

College of Humanities and Social Sciences - School of Integrative Studies
Integrative Studies, BA with Concentration in Life Sciences with Pre dental 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		3		
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 Pre dental Emphasis (43 credits)				
BIOL 103	Introductory Biology I (Mason Core)	4		
BIOL 213	Cell Structure and Function (Mason Core)	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	Organic Chemistry Lab I	2		
CHEM 314	Organic Chemistry II	3		
CHEM 318	Organic Chemistry Lab II	2		
CHEM 463	General Biochemistry I	4		
CHEM 465	Biochemistry Lab	2		
PHYS 103	Physics and Everyday Phenomena I (Mason Core)	4		
or PHYS 243 & PHYS 244	or College Physics I and I Lab (Mason Core)			
PHYS 104	Physics and Everyday Phenomena II (Mason Core)	4		
or PHYS 245 & PHYS 246	or College Physics II and Lab (Mason Core)			
PHIL 151	Introduction to Ethics	3		
or PHIL 309	or Bioethics (Mason Core)			
Degree Notes				
Any remaining credits may be completed with electives to bring degree total to 120 with 45 credits at the 300/400 level.				
Advisor Notes:				

This 4 year plan is only ONE of many paths 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.

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
3	ENGH 101 Written Communication*		3	IT 104*	
3	MATH 110 Intro to Probability*		3	Social/Behavioral*	
3	Art*		3	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*		3	BIOL 107 Intro Bio II Lec (or BIOL 104)*	
3	Modeling		1	BIOL 106 Intro Bio II Lab (or BIOL 104)	
3	Psychology		3	INTS 391 Understanding Integrative Studies	
4	BIOL 103 Introductory Biology I		3	Minor or 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	Function		3	INTS 3xx/4xx Elective	
3	INTS 3xx/4xx Elective		4	INTS 3xx/4xx Elective	
3	Minor or Elective		4	BIOL 311 General Genetics	
15	Total Credits		16	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	
			121	Total Degree Credits	

*Fulfills General Education requirement

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.