BS in Medical Studies – Life Sciences Track

Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

Pre-Professional Phase (Years 1 – 3)

	Fall Year 1	Credits		Spring Year 1	Credits
	BIOL 113[2,]* Evolution & Diversity	3		BIOL 210* Organisms & Their Ecosystems	3
	BIOL 113L* Evolution & Diversity Lab	1		BIOL 210L* Organisms & Their Ecosystems Lab	1
	CHEM 113[2,]* General Chemistry I	3		CHEM 114* General Chemistry II	3
	CHEM 113L* General Chemistry I Lab	1		CHEM 114L* General Chemistry II Lab	1
	Core Course[1]	3		MATH 126[2]* Introduction to Statistics	3
	Core Course[1]	3		Core Course[1]	3
	PA 100 Introduction to PA Essentials	1		Core Course[1]	3
	HCE 101 Holy Cross Experience	1			
		16			**17**
	Fall Year 2	**Credits**		**Spring Year 2**	**Credits**
	BIOL 213* Cell & Molecular Biology	3		BIOL 224* Biochemistry for Medical Studies	3
	BIOL 213L* Cell & Molecular Biology with Lab	1		BIOL 224* Biochemistry for Medical Studies Lab	1
	CHEM 241* Organic Chemistry I	3		BIOL 314* Microbiology	3
	CHEM 241L* Organic Chemistry I Lab	1		BIOL 314L* Microbiology Lab	1
	Core Course[1]	3		Core Course[1]	3
	Core Course[1]	3		Core Course[1]	3
	Core Course[1]	3		Core Course[1]	3
	PA 200 Fundamental PA Skills	1			
		18			**17**
	Fall Year 3	**Credits**		**Spring Year 3**	**Credits**
	BIOL 221* Anat. & Phys. I for Medical Studies	3		BIOL 222* Anat. & Phys. II for Medical Studies	3
	BIOL 221L* Anat. & Phys. I Lab for Medical Studies	1		BIOL 222L* Anat. & Phys. II Lab for Medical Studies	1
	BIOL 327* Immunology and Clinical Microbiology	3		BIOL 341* Topics in Biochem./Physiology/Genetics	3
	BIOL 327L* Immunology and Clinical Micro. Lab	1		NEUR 342* Drugs & Behavior	3
	NEUR213* Intro to Neuroscience	3		Core Course[1]	3
	Core Course[1]	3		Core Course[1]	3
	Free Elective[3,]	3		PA 201 PA Career Foundations	1
		17			**17**

Professional (Didactic) Phase (Year 4 Fall)			Spring Year 4 – Life Sciences Track		
	Fall Semester – Year 4	cr.		**Spring Semester – Year 4**	cr.
	PA 450 Diag. Methods I	4		NEUR Elective[4]	3
	PA 554 Clin. Medicine I	4.5		ELECTIVE	3
	PA 556 Clin. Medicine II	4		ELECTIVE	3
		5.5		Select one: MATH125 Calculus CHEM242/242L Organic Chemistry II & Lab Upper-level natural science class with lab[5]	4
	PA 475 Basic Med Sci I				
		18			**13**

Total Credits Required for Graduation = 133

NOTES:

*Courses noted with a single asterisk comprise the "Prerequisite Science GPA".

[1]Choose one course from each of the Core Requirements listed on the reverse side.

[2] Course may satisfy both a Major and a Core requirement. BIOL 113 and CHEM 113 satisfy the Scientific Endeavor and Science in Context Core requirement. MATH 126 satisfies the Quantitative Reasoning Core requirement.

[3] Students may select "free electives" for personal enrichment **OR** for Minor and/or Second Major Requirements.

[4]Excluding NEUR346

[5]Pending approval by department chair

General Information:

A student must earn a minimum of 120 credit hours to be awarded the baccalaureate degree. The number of credit hours required for graduation may be higher in certain major programs **or** if the student elects to pursue a second major. Beyond the requirements of the Core Curriculum and of a student's chosen major program, the balances of the credit hours required for graduation are "free electives." Any future changes adopted for the Medical Studies – Physician Assistant Track Major for Years 1, 2, 3, and Fall Semester Year 4 would also be adopted for the Medical Studies – Life Sciences Track Major.