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)	_____	Humanities	(3)
_____	Communication	(3)	_____	Creative and Professional Arts	(3)
_____	Written Communication	(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 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:		**AND**
____	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 recommended for students considering Pre-Veterinary Medicine.

Effective Fall 2012