



**BMCB Graduate Student Requirements & Benchmarks 2019**

This is a snapshot of the requirements of your PhD program in Biochemistry, Molecular & Cell Biology. For details on any of these requirements, you should consult the Graduate School and/or BMCB Field websites and the BMCB Bluebook. **Pay attention to administrative benchmarks and deadlines; these are a part of your program and are your responsibility. If you have any questions, do not hesitate to ask the GFAs, DGSs or the Graduate School.**

Benchmarks/Requirements by Year (Course Requirements on back of sheet)		
Year	Benchmark	Deadline
First Year	Temporary Chair (DGS)	2 weeks from registration
	Rotations (3): Three 8-week rotations are required of all incoming graduate students. These begin in October and end in May.	1 <sup>st</sup> – mid-October-mid-December 2 <sup>nd</sup> – early January – mid-March 3 <sup>rd</sup> – mid March – mid-May
	Online training through <a href="#">Cornell Office of Research Integrity and Assurance (ORIA)</a> in authorship, peer review, and avoidance of research misconduct	Prior to the end of the student’s second registered semester
	Conflict of Interest Form (training grant appointees)	By the end of 1 <sup>st</sup> academic year
	Join lab/Choose Special Committee Chair	End of 1 <sup>st</sup> academic year (8/15 at latest)
Second Year	Assemble three-member Special Committee	Early part of third semester
	TA-experience	Fall or Spring semester
Third Year	A-exam: Schedule of Exam form must be filed 7 days prior to the exam; Results form 3 days after. <a href="https://bmc.b.cornell.edu/graduate-students/exams/">(https://bmc.b.cornell.edu/graduate-students/exams/)</a>	By September 30 of third year of study
Fourth Year	Thesis Research!	
Fifth- Sixth Year	B-Exam Schedule of Exam form must be filed 7 days prior to the exam; Results form 3 days after.	There should be at least 2 semesters between your A and B exams. Typically, BMCB students graduate in 5-6 years.

Annual Requirements	
Registration <b>Three (3) times a year Fall, Spring &amp; Summer</b>	Register <b>3 (three) times a year!</b> Make sure there are no holds on your account. You must be registered by sixth week of classes during the academic year or you will no longer have grad student status. You must register for the summer in order to use university facilities (i.e. libraries) and avoid having with-holding taxes taken out of your check.
Course Enrollment	Federal regulations require <b>12 credits of courses every academic semester.</b> The Graduate School will automatically enroll you in 12 credit hours of dissertation research at the start of the Fall and Spring semesters. Enroll in any required/desired classes. Credit hours of the GRAD course will be adjusted accordingly after course enrollment is completed. Enroll in GRAD research course in the summer (12 credits not required).
Presentation of research in BIOMG 8330	Every graduate student (2 <sup>nd</sup> year and beyond) is required to present a seminar every year.
Progress Report	Should be turned in within 30 days following your BIOMG 8330 research presentations
Winter Symposium on Research Ethics and RCR (2 required prior to graduation)	Registration and attendance at <b>two</b> of the Winter Symposium on Research Ethics and RCR are required prior to graduation! Generally, it is held in mid-January; registration occurs in November



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<b>Course Requirements by Year</b>	
First Year	<b>BIOMG 8310</b> Advanced Biochemical Methods I - Lab 01 (Fall)
	<b>BIOMG 7940</b> Current Topics in Biochemistry (Proposal Writing Course) (Fall)
	<b>BIOMG 8310</b> Advanced Biochemical Methods I - Lab 02 (Rotation 1) (Fall)
	<b>BIOMG 8369:</b> Foundations & Frontiers in Cell & Molecular Biology (Fall)
	<b>BIOMG 8370</b> Foundations & Frontiers in Cell & Molecular Biology (Spring)
	<b>BIOMG 8320</b> Advanced Biochemical Methods II (Rotation 2 & 3) (Spring)
	One quantitative methods course (to be taken in first or second year): <b>BTRY 3010</b> (Fall) OR <b>BTRY 6010</b> (Fall) OR <b>BTRY 6020</b> (Spring) OR <b>BIOMG 8340</b> (Spring 2020, alternate years)
	<b>Focused training:</b> Choose 2 of the following courses: <b>BIOMG 6310</b> (3 credits) Protein Structure, Dynamics, and Function (Nicholson; Fall) <b>BIOMG 6330</b> (2 credits) Biosynthesis of Macromolecules (Fall) <b>BIOMG 6390</b> (2 credits) The Nucleus (Lis; Spring) <b>BIOMG 6360</b> (2 credits) Functional Organization of Eukaryotic Cells (Spring) <b>BIOMG 6870</b> (3 credits) Tricks of the Trade (Spring; offered every two years – students can take it in 1 <sup>st</sup> or 2 <sup>nd</sup> year)
Second Year	<b>BIOMG 8330:</b> Research Seminar in Biochemistry (All 2nd-4th year graduate students must register; 2/3rd's attendance is required)
	<b>BIOMG 7510</b> Ethical Issues and Professional Responsibilities
	<b>BIOMG 8300</b> Research Seminar in Biochemistry (1 credit)
	<b>BIOMG 8380</b> Scientific Communication in BMCB (1 credit)
	<b>BIOMG 7940*</b> Current Topics in Biochemistry: Careers Course (BMCB graduate students are required to take one Careers mini-course before they graduate). Complete courses for minor (chosen in consultation with Special Committee)
Third Year	<b>BIOMG 8330:</b> Research Seminar in Biochemistry (All 2nd-4th year graduate students must register; 2/3rd's attendance is required)
	<b>BIOMG 8300</b> Friday afternoon MBG seminar
Fourth Year	<b>BIOMG 8330:</b> Research Seminar in Biochemistry (All 2nd-4th year graduate students must register; 2/3rd's attendance is required)
	<b>BIOMG 8300</b> Friday afternoon BMCB/GD seminar
Fifth Year & Beyond	<b>BIOMG 8330:</b> Research Seminar in Biochemistry (5th year graduate students must present but do not have to register).
	<b>BIOMG 8300</b> Friday afternoon MBG seminar
<b>*Careers Course Requirement</b>	
Students are required to take one Careers Course before graduation but are encouraged to participate in more. Each Careers Course is uniquely organized by different faculty each time it is offered (every two years).	