

IMAGING SCIENCE—BS
Study Abroad Pathway
(last revised September 2016)

Table 1a: Academic Program Schedule

Undergraduate program schedules are subject to change.

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

Term: FALL 1		Check course classification (s)			
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
COS-IMGS-181 Innovative Freshman Experience I	3		3		Permission of instructor
CIAS-SOFA-103 Introduction to Imaging and Video Systems (G1)	3	3			DIGCIMS-BS or IMGS-BS or SCIMGS-IM
COS-MATH-181 Project-Based Calculus I (P7a)	4	4			
CLA-UWRT-150 FYW: Writing Seminar (F2)	3	3			
Liberal Arts & Sciences (P1)	3	3			
Year One	0	0			
Term credit total:	16	13	3		
Term: FALL 2 –STUDY ABROAD *		Check course classification (s)			
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
COS-IMGS-180 Introduction to Computing and Control	3		3		IMGS-BS or DIGCIME-BS Major students.
COS-MATH-221 Multivariable and Vector Calculus (G3)	4	4			COS-MATH-182
COS-PHYS-212 University Physics II (P6)	4	4			COS-PHYS-211
Liberal Arts & Sciences (P2)	3	3			
Term credit total:	14	11	3		
Term: SPRING 1		(Check course classification (s))			
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
COS-IMGS-182 Innovative Freshman Experience II	3		3		COS-MATH-171/181 or permission of instructor
COS-IMGS-221 Vision and Psychophysics (G2)	3	3			SOFA-103 or equivalent
COS-MATH-182 Project-Based Calculus II (P7b)	4	4			COS-MATH-181
COS-PHYS-211 University Physics I (P5)	4	4			COS-MATH-181
General Education Elective (F1)	3	3			
Term credit total:	17	14	3		
Term: SPRING 2		(Check course classification (s))			
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
COS-IMGS-211 Probability & Statistics for Imaging	3		3		COS-MATH-221
COS-IMGS-351 Fundamentals of Color Science (G4)	3	3			COS-IMGS-180 COS-IMGS-221
COS-IMGS-261 Linear and Fourier Methods for Imaging (G5)	4	4			COS-MATH-173 or MATH 182 or MATH 182A
COS-PHYS-213 Modern Physics I (G6)	3	3			COS-MATH-182
Liberal Arts & Sciences (P3)	3	3			
Term credit total:	16	13	3		

Term: FALL 3						Term: SPRING 3					
Check course classification (s)						Check course classification (s)					
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
COS-IMGS-321 Geometric Optics	3		3		COS-PHYS-212	COS-IMGS-322 Physical Optics	3		3		COS-PHYS-212, COS-IMGS-261
COS-IMGS-251 Radiometry	3		3		COS-MATH-173, MATH-182, MATH- 182A, COS-PHYS-212	COS-IMGS-341 Interactions Between Light & Matter	3		3		COS-PHYS-213
COS-IMGS-361 Image Processing & Computer Vision I	3		3		COS-IMGS-261, COS- IMGS-180 or equivalent	COS-IMGS-362 Image Processing & Computer Vision II	3		3		COS-IMGS-361
Open Elective (1)	3					Open Elective (2)	3				
Liberal Arts & Sciences (P4)	3	3				Liberal Arts & Science (I1)	3	3			
Term credit total:	15	3	9			Term credit total:	15	3	9		
Term: FALL 4						Term: SPRING 4					
Check course classification (s)						Check course classification (s)					
Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)	Course Number & Title	CR	LAS	Maj	New	Prerequisite(s)
COS-IMGS-441 Noise & System Modeling	3		3		COS-IMGS-211, COS- IMGS-261, COS-IMGS- 341	COS-IMGS-451 Imaging Detectors	3		3		COS-IMGS251, COS-IMGS341 or equivalent
IMGS-371 Imaging Systems Analysis	4		4		Co-requisite IMGS-502	General Education Elective (G7)	3	3			
COS-IMGS-502 Imaging Science Senior Project I (WI)	3		3		Permission of instructor	COS-IMGS-503 Imaging Science Senior Project II	3		3		Permission of instructor
Imaging Science Elective Track / Course 1	3		3			Imaging Science Elective Track / Course 2	3		3		
Liberal Arts & Sciences (I2)	3	3				Liberal Arts & Sciences (I3)	3	3			
Term credit total:	16	3	13			Term credit total:	15	6	9		
Program Totals:		Credits: 124		Liberal Arts & Sciences: 66		Major: 52		Elective & Other: 6			

Cr: credits **LAS:** liberal arts & sciences **Maj:** major requirement **New:** new course **Prerequisite(s):** list prerequisite(s) for the noted courses

*Students choosing a Study Abroad in this term will need to find equivalent courses in a university in the host country to complete academic requirements while abroad. Students may choose to pursue a study abroad in another term, including summer, based on their academic and career objectives in consultation with their advisor and program coordinator.