

Accelerated dual degree program: B.S. in Biophysics/M.D. at Cooper Medical School of Rowan University - sample 4-year sequence

First Semester (Fall)	Credit	Second Semester (Spring)	Credit
CHEM 06.100 Chemistry I (Scientific Literacy)	4	CHEM 06.101 Chemistry II	4
PHYS 00.220 Introductory Mechanics	4	PHYS 00.221 Intro Electricity/Magnetism or PHYS 00.222 Introductory TFWO	4
MATH 01.130 Calculus I (Quantitative Literacy)	4	MATH 01.131 Calculus II	4
COMP 01.111 College Comp. I	3	COMP 01.112 College Comp. II	3
PHYS 00.130 Building Momentum (RS)	1		
Term Total Credit	16	Term Total Credit	15
Third Semester (Fall)	Credit	Fourth Semester (Spring)	Credit
CHEM 07.200 Organic Chemistry I	4	CHEM 07.203 Organic Chemistry II for BMS	4
MCB 01.101 Foundations in Biology for Biomedical Sciences I	4	MCB 01.102 Foundations in Biology for Biomedical Sciences II	4
PHYS 00.221 Intro Electricity/Magnetism or PHYS 00.222 Introductory TFWO	4	PHYS 00.300 Modern Physics	4
MATH 01.230 Calculus III	4	PHYS 00.330 Mathematical Methods for Physics	4
Term Total Credit	16	Term Total Credit	16
Fifth Semester (Fall)	Credit	Sixth Semester (Spring)	Credit
CHEM 07.348 Biochemistry	4	PHYS 00.360 Molecular Biophysics*	4
TBS 01.135 Biomedical Technologies I*	3	PHYS 00.375 Radiation Physics*	3
Free Elective: PHIL 09.369 Philosophy of Science is recommended (WI & Humanistic Literacy)	3	Free Elective (Artistic Literacy/Global Literacy)	3
PHYS 00.371 Biophysics: Fundamentals of Biomaterials*	3	Free Elective (Artistic Literacy/Global Literacy)	3
CMS 04.205 Public Speaking	3	PHYS 00.451 Biophysics Research I	2
		PHYS 00.452 Biophysics Research II	2
Term Total Credit	16	Term Total Credit	17
Seventh Semester (Fall)	Credit	Eighth Semester (at GSBS)*	Credit
Fundamentals	12	Lifestages	3
Scholar's Workshop	2	Infectious Diseases	3
Foundations of Medical Practice	3	Hematology-Oncology	3
Ambulatory Clerkship	3	Skin-Musculoskeletal	6
Weeks on Wards	1	Scholar's Workshop	2
Clinician Clinic/Orientation	1	Foundations of Medical Practice	3
		Ambulatory Clerkship	3
Term Total Credit	22	Term Total Credit (graduate)	23

* indicates a course that is typically only offered in the indicated Fall or Spring term

This document is intended as a guide only. Please consult with your academic advisors to fully plan your course sequence.