

## Bachelor of Science in Computer Engineering Technology (BCOT) 2012/13

Year	Fall 2012					Spring 2013					Summer 2013				
Freshman	Course		R	L	C	Course		R	L	C	Optional Co-op Work Term COOP3000				
	ELEC1000	Introduction to Engineering & Technology	2	4	4	COMP1099	Computer Science I Using C	3	2	4					
	ELEC1100	Circuit Theory I	3	2	4	ELEC1600	Electronic Design I	1	4	3					
	ENGL1100	English I	4	0	4	ELEC1500	Circuit Theory II	3	2	4					
	MATH1000	College Math 1	4	0	4	ENGL2200	English II	3	0	3					
	FYS100	First Year Seminar	0	0	0	MATH1500	Precalculus	3	2	4					
Total:					16	Total:					18				
Year	Fall 2013					Spring 2014					Summer 2014				
Sophomore	Course		R	L	C	Course		R	L	C	Optional Co-op Work Term COOP3000				
	ELEC2000	Semiconductor Devices	3	2	4	ELEC2600	Digital Applications	4	0	4					
	ELEC2100	Logic Circuits	3	2	4	ELEC2700	Integrated Circuits with App.	3	2	4					
	ELECTIVE	Sophomore Social Science	3	0	3	ELECTIVE	Sophomore Social Science	3	0	3					
	MATH1700	Calculus I	4	0	4	MATH1800	Calculus II	4	0	4					
	PHYS1000	College Physics I	3	2	4	PHYS1500	College Physics II	3	2	4					
Total:					19	Total:					19				
Year	Fall 2014					Spring 2015					Summer 2015				
Junior	Course		R	L	C	Co-op Work Term I					Course		R	L	C
	COMM3120	Technical Communications	3	0	3	Co-op Work Term I					ELEC3450	Microcontrollers and Embedded Computer Systems	3	2	4
	ELEC3000	Object Oriented Programming for Electronics	3	2	4						ELEC3750	Computer Systems Architecture	3	2	4
	ELEC3100	Data Communications	3	2	4						ELEC3675	Linear Network Analysis	3	2	4
	ELECTIVE	Technical Elective	3	0	3						ELEC3575	Computer Communication and Networks	3	2	4
	MATH2000	Calculus III	4	0	4										
Total:					18						Total:				
Year	Fall 2015					Spring 2016					Summer 2016				
Senior	Co-op Work Term II COOP4500					Course		R	L	C	Course		R	L	C
	Co-op Work Term II COOP4500					COMP4499	Introduction To Operating Systems	2	2	3	ELEC4425	Advanced Programmable Logic	3	2	3
						ELEC4200	Digital Control Systems	3	2	4	ELEC4450	Digital Communication Systems	3	2	4
						ELEC4225	Introduction To Digital Signal Processing	3	2	4	ELEC5000	Senior Design Project	1	6	4
						ELECTIVE	Humanities or Social Science	4	0	4	ELECTIVE	Humanities or Social Science	4	0	4
						ELECTIVE	Humanities or Social Science	4	0	4					
Total:						19	Total:					15			
Total: 140															

To complete the Humanities and Social Science graduation requirement, students must take at least: one course in Humanities and one course in the Social Sciences. The remaining courses may be from either Humanities or Social Sciences category.