297[4]**			
BIOE	**397[5]**			

4. Bioengineering Core

2. **APPLIED MATHEMATICS (4 UNITS)**				**BIOENGINEERING CORE (5 UNITS)**			
Catalog #	**Units**	**Term**	**Grade**	**Catalog #**	**Units**	**Term**	**Grade**
				200	**(1) X 2**		
				232 & 232L	**3**		

5. Transfer Credit

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 that have an undergrad degree from SCU can transfer 12 units. The approved transfer credit units cannot be used toward the Student's undergrad degree. Only courses with a C or higher are eligible for transfer credit. Extension, continuing education and online courses are NOT acceptable for transfer credit.

Institution	Course	SCU Equivalent	Units	Grade	Term completed

GRADUATION REQUIREMENTS

UNIT TOTALS AND GPA	
Transfer Units **(1 semester unit = 1.5 quarter units)(9 quarter units maximum)**	
Total SCU Units	
Total Units (46 quarter units minimum)	
Current Cumulative GPA (minimum GPA 3.0)	

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-.**
- **Students and advisors need to check to ensure that all the courses listed in the POS satisfy the MS degree requirements listed in the SCU graduate engineering bulletin.**

Student Signature/Date: _____ /_____

Advisor Name (print): _____

Advisor Signature/Date _____ /_____   10/23