Student Name:		Z Number:	

BS MEDICAL BIOLOGY - General Program Requirements and Electives for All Med Bio Majors

(This major consists of 75-76 credits total, 37-38 credits of Upper Division)

	Course Title	*Lect Grade*	*Lab Grade*	FAU Course #	*Credits*
Required Courses (Medical Biology Core) 63-64 credits					
	Biological Principles & Lab			BSC 1010 & L	4
	Biodiversity & Lab			BSC 1011 & L	4
	*General Chemistry I & Lab			CHM 2045 & L	4
	*General Chemistry II & Lab			CHM 2046 & L	4
	*Organic Chemistry I			CHM 2210	3
	*Organic Chemistry II			CHM 2211	3
	Organic Chemistry Lab			CHM 2211L	2
	Life Science Calculus **or** Calculus with Analytic Geometry 1			MAC 2241 **or** MAC 2311	4
	College **or** General Physics I			PHY 2053 **or** 2048	4
	General Physics I Lab			PHY 2048L	1
	College **or** General Physics II			PHY 2054 **or** 2049	4
	General Physics II Lab			PHY 2049L	1
	Experimental Design & Statistical Inference **or** Biostatistics			PSY 3234 **or** STA 3173	3
	Biochemistry 1			BCH 3033	3
	General Microbiology and Lab			MCB 3020, 3020L	4
	Genetics			PCB 3063	4
	Cell Biology			PCB 3023	3
	Select two courses/labs in Physiology to be selected from:				
	Human Morphology & Function 1 and Lab			PCB 3703, 3703L	4
	Human Morphology & Function 2 and Lab			PCB 3704, 3704L	4
	Comparative Animal Physiology and Lab			PCB 4723, 4723L	4
	Vert Struct Devel & Evolution and Lab			ZOO 4690, 4690L	5

MEDICAL BIOLOGY ELECTIVES (SELECT 12 CREDITS)					
Select a minimum of 12 UPPER DIVISION credits from the list below					
	Biochemistry 2 **OR** Biochemistry Lab			BCH 3034 **OR** BCH 3103L	3
	Molecular Genetics of Aging			BSC 4022	3
	Laboratory Methods in Biotechnology			BSC 4403L	3
	Biology of Cancer			BSC 4806	3
	Directed Independent Reserch in Biological Science***			BSC 4910	0-3
	Special Topics			BSC 4930	1-3
	Comparative Animal Behavior			CBH 4024	3
	Introduction to Drug Design			CHM 4273	3
	Structural Biochemistry			CHM 4350	3
	Directed Independent Study***			CHM 4905	1-4
	Senior Seminar			CHM 4930	1
	Medical Bacteriology			MCB 4203	3
	Evolution			PCB 3674	3
	Principles of Ecology			PCB 4043	3
	Genetics Lab			PCB 4067L	3
	Immunology			PCB 4233	3
	Molecular Genetics			PCB 4522	4
	Genes and Development			PCB 4594	3
	Cellular Neuroscience and Disease			PCB 4842	3
	Practical Cell Neuroscience			PCB 4843C	3
	Directed Independent Study***			PCB 4905	1-3
	Directed Independent Research***			PCB 4915	1-3
	Directed Independent Research***			PCB 4916	0-3

	Special Topics			PCB 4930	1-8

Important:

4 - 5 cr of Upper Division Gen Elective

*Need a C- or better in All courses (***FAU Chemistry sequence requires a C or better to take the next course in the sequence**)

***Maximum of 5 credits in DIS/DIR/RES; maximum of 3 credits DIS/DIR/RES within a given semester

● 75% of Upper Division must come from major department @ FAU (26 cr. min UD Bio @FAU)

● 42 credits of upper-division coursework is required (min. 120 cr. total)

Note: No more than a total of 5 non-graded (S/U) credits may be used to fulfill biology degree program requirement

Note: Students wishing to participate in Medical Shadowing Internship should not enroll in Professional Internship. They should instead enroll in Medical Shadowing Internship (IDS 3940). The Medical Shadowing Internship course cannot be used to fulfill biology degree program requirements.

	Course Title	***Grade***	***FAU***	***Credits***
	Directed Independent Research in Biological Sciences***		BSC 4910	0-3
	Directed Independent Study***		CHM 4905	1-4
	Professional Internship		IDS 3949	0-1
	Directed Independent Study***		PCB 4905	0-3
	Directed Independent Research***		PCB 4915	1-3
	Directed Independent Research***		PCB 4916	0-3