

**Recommended program of study for Pre-Medical and Pre-Dental students  
BS in Biochemistry/Molecular Biology Degree**

Name: \_\_\_\_\_ Expected graduation date: \_\_\_\_\_

UCORE REQUIREMENTS: (see catalog or degree audit for more details).

_____ Roots of Contemporary Issues	(3)	_____ Humanities	(3)
_____ Communication	(3)	_____ Creative and Professional Arts	(3)
_____ Written Communication	(3)	_____ Global Diversity	(3)
_____ Inquiry in Social Sciences	(3)	_____ Writing Portfolio ( <a href="http://www.wsu.edu/~jrpf/">http://www.wsu.edu/~jrpf/</a> )	

**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)
_____ { Math 140 Math for Life Scientists	
OR { Math 171 Calculus I	(4)
_____ { Math 212 Intro Stat Methods	
OR { Stat 412 Stat Methods Res I	(3-4)

\* A grade of C or better and a cumulative gpa of 2.50 is required to certify in SMB.

**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; Phys 102 or 202]
_____ [M]MBioS 494 Senior Project (Fa/Sp)	(3)	[senior status]

**One lecture course from below:**

_____ MBioS 410 Medical Microbiology (Sp)	(3)
_____ MBioS 423 Human Genetics (Fa)	(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 (Fa)	(3)
_____ Phys 466 Biological Physics (Fa)	(3)

**AND**

**One laboratory course from below:**

_____ [M]MBioS 402 Genetics Lab (Sp)	(3)
_____ [M]MBioS 411 Medical Bact (c// <b>410</b> ) (Sp)	(3)
_____ [M]MBioS 430 Immunology/Virology Lab (Fa)	(3)
_____ MBioS 498 Directed Research (Fa/Sp/Su)	(min 3)
_____ MBioS 499 Special Problems (Fa/Sp/Su)	(min 3)
_____ Biol 251 Intro Human Physiology (Fa/Su)	(4)
_____ ** Biol 315 Gross and Microanatomy (Fa/Sp)	(4)
_____ Biol 352 and 353 Cell (Fa) & Human Phys (Sp)	(7)
_____ Neuro 425/426 Integrated Phys and Lab(Su/Sp)	(4)

\*\* Biol 315 is recommended for students considering Premed or Predent.