



Electrical and  
Computer  
Engineering

ECE Second-year  
Tools and Parts Kit

Student Name: \_\_\_\_\_

E-mail: \_\_\_\_\_



**a place of mind**

**THE UNIVERSITY OF BRITISH COLUMBIA**

List of items included in the ECE Second-year Tools and Parts Laboratory Kit:

Table 1

Item #	Quantity	Manufacturer	Manufacturer Part Number	Description
1	2	RP Electronics	MB-102	Breadboard, 95x183mm, 830 Holes
2	1	RP Electronics	PC-102	Solderable Breadboard - 54 x 166mm, 830points
3	1	RP Electronics	CT-160	Wire Stripper
4	1	RP Electronics	ST-2	Long Nose Pliers
5	1	RP Electronics	RP-DRIVER	Pocket Screwdriver - Phillips #0 YELLOW
6	1	RP Electronics	CT-140	Shear Cutter 5"
7	3	RP Electronics	150-310W	HOLDER BATTERY 1CELL AA 6"LEAD
8	1	CUI Inc.	PJ-102A	CONN PWR JACK 2X5.5MM SOLDER
9	1	RP Electronics	370-213-2	Red & Black Banana plugs
10	1	RP Electronics	33-412-1	Red Alligator clip
11	1	RP Electronics	33-411-1	Black Alligator clip
12	10	AVX Corporation	SR205C104JAA	CAP CER 0.1UF 50V 5% RADIAL
13	2	Panasonic Electronic Components	ECA-1VM221	CAP ALUM 220UF 35V 20% RADIAL
14	2	Nichicon	UHE1E101MED	CAP ALUM 100UF 20% 25V RADIAL
15	2	Nichicon	UVR1E102MPD	CAP ALUM 1000UF 20% 25V RADIAL
16	2	Nichicon	UVR1E100MDD6TP	CAP ALUM 10UF 20% 25V RADIAL
17	3	Bourns Inc.	RLB1014-104KL	INDUCTOR 100MH T/H RADIAL
18	3	Texas Instruments	TL081CP	IC OPAMP JFET 3MHZ 8DIP
19	2	RP Electronics	LM358N-8	IC - Op Amp - Dual 8-Dip
20	3	Fairchild Semiconductor	LM555CN	IC OSC SINGLE TIMER 8-DIP
21	1	Murata Electronics North America	PV36W104C01B00	TRIMMER 100K OHM 0.5W TH
22	1	STMicroelectronics	L7805CV	IC REG LDO 5V 1.5A TO220AB
23	5	Micro Commercial Co	2N3906-AP	TRANSISTOR PNP GP 40V TO92
24	5	Micro Commercial Co	2N3904-AP	TRANSISTOR NPN GP 40V TO92
25	4	ON Semiconductor	NTD2955-1G	MOSFET P-CH 60V 12A IPAK
26	4	ON Semiconductor	NTD3055L104-1G	MOSFET N-CH 60V 12A IPAK
27	10	RP Electronics	1N4148-10	1N4148 - Diode Signal
28	5	RP Electronics	1N4742A-5	1N4742A - Zener Diode 12V 1W
29	10	RP Electronics	1N4007-10	1N4007 - Diode 1A 1000V
30	10	MODE ELECTRONICS LTD.	55-532HB	LED 3MM 660NM RED WTR CLR LOW CUR
31	2	RP Electronics	ICSM-8	DIP SOCKET, 8POS, VERTICAL THD, 2.54MM
32	1	RP Electronics	GB-401	Resistor Kit, 10pcs of ea: 10, 51, 100, 1k, 2k, 3k, 3.9k, 5.1k, 10k, 100k
33	1	Uline	S-7022	Safety Glasses over prescription Glasses
34	1	RP Electronics	10-HS22K6-25	Wire kit in dispenser
35	1	RP Electronics	SR-350	SOLDER PACK LEAD FREE
36	1	CTS Electrocomponents	206-4	SWITCH SLIDE DIP SPST 50MA 24V
37	2	Panasonic Electronic Components	EVQ-11U04M	SWITCH TACTILE SPST-NO 0.02A 15V
38	4	Texas Instruments	SN74HC00N	IC GATE NAND 4CH 2-INP 14-DIP
39	2	Texas Instruments	SN74HC04N	IC HEX INVERTER 14-DIP
40	1	RP Electronics	150-901	STRAP BATT ECON 9V I STYLE 4"LD
41	1	Duracell	PC1604-1	9V Industrial Alkalne Battery