

STUDY ABROAD AT CHINESE UNIVERSITY OF HONG KONG ELECTRICAL CONCENTRATION

- The table below shows the modified curriculum for the junior and senior years. Shaded cells show the changes in the course sequence.
- In this recommended course of study, the study abroad semester is the first semester of the junior year.
- The standard curriculum is used for the freshman and sophomore years and for the second semester of the senior year.
- Equivalents of EEN305, BME335, and BME375, and two PS/HA electives, are taken at Chinese University of Hong Kong. All other courses remain the same, but are taken in a slightly different sequence.

Junior Year:					
ELEG2110	Electronic Circuits (Equivalent of EEN 305)	3	IEN 311	Applied Probability & Statistics	3
EMB2210	Orthopaedic Biomechanics and Musculoskeletal Injury (Equivalent of BME375)	3	EEN 304	Logic Design	3
EMB3430	Biomaterials and Tissue Engineering (Equivalent of BME335)	3	EEN 307	Linear Circuits & Signals	3
	People and Society Elective*	3	BME 330	Foundations of Medical Imaging	3
	Humanities and Arts Elective*	3	BME 440	Biomedical Measurements	4
			BME 401	Senior Project I	1
			BME 311	Matlab for Biomedical Engineers	1
UM Equivalent Total		15	Total		18

Senior Year:					
BME402	Senior Project II	2	BME403	Senior Project III	3
BME 480	Biomedical Instrumentation	3	BME 540	Computer Based Medical Instrumentation	3
BME 570	Introduction to Biosignal Processing	3	BME 541	Medical Electronics Systems Laboratory	2
BME 507	LabView Applications for Biomedical Engineering	1	BME 560	Biomedical Transport Phenomena	3
	Technical Elective**	3		Technical Elective**	3
	Advanced PS/HA Elective*	3		Advanced PS/HA Elective*	3
EEN 315	Digital Design Laboratory	1			
Total		16	Total		17

* To be selected from approved lists

STUDY ABROAD AT CHINESE UNIVERSITY OF HONG KONG MECHANICAL CONCENTRATION

- The table below shows the modified curriculum for the junior and senior years. Shaded cells show the changes in the course sequence.
- In this recommended course of study, the study abroad semester is the first semester of the junior year.
- The standard curriculum is used for the freshman and sophomore years and for the second semester of the senior year.
- Equivalents of EEN307, BME335, and BME375, and two PS/HA electives, are taken at Chinese University of Hong Kong. All other courses remain the same, but are taken in a slightly different sequence.

Junior Year:					
ENGG2030	Signals and Systems (Equivalent of EEN 307)	3	MAE 207	Mechanics of Solids II	3
EMB2210	Orthopaedic Biomechanics and Muskuloskeletal Injury (Equivalent of BME375)	3	IEN311	Applied Probability & Statistics	3
EMB3430	Biomaterials and Tissue Engineering (Equivalent of BME335)	3	BME 330	Foundations of Medical Imaging	3
	People and Society Elective*	3	BME 440	Biomedical measurements	4
	Humanities and Arts Elective*	3	BME 460	Physiologic Fluid Mechanics	3
			BME 311	Matlab for Biomedical Engineers	1
			BME 401	Senior Project I	1
UM Equivalent Total		15	Total		18

Senior Year:					
BME 402	Senior Project II	2	BME 403	Senior Project III	3
BME480	Biomedical Instrumentation	3	BME 560	Biomedical Transport Phenomena	3
BME 570	Intro. to Biosignal Processing	3	BME 575	Biomechanics II	3
	Technical Elective**	3	BME 587	Finite Element Analysis for Engineers	3
	Advanced PS/HA Elective	3		Technical Elective**	3
BME 506	ProEngineer Applications for BME	1		Advanced PS/HA Elective	3
Total		15	Total		18

* To be selected from approved lists

STUDY ABROAD AT CHINESE UNIVERSITY OF HONG KONG PREMED CONCENTRATION

- The table below shows the modified curriculum for the sophomore, junior, and senior years. Shaded cells show the changes in the course sequence.
- In this recommended course of study, the study abroad semester is the first semester of the junior year.
- The standard curriculum is used for the freshman year, the first semester of the sophomore year, and the second semester of the senior year.
- Equivalents of EEN307, BME335 and BME375, and two PS/HA electives, are taken at Chinese University of Hong Kong. All other courses remain the same, but are taken in a slightly different sequence.

Sophomore Year:					
MTH 311	Ordinary Differential Equations	3	BIL 215	Systemic Human Physiology	3
CHM 112	Principles of Chemistry II	3	BIL 216	Physiology Lab	1
CHM 114	Chemistry Laboratory II	1	PHY 209	University Physics Lab III	1
PHY 207	University Physics III	3	EEN 118	Introduction to Programming	3
BIL 150	General Biology	4	CAE 210	Mechanics of Solids	3
BIL 151	General Biology Lab	1	BME 310	Mathematical Analysis in BME	3
EEN 201	Electrical Circuit Theory	3	CHM 201	Organic Chemistry I (Lecture)	3
			CHM 205	Organic Chemistry Laboratory I	1
		Total	18		
				Total	18

Junior Year:					
ENGG2030	Signals and Systems (Equivalent of EEN 307)	3	BMB 258	Introduction to Biochemistry & Molecular Biology	3
EMB2210	Orthopaedic Biomechanics and Musculoskeletal Injury (Equivalent of BME375)	3	CHM 202	Organic Chemistry II (Lecture)	3
EMB3430	Biomaterials and Tissue Engineering (Equivalent of BME335)	3	CHM 206	Organic Chemistry Laboratory II	1
	People and Society Elective*	3	IEN 311	Applied Probability & Statistics	3
	Humanities and Arts Elective*	3	BME 401	Senior Project I	1
			EEN 204	Electrical Circuits Lab	1
			BME 311	Matlab for Biomedical Engineers	1
				Humanities and Arts Elective	3
		UM Equivalent Total	15		
				Total	16

Senior Year:					
BME 402	Senior Project II	2	BME 403	Senior Project III	3
BME 440	Biomedical Measurements	4	BME 480	Biomedical Instrumentation	3
BME 570	Intro. to Biosignal Processing	3	BME 560	Biomedical Transport Phenomena	3
	Technical Elective	3		Technical Elective	3
	Advanced PS/HA Elective	3		Technical Elective	1
BME 330	Foundations of Medical Imaging	3		Advanced PS/HA Elective	3
		Total	18		
				Total	16

*To be selected from approved lists