Recommended program of study for Pre-Veterinary Medicine 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)  Humanities (3)
- Written Communication (3)  Creative and Professional Arts (3)  Global Diversity (3)
- Inquiry in Social Sciences (3)  Writing Portfolio (http://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 I & 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]
[MB]MBioS 454 Biochemistry Lab (Fa) (3) [MBioS 303; 304]
[MB]MBioS 465 Principles of Biophysical Chem (Sp) (3) [MBioS 303; Math 140 or 171; Phys 102 or 202]
[MB]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 494 Directed Research (Fa/Sp/Su) (min 3)
- MBioS 499 Special Problems (Fa/Sp/Su) (min 3)
- Biol 251 Intro Human Physiology (Fa/Sp) (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 Pre-Veterinary Medicine.

Effective Fall 2012