## SFU Engineering Science — **ELECTRONICS OPTION**2012/04

YEAR 1						
TERM 1, FALL		TERM 2, SPRING				SUMMER
CHEM 121-4 CMPT 128-3 ENSC 100W-3 ENSC 101W-1 MATH 151-3 PHYS 120-3			ENSC 102-1 ENSC 150-3 MATH 152-3 MATH 232-3 PHYS 121-3 PHYS 131-2 Cmpl I		m, Style, & Professional Genres to to Computer Design rulus II mentary Linear Algebra cs, Electricity, & Magnetism reral Physics Lab to Complementary Elective	
YEAR 2						
ECON 103-4 Principles of Microeconomics ENSC 215-3 Microcontroller/Assembly Programming ENSC 220-3 Electronic Circuits I MATH 251-3 Calculus III MATH 310-3 Differential Equations STAT 270-3 Intro to Probability & Statistics		SPRING Co-op Term		TERM 4, SUMMER  ENSC 204-1 Graphical Communication for Engineering  ENSC 224-3 Electronic Devices  ENSC 225-4 Microelectronics  ENSC 250-3 Intro to Computer Architecture  ENSC 320-3 Electric Circuits II  MATH 254-3 Vector & Complex Analysis		
YEAR 3	•					
FALL Co-op Term	TERM 5, SPRING  ENSC 304-1 Human Factors & Usability Engineering ENSC 330-4 Engineering Materials Digital Systems Design ENSC 351-4 Real Time & Embedde Systems ENSC 380-3 Linear Systems PHYS 321-3 Intermediate Electricity Magnetism	ed	SUMMI Co-op Term	ER	TERM 6, FALL  ENSC 325-4 Microelectronic Communication Feedback Control PHYS 421-3 Electromagnetic Conscience Electromagnetic Control Electronic Control	Systems ol Systems waves
YEAR 4						
TERM 7, SPRING		SUMMER		TERM 8, FALL		
ENSC 305-1 ENSC 406-2 ENSC 440-4 MACM 316-3 ENSC 4XX-4 ENSC 4XX-4	· · · · · · · · · · · · · · · · · · ·				ENSC 201-3 Cmpl II ENSC 4XX-4 ENSC 4XX-4 ENSC 4XX-4 ENSC 4XX-4 ENSC 4XX-4 ENSC 4XX-4 Fifth Engineering Science Elective (non-honors students only) E-Tech I Technical Elective (honors students only)	

Additional Requirements for Honors: ENSC 498-3 Engineering Science Thesis Proposal ENSC 499-9 Engineering Science Undergraduate Thesis