

**Accelerated dual degree program: B.S. in Biochemistry + DO
RowanSOM —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 | | | 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 | | | 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 RowanSOM (Year 4) | | | |
| Biochemistry/Human Genetics <i>(Molecular Genetics, Chem Restr. Elective)</i> | 7 | Clinically Integrated Human Anatomy | 6.5 |
| Clinically Integrated Human Anatomy | 6.5 | Histology <i>(Free Elective)</i> | 3 |

| | | | |
|--|-------------|--|-------------|
| Medical Physiology (<i>Chem Restr. Elective</i>) | 4 | Microbiology/Immunology (<i>Bio Restr. Elective</i>) | 3 |
| Histology | 3 | Neuroscience | 3 |
| Microbiology/Immunology | 3 | Medical Physiology | 4 |
| On Doctoring I | | On Doctoring I | |
| Osteopathic Manipulative Medicine I | | Osteopathic Manipulative Medicine I | |
| Term Total Credit | 23.5 | Term Total Credit | 19.5 |
| 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.