

BIOINFORMATICS with Molecular Genetics Option—BS Program

Study Abroad Pathway—Option 1

(last revised September 2016)

Table 1a: Undergraduate Program Schedule

These undergraduate program schedules are subject to change.

Please verify information with your academic advisor and/or School representative before planning your study abroad trip.

Term: Fall 1		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-121 Introductory Biology I	4		4			
CHMG-141 G&A Chemistry I LAS-P5	3	3				
CHMG-145 G&A Chemistry I lab LAS-P5	1	1				
BIOL-130 Intro to Bioinformatics	3		3			
LAS Elective	3	3				
Term credit total:	14	7	7			
Term: Fall 2		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-201 Cell & Molecular Biology	4		4		BIOL-122	
CSCI-141 Computer Science I	4	4				
CHMO-231 Organic Chemistry I	3	3			CHMG-142	
CHMG-235 Organic Chemistry I Lab	1	1				
LAS-P1	3	3				
Term credit total:	15	11	4			
Term: Fall 3		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
ISTE-230 Intro to DB and Data Model	3		3		CSCI-142	
LAS-P3	3	3				
BIOL-330 Bioinformatics	3		3		BIOL-201	
CSCI-243 The Mech of Programming	3		3		CSCI-142	
BIOL-470 Stat Analy for Bioinfo	3	3			MATH-173 or MATH-182 and MATH-190 or MATH-200 and STAT-145	
Term credit total:	15	6	9			
Term: Summer 3		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-499 Co-op	0		0		N/A	
Term credit total:	0		0			

Term: Spring 1		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-122 Introductory Biology II	4		4		BIOL-121	
CHMG-142 G&A Chemistry II LAS-P6	3	3			CHMG-141	
CHMG-146 G&A Chemistry II lab LAS-P6	1	1			CHMG-145	
MATH-161 Applied Calculus LAS-P7a	4	4				
First Year Writing LAS-Foundation	3	3				
Term credit total:	15	11	4			
Term: Spring 2		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-321 Genetics	3		3		BIOL-201	
CSCI-142 Computer Science II	4	4			CSCI-141	
CHMO-232 Organic Chemistry II	3	3			CHMO-231	
CHMO-236 Organic Chemistry II Lab	1	1			CHMO-235	
LAS-P2	3	3				
STAT-145 Intro to Statistics I LAS-P7b	3	3				
Term credit total:	17	14	3			
Term: Spring 3		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-450 Genetic Engineering (WI)	5		5		BIOL-201	
BIOL-230 Bioinformatics Languages	3		3		CSCI-142	
LAS-I1	3	3				
Mol Biosc & Biotech Elective	4		4			
LAS-I2	3	3				
Term credit total:	18	6	12			

Term: Fall 4		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
BIOL-425 Ethics in Bioinformatics	3		3		BIOL-201	
CHMB-402 Biochemistry I	3		3		CHMO-231	
BIOL-340 Genomics	3		3		BIOL-201	
Immersion LAS-I3	3	3				
BIOL 3/4XX Mol Biosc & Biotech Elective	4		4		BIOL-201	
Term credit total:	16	3	13			

Term: Spring 4—DANISH INTERNATIONAL STUDY PROGRAM		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
Epigenetics & the Environment [Mol Biosc & Biotech Elective]	3		3		BIOL-201	
Open Elective	3				BIOL-201	
Danish Language and Culture [LAS-P4]	3	3				
Open Elective	3					
Open Elective	3					
Term credit total:	16	3	3			

Program Totals:	Credits: 125	Liberal Arts & Sciences: 61	Major: 55	Elective & Other: 9
------------------------	---------------------	--	------------------	--------------------------------