SFU Engineering Science – **SYSTEMS OPTION** 2012/04

YEAR 1				
TERM 1, FAI	LL	TERM 2, SP	PRING	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		
YEAR 2				
TERM 3, FAI ECON 103-4 ENSC 215-3 ENSC 220-3 MACM 101-3 MATH 251-3 MATH 310-3 YEAR 3	Principles of Microeconomics Microcontroller/Assembly Programming Electronic Circuits I Discrete Mathematics I Calculus III Intro to Ord. Differential Equations	SPRING Co-op Term	TERM 4, SUMMER CMPT 225-3 Data Structures & Programmer Summer Su	ttion for hitecture y& Magnetism
FALL Co-op Term	ENSC 230-4 Intro to Mechanical Design ENSC 304-1 Human Factors & Usability Engineering ENSC 320-3 Electrical Circuits II ENSC 330-3 Engineering Materials ENSC 351-4 Real Time & Embedde Systems ENSC 380-3 Linear Systems	SUMM Co-op Term	ENSC 325-4 Microelectronics ENSC 383-4 Feedback Contro ENSC 387-4 Intro to Electron Sensors & Actua Cmpl II Second Complete Elective Scie I Science Elective	ol Systems nechanical ators mentary
YEAR 4				
TERM 7, SPRING		SUMMER TERM 8, FALL		
	Project Documentation & Team Dynamics Social Responsibility and Professional Practice Capstone Engineering Science Project Modern Control Systems Numerical Analysis I First Engineering Science Elective		ENSC 201-3 The Business of Engin ENSC 488-4 Intro to Robotics ENSC 489-4 Computer Aided Desig Manufacturing ENSC 4XX-4 Second Engineering Se	gn &

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