

**Accelerated dual degree program: B.S. in Biochemistry + MD CMSRU
—sample 4-year sequence**

First Semester (Fall)	Credit	Second Semester (Spring)	Credit
CHEM 06.100 Chemistry I-RS	4	CHEM 06.101 Chemistry II	4
MCB 01.101 Foundations in Biology for Biomedical Sciences I	4	MCB 01.102 Foundations in Biology for Biomedical Sciences II	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
Term Total Credit	15	Term Total Credit	15
Summer between years 1 & 2			Credit
Free Elective (Artistic Literacy)			3
Free Elective (PULSE Program Year 1)			3
Third Semester (Fall)	Credit	Fourth Semester (Spring)	Credit
CHEM 07.200 Organic Chemistry I	4	CHEM 07.201 Organic Chemistry II	4
PHYS 00.220 Introductory Mechanics (Scientific Literacy)	4	CHEM 09.250 Quantitative Analysis	4
MATH 01.230 Calculus III or STAT 02.284 Statistics for Biomedical Sciences	4 or 3	PHYS 00.221 Intro Electricity and Magnetism	4
CMS 04.205 Public Speaking	3	PSY 01.107 Essentials of Psychology	3
SOC 08.120 Intro to Sociology	3	PHIL 09.376 Philosophy of Medicine (WI & Humanistic Literacy)	3
Term Total Credit	17-18	Term Total Credit	18
Summer between years 2 & 3			Credit
Free Elective (PULSE Program Year 2)			3
Fifth Semester (Fall)	Credit	Sixth Semester (Spring)	Credit
CHEM 07.348 Biochemistry	4	CHEM 07.407 Advanced Biochemistry Chemistry Lecture	3
CHEM 08.305 Biophysical Chemistry	4	CHEM 07.409 Advanced Biochemistry Chemistry Lab	2
CHEM 05.440 Research I	3	Restricted Elective (Chem)	3
Restricted Elective (Chem)	3	Restricted Elective (Chem)	3
CS 01.104 Intro to Scientific Programming	3	CHEM 05.450 Seminar	1
Term Total Credit	17	Term Total Credit	12
Total Credits (Rowan): 103			
FIRST YEAR CMSRU (Year 4)			
Fundamentals (<i>Molecular Genetics, Biochem Restr. Elective</i>)	12	Lifestages	3
Scholar's Workshop (<i>Free Elective</i>)	2	Infectious Diseases (<i>Biology Rest. Elective</i>)	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	23
Sub-total: 17 s.h.			
Total: 120 s.h.			

Summer between years 4 & 5 (at GSBS)			Credit
CMB 00690 Thesis Research (summer) Formation of Advisory Committee			5
Term Total Credit (graduate)			5
Ninth Semester (at GSBS)	Credit	Tenth Semester (at GSBS)	Credit
CMB 00805 Cell Culture & Stem Cells (even # years) OR CMB 00806 Graduate Genetics (odd # years)	2	CMB 00808 Molecular Oncology (even # years) OR CMB 00810 Biomolecular Interactions (odd # years)	2
CMB 00804 Critical Readings	2	CMB 00803 Scientific Writing (even # years) OR CMB 00802 Experimental Design (odd # years)	2
CMB 00809 Departmental Seminar Series	1	CMB 00809 Departmental Seminar Series	1
CMB 00699 Thesis Continuation	5	CMB 00801 Bioethics in Science and Medicine	2
		CMB 00699 Thesis Continuation	5
Term Total Credit	10	Term Total Credit (graduate)	12

** 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.