

BIOINFORMATICS-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, Intro Bio I	4		4			
BIOL-130, Intro to Bioinformatics	3		3			
CSCI-141, Computer Science I	4	4				
LAS-P1	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 and Molecular Biology	4		4		BIOL-122	
LAS-P2	3	3				
MATH-190, Discrete Math (LAS-P7b)	3	3				
CHMG-141, G&A Chem I (LAS-P5)	3	3				
CHMG-145, G&A Chem I Lab (LAS-P5)	1	1				
CSCI-243, The Mech of Programming	3		3		CSCI-142	
Term credit total:	17	10	7			
Term: Fall 3		Check course classification (s)				
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	
CSCI-251, Concepts of Parallel and Dist Sys	3		3	3	CSCI-243	
Immersion LAS-I2	3	3				
BIOL-330, Bioinformatics	3		3		BIOL-201	
CHMO-231, Organic Chem I	3	3			CHMG-142,146	
CHMO-235, Organic Chem I Lab	1	1				
ISTE-230, Intro to DB and Data Model	3		3		CSCI-142	
Term credit total:	16	7	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, Intro Bio II	4		4		BIOL-121	
CSCI-142, Computer Science II	4	4			CSCI-141	
Foundation Writing LAS-Foundation	3	3				
MATH-161, Applied Calculus (LAS-P7a)	4	4				
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	
LAS-P3	3	3				
STAT-145, Intro to Statistics I	3	3				
CHMG-142, G&A Chem II (LAS-P6)	3	3			CHMG-141	
CHMG-146, G&A Chem II Lab (LAS-P6)	1	1			CHMG-145	
Immersion LAS-I1	3	3				
Term credit total:	16	13	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, Bioinfo Languages	3		3		CSCI-142	
BIOL-494, Molec Model and Proteomics	3		3		BIOL-330	
Immersion LAS-I3	3	3				
Term credit total:	14	3	8			

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
BIOL-470, Stat Analysis for Bioinformatics	3	3			MATH-173 or MATH-182 and MATH-190 or MATH-200 and STAT-145
BIOL-430, Bioinformatics Algorithms	3		3		BIOL-330
Term credit total:	15	3	12		

Term: Spring 4—STUDY ABROAD		Check course classification (s)			
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
Open elective	3				
Open elective	3				
Open elective	3				
LAS-P4	4	4			
LAS Elective	3	3			
Term credit total:	16	7	0		

Program Totals:	Credits: 123	Liberal Arts & Sciences: 60	Major: 53	Elective & Other: 9
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