

BS in Biochemistry/Molecular Biology Option

Name & WSU ID: _____ Expected graduation date: _____

Term UCORE REQUIREMENTS: (see catalog or advisement report in myWSU for more details) DTA: ___ AST: ___

Roots of Contemporary Issues [ROOTS] (3)	Humanities [HUM] (3)
Written Communication [WRTG] (3)	Creative & Professional Arts [ARTS](3)
***MBioS 201 (required) (Sp) [COMM] (3)	Diversity [DIVR] (3)
Inquiry in Social Sciences [SSCI] (3)	University Writing Portfolio (https://writingprogram.wsu.edu/uwpsubmission/)

Non-Major prerequisites

Biol 106 Introduction: Organismal	(4)
Biol 107 Introduction: Cell Biology & Genetics	(4)
Chem 105 Principles I	(4)
Chem 106 Principles II	(4)
Chem 345 Organic Chem I	(4)
Chem 348 Organic Chem II & Problem Solving	(4)
Phys 101 General or Phys 201 Science & Eng I	(4)
Phys 102 General or Phys 202 Science & Eng II	(4)
OR { Math 140 Math for Life Scientists	(4)
Math 171 Calculus I	
OR { Stats 212 Intro Stat Methods	(3-4)
Stats 412 Stat Methods Res I	

MOLECULAR BIOSCIENCES

A grade of C or better is required in each of the courses below. (cr) [SMB Prerequisites are listed in brackets]

MBioS 301 General Genetics (Fa/Sp/Su)	(4) [Biol 106, 107; Chem 105, 106]
MBioS 303 Introductory Biochemistry (Fa/Sp/Su)	(4) [Chem 345]
MBioS 304 Micro/Molecular biology Lab(Fa/Sp/Su)	(3) [c// MBioS 303 or MBioS 305]
MBioS 305 Gen Microbiology Lecture (Fa/Sp/Su)	(3) [Biol 107; Chem 345; MBioS 303 rec]
MBioS 401 Cell Biology (Sp)	(3) [MBioS 301; 303]
MBioS 404 Molecular Biology (Fa)	(3) [MBioS 301; 303; 305 or c//]
MBioS 413 General Biochemistry I (Fa)	(3) [MBioS 303; junior standing]
MBioS 414 General Biochemistry II (Sp)	(3) [MBioS 413]
[M]MBioS 454 Biochemistry Lab (Fa)	(3) [MBioS 303; 304]
MBioS 465 Principles of Biophysical Chem (Sp)	(3) [MBioS 303; Math 140 or 171; c// Phys 102 or 202]
[M]MBioS 494 [CAPS] Senior Project (Fa/Sp)	(3) [senior status]

***One lecture course from below:

MBioS 410 Medical Microbiology (Sp)	(3)
MBioS 423 Human Genetics (Sp)	(3)
MBioS 426 Microbial Genetics (Sp)	(3)
MBioS 440 Immunology (Fa)	(3)
MBioS 442 General Virology (Sp)	(3)
MBioS 450 Microbial Physiology (Sp)	(3)
MBioS 466 Physical Biochemistry (Fa-even)	(3)
MBioS 478 Bioinformatics (Sp)	(3)
Phys 466 Biological Physics (Fa)	(3)
Biol405 Principles of Organic Evolution(Sp)	(3)

Additional electives required to reach 120 credits

*A grade of 'C' or better is required in these courses to remain admitted to major and eligible for SMB scholarships

** Biol 315 is **required** for PrePharm & **recommended** for students considering PreMed or PreDent

***MBioS 201 is required for students admitted to major fall 2021 and after

****Completed core requirements cannot be used to satisfy lecture elective

*****A grade of 'C' or better is required in **ALL** MBioS courses