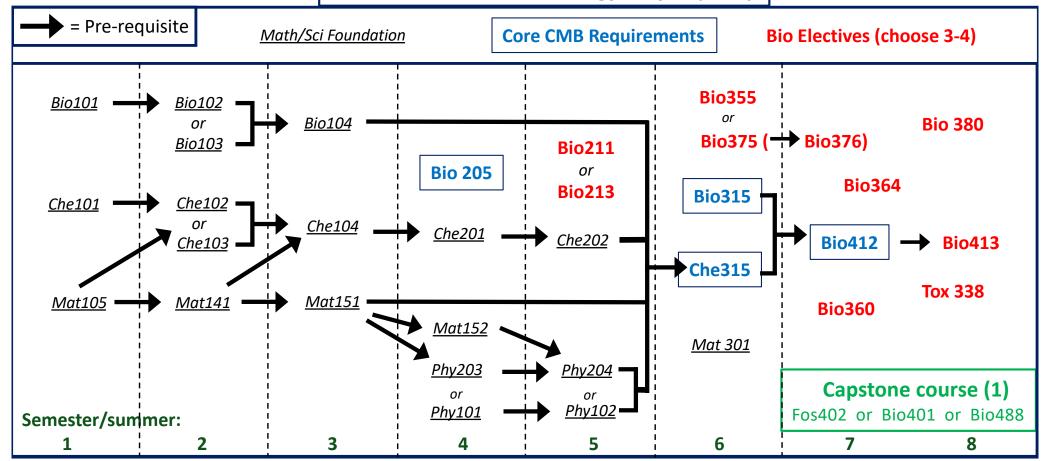
## Cell and Molecular Biology Major (B.S.)



Please note the following important points:

- 1.) The most important factor for on-time graduation is advancing through the CHE courses, because they must be taken in this order. To stay on track, students must take a CHE course every single term until Che315 is completed.
- 2.) Phy203/204 requires calculus 2 (Mat152), but Phy101/102 do not. But the CMB major does require Calculus 1 (Mat151)
- 3.) Not all course pre-requisites are shown. Many of the upper-level courses have additional pre-requisites not shown here.
- 4.) Many of the "Bio Elective" courses are only offered once per year, so advanced planning is highly recommended.

Updated Spring 2025	Major Coordii	ntor: Prof. I	Nathan H. Lent	S	
	NLENTS@jjay.cuny.edu				
Cell and Molecular E	Biology	Major			
Course name	Number	credits	Alternatives	Offered	My plan:
General Science Foundation		40			
Modern Biology 1	Bio103	5	Bio101-102	F. Sp. Su	
Modern Biology 2	Bio104	4		F, Sp, Su	
General Chemistry 1	Che103	5	Che101-102	F, Sp	
General Chemistry 2	Che104	4		F, Sp, Su	
Calculus 1	Mat151	3		F, Sp, Su	
Statistics	Mat301	3		F, Sp, Su	
Organic Chemistry 1	Che201	4		F, Sp, Su	
Organic Chemistry 2	Che202	4		F, Sp, Su	
College Physics 1	Phy101	4	Phy203	F, Sp, Su	
College Physics 2	Phy102	4	Phy204	F, Sp	1
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Biology Core (all required):		14			
Eukaryotic Cellular Biology	Bio205	3		F, Sp, Su	
Genetics	Bio315	3		F, Sp, Su	
Biochemistry (w/ lab)	Che315	4		F, Sp, Su	
Molecular Biology (w/ lab)	Bio412	4			
Biology Electives (choose 3-4):		>= 12			
Microbiology (lecture only)	Bio211	3		F, Sp, Su	
Microbiology with lab	Bio213	4		F, Sp	
Human Physiology	Bio355	3		F, Sp	
Cellular and Molecular Toxicology	Tox338	4		F	
Human Pathology	Bio360	4		F	<u> </u>
Forensic Pathology	Bio364	4		Sp	
Anatomy and Phyiology 1	Bio375	4		F	
Anatomy and Phyiology 2	Bio376	4		Sp	ļ
Selected Topics in Biology	Bio380	3		varies	
Forensic DNA analysis (w/ lab)	Bio413	4		Sp	
Bio488 can count as elective if Fos402 also	completed	3		Sp	
Capstones (must choose one)		3			
Undergraduate Research Internship	Fos402	3		F, Sp, Su	
Biomedical Research Internship	Bio401	3		F, Sp, Su	
CMB capstone course	Bio488	3		Sp	
* Included here are courses that also satisfy nine credits of general education	Total =	69-72*			