Effective Fall 2012

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).

- Roots of Contemporary Issues (3)
- Communication (3)
- Written Communication (3)
- Inquiry in Social Sciences: Psych 105 (3)
- Humanities: Phil 103 or 365 (3)

- Creative and Professional Arts (3)
- Global Diversity (3)
- EconS 101 (3)
- English 301, 302 or 402* (3)
- Writing Portfolio (www.wsu.edu/~jrpf/)

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 (4)
OR _____ Math 171 Calculus I (4)
_____ Math 212 Intro Stat Methods (3)
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)

One laboratory course from below:

[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.

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