

SAMPLE COURSE SCHEDULE
(Note this may vary by student)
BIOCHEMISTRY AND MOLECULAR BIOLOGY
PH.D. PROGRAM

<u>1st Year</u>	<u>Credit Hours</u>
Semester 1: Undifferentiated Curriculum	
Foundations of Contemporary Biomedical Research 1 & 2	8
Cellular Methods	1
Scientific Integrity	1
Laboratory Rotations	<u>2</u>
Total	12
Student chooses laboratory to carry out dissertation research	
Semester 2: Molecular Genetics	3
Biochemistry and Molecular Biology Journal Club	1
Research	<u>8</u>
Total	12
Summer: Scientific Writing	2
Research	<u>7</u>
Total	9

2nd Year

Semester 1: Advanced Course (possibly Biochemical and Oncogenic Signaling Pathways)	3
Biochemistry and Molecular Biology Journal Club	1
Research	<u>8</u>
Total	12
Semester 2: Advanced Course (possibly Protein Structure and Enzymology or Advanced Molecular Biology offered on alternate years)	4
Biochemistry and Molecular Biology Journal Club	1
Research	<u>7</u>
Total	12

Written qualifying exam – The student submits a topic and abstract the first week of April. The student receives questions by the third week of May. Answers are submitted 2 weeks later.

Summer: Research	9
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Student writes dissertation proposal.

3rd-5th Year

Semester 1:	Biochemistry and Molecular Biology Journal Club	1
	Out of area seminar	1
	Research	<u>10</u>
	Total	12
Semester 2	Biochemistry and Molecular Biology Journal Club	1
	Research	<u>11</u>
	Total	12

By June 30 of the third year, the student must have completed the dissertation proposal defense.

Summer:	Research	9
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To retain full time student status and to qualify for the graduate tuition waiver, students must register for a minimum of 9 credit hours each regular semester and 6 credit hours during the full summer session (May to August). For more information, see:

<http://graduateeducation.wvu.edu/forms-procedures/academic-services-policies-and-procedures/summer-enrollment-guidelines>