

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

Name: _____ Expected graduation date: _____

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

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| _____ Roots of Contemporary Issues (3) | _____ Creative and Professional Arts (3) |
| _____ Communication (3) | _____ Global Diversity (3) |
| _____ Written Communication (3) | _____ EconS 101 (3) |
| _____ Inquiry in Social Sciences: Psych 105 (3) | _____ English 301, 302 or 402* (3) |
| _____ Humanities: Phil 103 or 365 (3) | _____ Writing Portfolio (www.wsu.edu/~jrpf/) |

Non-Major prerequisites

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| * _____ 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]

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| _____ 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:

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| _____ MBioS 410 Medical Microbiology (Sp) (3) | <u>AND</u> |
| _____ 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) | |

One laboratory course from below:

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| _____ [M]MBioS 402 Genetics Lab (Sp) (3) |
| _____ [M]MBioS 411 Medical Bact (c// 410) (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 required for students considering Prepharmacy.

