Santa Clara Engineering

Program of Studies
Bioengineering MS

NAME: _____ **STUDENT SCU #**_____

EXPECTED GRADUATION DATE: _____ **POS: NEW UPDATED FINAL**

1. Graduate Core Requirements. BIOE 210 is required. Take one course from the remaining graduate core area (minimum 4 units overall). NO WAIVERS OR SUBSTITUTIONS WILL BE ACCEPTED.

Graduate Core Area	Course #	Course Title	Units	Grade
Engineering and Society	BIOE 210	Ethical Issues in Bioengineering	2	
Professional Development				

2. Focus Area. Complete 6 units from the Primary focus area and 4 units from a second focus area. Complete an additional 6 units for computational bioengineering (AMTH courses) or Translational Bioengineering (Capstone) (**10-16 units**)

Biomolecular Engineering			Biomaterials and Tissue Engineering			Biodevice Engineering			Computational Bioengineering			Translational Bioengineering		
BIOE	UNITS	Grade	BIOE	UNITS	GRADE	BIOE	UNITS	GRADE	BIOE	UNITS	GRADE	BIOE	UNITS	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		207	2	
282	2		269	2		260	2		251	2		208	2	
283	2		273	2		267	2		252	2				
286	2		378	2		268	4		261	2				
287	2		381	2		276	2		281	2				
288	2					277	2		312	2				
									284	2				
300	2					308	2		**AMTH 6 UNITS**			**CAPSTONE**		
301	2								240	2		294	2	
Note: (1) All graduate level BIOE courses (except BIOE 210) may count as TEs; (2) Selected graduate courses from ECEN, MECH, or CSEN may be credited as TEs upon approval by faculty advisor;(3) Maximum 3 units of BIOE 297 is allowed if also taking BIOE 397, otherwise maximum 6 units of BIOE 297 is allowed:(4) Submission of a M.S. Thesis is required for BIOE 397 (max. 9 units)									364	2		295	2	
									370	2		296	2	
									371	2				
									377	4				

3. Applied Mathematics. 4 units from AMTH 200 and 201 (or 202), AMTH 210 + 211 (or 212), and AMTH 245 and 246 (or 247).

Catalog #	Units	Grade

4. Bioengineering Core-8 units from BioengineeringBS/MS Students who completed Bioe 180/280 may take additional approved TE courses to fulfill BIOE core (minimum 4 units)**

COURSES	BIOE 200 (1 Unit)	BIOE 232 L&L(3 units)	**Bioe 280 (4 units)
GRADES			

5. Technical Electives[1,2] and Directed Research/Thesis. (**4-19 units**)

Course #	Course Title	Units	Grade

6. Transfer Credit.

A maximum of 9 quarter units or 6 semester units may be transferred from another accredited institution. 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 completed while pursuing their BS 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 _____/_____