



Howard Community College
A.A. Transfer Plan

A.A. Engineering Transfer to B.S. Biomedical Engineering

This transfer plan is intended for students pursuing an A.A. in Engineering at Howard Community College who are interested in pursuing a B.S. in Biomedical Engineering at Stevenson University. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to Stevenson University. (r)-0.82 9.695 T.165 c727 (4)-1g/ 4n0 9 389S-0 387.36 Tm.1 Ctte (-)652g 0(-1.5 (20.rTj 0 Ty))0.8 (

	CHEM 115/115L General Chemistry	Program Requirement	4
ENGL 121 College Composition	ENG 151 College Writing I	General education	3
MATH 181 Calculus I	MATH 220 Calculus I	Program Requirement	4
MATH 182 Calculus II	MATH 221 Calculus II	Program Requirement	4
MATH 261 Differential Equations	MATH 321 Introduction to Differential Equations	Program Requirement	4
PHYS 110 General Physics I w/ lab	PHYS 215 General Physics I	Program Requirement	4

Originals: CHEM 210L

		Requirements	16
	Biology 113 Cell Biology and Genetics and Biology 113		
Electives: ENES 120 Statics (3) Engineering Elective (3)	BME 299 General elective (2 courses, 6 credits)	General electives	6

Community College Degree Requirements	Stevenson Equivalency	Category	Credits Transferred
Social & Behavioral Sciences – Critical & Creative Thinking Core	General education		3
Arts & Humanities – Critical & Creative Thinking Core	General education, Fine Arts		3

BME 365 Independent Research in Biomedical Engineering*

BME 425 Synthetic Biology*

BME 440 Topics in Biomedical Engineering*

*Courses currently under development. Suitable substitutes will be identified as needed.

Additional Credits Needed: up to 1 credits of general electives

Up to 1 credit of general electives if needed to meet the 120 credit minimum for the B.S. degree.

Total credits to be taken at SU: **56**

Suggested Course Sequence

YEAR 3				
	FALL		SPRING	
	BME 205 Problem Solving and Design	4	BME 210 Thermodynamics	3
	ENG 152 College Writing II	3	BME 230 Biofluid Mechanics	3
	BME 314 Biostatistics	3	BME 320 Clinical Immersion	3
	BME 380 Biomechanics	4	SCI 215 Write the Docs	3
	Science Elective (1 of 2)	3-4	BME Elective (1 of 2)	3-4
CREDITS	17-18			
YEAR 4				
	FALL		SPRING	
	BME 335 Instrumentation	3	BME 315 Biomaterials	4
	BME 340 Systems Physiology	4	BME 475 BME Design Capstone II	3
	BME 470 BME Design Capstone I	3	BME Elective (2 of 2)	3-4
	Science Elective (2 of 2)	3-4		