

Cazenovia College advising sheet for Biology majors preparing for *Medical Doctor (MD) programs*

NOTE that it is critical that you research as early as possible the specific requirements of the particular MD program(s) to which you plan to eventually apply. This document reflects prerequisite courses required by most MD programs. However, some MD programs may require or recommend additional courses, and some MD programs do not require all of these particular prerequisite courses.

IMPORTANT! In *addition* to grades of a “C” or higher in prerequisite courses, Medical Doctor programs *also* generally require...

- Undergraduate GPA of ***at least*** 3.0,
- Sufficiently high MCAT scores,
- Substantial volunteer experience,
- Substantial clinical experience,
- Letters of Recommendation.

Cazenovia College Biology Curriculum	Medical Doctor Prerequisite Courses
PROGRAM COURSES	
Art & Sciences Courses	
Course (Credits)	
SM 117 Diversity of Life (4)	General Biology I
SM 118 Cellular and Molecular Biology (4)	General Biology II
SM 121 General Chemistry I (4)	General Chemistry I
SM 122 General Chemistry II (4)	General Chemistry II
SM 211 Investigating Biology (3)	
SM 221 Organic Chemistry I (4)	Organic Chemistry
SM 231 Comparative Vertebrate Anatomy (4)	
SM 243/343 Biotopics (3)	
SM 261 Statistics (3)	Statistics
SM 315 Genetics and Evolution (4)	Genetics recommended
SM 331 Animal Physiology (4)	Physiology recommended
SM 342 Principles of Ecology (3)	
SM 411 Cell Biology and Physiology (4)	Cell Biology recommended
SM 200/300/400 level Biology elective (3 or 4)	Human Anatomy recommended
TOTAL PROGRAM CREDITS - 51	
ELECTIVES	
Course (Credits)	
100-400 level (11)	
Medical Terminology (3)	Medical Terminology recommended
Lifespan Developmental Psychology (3)	Developmental Psychology recommended

Cazenovia College Biology Curriculum	Medical Doctor Prerequisite Courses
ELECTIVES (cont.)	
Physics I (4)	General Physics I
Physics II (4)	General Physics II
300/400 level (19)	
Biochemistry (3)	Biochemistry
Abnormal Psychology (3)	Abnormal Psychology recommended
Cognition (3)	Cognitive Psychology course recommended
TOTAL ELECTIVE CREDITS - 30	
GENERAL EDUCATION COURSES	
First Year Seminar	
Written Communication	
EN 101 Academic Writing I	English Composition
EN 201 Academic Writing II	English Elective
Spoken and Interpersonal Communication	
CM 121 Effective Speaking	
CM 301 OR CM 313 OR CM 410	
Ethics	
HU 361 OR HU 365	Ethics recommended
Quantitative Literacy¹	
SM 161 OR SM 165 OR SM 265	
Cultural Literacy	
Any course from Cultural Literacy list	
Scientific Literacy²	
PS 120 Intro. Psychology	Intro. Psychology recommended
Diversity and Social Consciousness	
Any course from Div. and Soc. Consc. list	
Visual Literacy	
Any course from Visual Literacy list	
Critical Thinking, Problem Solving and Info. Lit.	
SM 396 Scientific Inquiry	
Senior Capstone	
SM/HU 499 Senior Capstone	
TOTAL GENERAL EDUCATION CREDITS - 39	
TOTAL CREDITS FOR DEGREE - 120	

¹ Any course from the College's Quantitative Literacy list may be used to satisfy this requirement, but SM 161 or SM 165 or SM 265 must be completed before SM 261 Statistics which is a specific Biology degree requirement.

² Any course from the College's Scientific Literacy list may be used to satisfy this requirement, but students interested in becoming a Medical Doctor should complete PS 120 Intro. Psychology, a prerequisite for additional psychology courses.