



Approved 10 Sept 2024 by Prof. Amanda Lowery

Semester 1	Course	Hrs
CHEM 1601, 1601L	General Chemistry	4
ES 1401, 1402, 1403	Intro to Engineering	3
MATH 1300	Acc Single-Var Calculus I	4
	LAC	3
	Vanderbilt Visions	0
	total hours	14

Semester 2	Course	Hrs
CHEM 1602, 1602L	General Chemistry	4
CS 1101, 1103, 1100, or 1104	Programming	3
MATH 1301	Acc Single-Var Calculus II	4
PHYS 1601, 1601L	General Physics I	4
BME 1015	Innovations and Careers in BME	1
	total hours	16

Semester 3	Course	Hrs
BME 2301	Systems Physiology 1	3
BSCI 1510, 1510L	Intro to BioSci: Lecture/Lab	4
MATH 2300	Multivariable Calculus	3
PHYS 1602, 1602L	General Physics II & Lab	4
	LAC	3
	total hours	17

Semester 4	Course	Hrs
BME 2302	Systems Physiology 2	3
ECE 2112	Circuits I	3
MATH 2400	Diff Eq with Linear Algb	4
BME 2100	Biomechanics	3
BME 2900W	Engineering Lab 1	1
BME 2400	Quantitative Methods 1	3
	total hours	17

Semester 5	at UNSW	Hrs
	BME Elective	3
	BME Elective	3
	Tech Elective	3
	LAC	3
	Open Elective	2
	total hours	14

Semester 6	Course	Hrs
BME 3000	Physiological Transport Phenomena	3
BME 3301	Biomedical Instrumentation I	4
BME 3400	Quantitative Methods II	3
BME 3900W	Biomedical Engineering Lab II	1
	LAC	3
	Technical Elective	3
	total hours	17

Semester 7	Course	Hrs
BME 3302	Biomedical Instrumentation II	4
BME 3500	Biomaterials	3

Semester 8	Course	Hrs
BME 4951	Design BME Engr Sys II	3
	BME Elective	3

	BME Elective	3
BME 4901W	Biomedical Engr Lab III	1
BME 4950	Design BME Engr Sys I	2
BME 4959	Sr Engr Design Seminar	1
LAC	LAC Elective	3
	total hours	17

	Technical Elective	3
	Open Elective	3
	LAC	3
	total hours	15

total hours = 127

This curriculum plan is a guide that follows the BME degree requirements as of Fall 2024. It is NOT authoritative. The Undergraduate Catalog is the authoritative document regarding degree requirements. Students considering studying abroad should consult the catalog and discuss their plans with their academic advisers.