

Advising Checklist: Pre-Pharmacy Updated: 8/7/2009

	Subject	Number	Credits	Course Name	Semester	Completed	UM-AA	Wayne	Ferris
UM-Flint Pre-req's	MTH	90	3	Intermediate Algebra	F, W				
		111	3	College Algebra	F, W, Sp				
		120	4	Pre-Calculus	F, W, Sp				
	CHM	140	3	Fundamentals of Chemistry	F, W, Sm				
	BIO	326	4	Cell Biology	F, W, Sp				
Science	MTH	121	4	Calculus I	F, W, Sp		X	X	X
	CHM	260	3	Principles of Chemistry I	F, W, Sp		X	X	X
		261	1	General Chemistry I Lab	F, W, Sp		X	X	X
		262	3	Principles of Chemistry II	F, W, Sm		X	X	X
		263	1	Intro Quant Analysis Lab	F, W, Sm		X	X	X
		330	3	Organic Chemistry I	F		X	X	X
		331	1	Organic Chemistry I Lab	F		X	X	X
		332	3	Organic Chemistry II	W		X	X	X
		333	1	Organic Chemistry II Lab	W		X		X
		350(or 450)	3	Fundamentals of Biochemistry	W		X		
	BIO	111	4	Organismal Biology	F, W		X		X
		113	4	Principles of Biology	F, W		X	X	X
		135 (or 435)	4	Microbiology Basics	F, W, Sp			X	
		167	4	Human Anatomy/Physiology I	F,W		X	X	X*
		168	4	Human Anatomy/Physiology II	F, W, Sp		X	X	X*
		301	4	Biostatistics	F, W		X		
		328	4	Genetics	W, Sm		X		
		435	4	Microbiology	F		X		
		432	4	Mammalian Physiology	W			X	X*
PHY	143	4	College Physics I	F, W, Sp		X**	X**		
	145	4	College Physics II	F, W, Sm		X			

*to fulfill the anatomy and physiology requirement, you can take either BIO 432, 404, or 408; or 167, 168 and BIOL 206 from Ferris

** 243 and 245 may be substituted

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	Subject	Number	Credits	Course Name	Semester	Completed	UM-AA	Wayne	Ferris	
Non- Science	ENG	111	3	College Rhetoric	F, W		X	X	X	
		112	3	Critical Writing and Reading	all			X	X	
	CSC	121*	1	Using a Computer System	all			X		
	PHL	202	3	Intro to Logic	F, W, Sm			X		
	POL	120	3	American Nat Govt & Politics	F, W, Sp			X		
	COM	210*	3	Intro to Public Speaking	all			X	X	
	ECN	201	3	Prin of Econ (Macro-Econ)	all				X	
	PSY or SOC	100	3	Psychology or Sociology	all				X	
		Cultural Enrichment		9	Many courses apply	all				X
		Social Science		6	Many courses apply	all		X		
		Humanities or For. Lan.		6	Many courses apply	all		X		