

College of Humanities and Social Sciences - School of Integrative Studies
Integrative Studies, BA with Concentration in Life Sciences with Premedical Emphasis

Catalog Year: 2019 - 2020		Grades		
Mason Core Requirements	Course Information	Credits	Earned	Needed
Written Communication:	ENGH 101 (100)	3		
Oral Communication:	May be met by INTS 101 or 202	0-3		
Quantitative Reasoning	Satisfied by Concentration Requirements	0		
Information Technology	May be met by INTS 345 or 445	0-3		
Arts	May be met by INTS 245 or 346	0-3		
Global Understanding	May be met by INTS 303, 406, or 416	0-3		
Literature	May be met by INTS 101	0-3		
Natural Science Overview	May be met by INTS 301	0-3		
Natural Science with Lab	Maybe met with INTS 210, 311, or 403	0-4		
Social and Behavioral Sciences	May be met by an INTS course	0-3		
Western Civilization/World History	HIST 100 or 125 can apply to major	0-3		
Written Communication:	ENGH 302	3		
Synthesis/Capstone	May be met by an INTS course	0-3		
<p>Major Requirements (min. 30 credits with at least 15 credits at the 300/400-levels). Students must have a minimum GPA of 2.00 in courses applied to the major and concentration. While fulfilling the concentration requirements, students are also responsible for completing a minimum of 30 credits of INTS coursework. Any INTS courses required for the concentration will apply</p>				
Integrative Studies Coursework (minimum 30 credits): Any INTS course will apply		Credits	Earned	Needed
INTS 391	Understanding Integrative Studies			
INTS Course # 1:				
INTS Course # 2:				
INTS Course # 3:				
INTS Course # 4:				
INTS Course # 5:				
INTS Course # 6:				
INTS Course # 7:				
INTS Course # 8:				
INTS Course # 9:				
INTS Course # 10:				
Concentration in Life Sciences with Premedical Emphasis (50 -52 credits)				
BIOL 213	Cell Structure and Function (Mason Core)	4		
BIOL 311	General Genetics	4		
BIOL 483	General Biochemistry	4		
CHEM 211	General Chemistry I (Mason Core)	3		
& CHEM 213	and General Chemistry Laboratory I (Mason Core)	1		
CHEM 212	General Chemistry II (Mason Core)	3		
& CHEM 214	and General Chemistry Laboratory II (Mason Core)	1		
CHEM 313	Organic Chemistry I	3		
& CHEM 315	and Organic Chemistry Lab I	2		
CHEM 314	Organic Chemistry II	3		
& CHEM 318	and Organic Chemistry Lab II	2		
MATH 110, or MATH 113	Introductory Probability (Mason Core) or Analytic Geometry and Calculus I (Mason Core)	3-4		
MATH 111 or MATH 114	Linear Mathematical Modeling (Mason Core) or Analytic Geometry and Calculus II	3-4		
PHYS 243	College Physics I (Mason Core)	3		
& PHYS 244	and College Physics I Lab (Mason Core)	1		
PHYS 245	College Physics II (Mason Core)	3		
& PHYS 246	and College Physics II Lab (Mason Core)	1		
PHIL 151 or PHIL 309	Introduction to Ethics or Bioethics (Mason Core)	3		
PSYC 100	Basic Concepts in Psychology (Mason Core)	3		

Integrative Studies: 4 Year Plan - Life Sci: Medical (2019 - 2020)

This plan includes all BA degree requirements including: 120 credits, Mason Foundation & Core, 30 credits Integrative Studies courses, Concentration requirements, and 45 upper level credits.

YEAR 1					
Fall: 2019			Spring: 2020		
Credits	Course	Credits	A	B	
6	INTS 101 Narratives of Identity*	6	INTS 102 *	Choose column A or B	INTS 203*
3	ENGH 101 Written Communication*	3	IT 104*		HIST 100 or 125*
3	MATH 110 Intro to Probability*	3	Social/Behavioral*		Understand*
3	Art*	3	Minor or Elective		Minor or Elective
15	Total Credits	15	Total Credits		
YEAR 2					
Fall: 2020			Spring: 2021		
Credits	Course	Credits	Course		
3	CHEM 211 General Chemistry I	3	ENGH 302 Advanced Composition*		
1	CHEM 213 General Chemistry Lab I	4	BIOL 213 Cell Structure and Function		
3	Modeling	3	INTS 3xx/4xx Elective		
3	Psychology	3	Minor or Elective		
4	INTS 3xx/4xx Elective	3	Minor or Elective		
14	Total Credits	16	Total Credits		
YEAR 3					
Fall: 2021			Spring: 2022		
Credits	Course	Credits	Course		
4	CHEM 212 General Chemistry II	3	CHEM 313 Organic Chemistry I		
1	CHEM 214 General Chemistry Lab II	2	CHEM 315 Organic Chemistry Lab I		
4	BIOL 311 General Genetics	3	INTS 3xx/4xx Elective		
3	INTS 3xx/4xx Elective	4	Minor or Elective 3xx/4xx		
3	Minor or Elective	3	Minor or Elective		
15	Total Credits	15	Total Credits		
YEAR 4					
Start BAM Program Fall: 2022			Graduation Spring: 2023		
Credits	Course	Credits	Course		
3	CHEM 314 Organic Chemistry II	4	BIOL 483 General Biochemistry		
2	CHEM 318 Organic Chemistry Lab II	3	PHIL 309 Bioethics		
3	PHYS 243 College Physics I	3	PHYS 245 College Physics II		
1	PHYS 244 College Physics Lab I	1	PHYS 246 College Physics Lab II		
3	INTS 3xx/4xx Elective	4	INTS 3xx/4xx Elective		
3	Minor or Elective				
15	Total Credits	15	Total Credits		
			120	Total Degree Credits	

*Fulfills General Education requirement

This 4 year plan is only ONE example of how to complete a BA in Integrative Studies with a concentration in Life Sciences - Focus: Pre-Medical. Students should meet with an advisor each semester to plan courses and check progress.