

Student Parts Purchase Form

EEC 417/517 – Spring 2019

Student Name (Print) _____

CSU Student ID _____

- Course Account Number: **0070-0010-0630-01**
- The Cashier's Office is located in the Main Classroom Building in Room 115

Each student must have or purchase the parts listed in kits A and B below. If you already have some of the components in the kits, you may purchase individual components at the prices listed. Kits A and B become the permanent property of the student.

Kit C will be loaned to the student and must be returned at the end of the semester. You must return Kit C and pay for any missing or broken parts by the date of the Final Exam at the end of the semester, **otherwise you will receive an "Incomplete" and the Registrar will be notified and a "hold" will be placed on your transcript.** You may purchase Kit C if you wish by paying the total shown below at the Cashier's Office.

Make sure you choose only the kits or parts you need. **All purchases are final – there is no provision for returning parts.**

In order to purchase parts, download a copy of this Student Parts Purchase Form from the [Parts](#) folder on the course website. Fill out the form on this page and the next with the parts you want to buy, then determine the cost of the parts and pay that amount to the Cashier's Office to

Account Number 0070-0010-0630-01.

You must have this number with you. The Cashier has no information about this number, which parts are used in the course, or the cost of parts. The Cashier's Office is in the Main Classroom Building in Room 115. Give this form and one of the Cashier's receipts to the TA to receive your parts.

If you want to purchase Kit C, or any parts from Kit C during the semester, fill out the form below, pay the Cashier, and bring the receipt to the TA.

Account number to purchase parts: 0070-0010-0630-01

Kit A: Microprocessor Development Kit				
Item	Part	Price	Quantity	Amount
1	PICkit 3 In-Circuit Debugger (Kit # PG164130)	39.00		
2	PIC16F877-04/P (4 MHz) Microcontroller	8.00		
3	6-pin male to male jumper cable (6")	4.00		
4	AC/DC power supply (9 VDC, unregulated, 1000 mA)	10.00		
5	DC Barrel Jack to Breadboard Adapter	2.00		
	Complete Kit	63.00		
			Total	

Kit B: Equipment Kit				
Item	Part	Price	Quantity	Amount
1	Breadboard (1280 tie points)	16.00		
2	Wire (2 rolls @ \$3.00 each)	6.00		
3	Wire cutter/stripper	7.00		
4	Multimeter	10.00		
	Complete Kit	39.00		
			Total	

Kit C: Loaned Kit				
Item	Part	Price	Quantity	Amount
	Complete Kit	85.75		
	(Do not pay for this kit unless you intend to keep it)		Total	

Grand Total _____

Kit C is **loaned to the student** and must be returned at the end of the semester. You must return Kit C and pay for any missing or broken parts by the date of the Final Exam at the end of the semester, otherwise you will receive an "Incomplete," the Registrar will be notified, and a "hold" will be placed on your transcript. You may purchase Kit C if you wish by paying the total shown below at the Cashier's Office.

Kit C: Loaned Kit (Return at end of semester)					
Item #	Part	Unit Price	Total Price	Quantity	Amount
1	Plano 3750 Utility Box	8.00	8.00		
2	1N4003 diodes (5)	0.10	0.50		
3	LM7805 voltage regulator	1.00	1.00		
4	RS232 Transceiver Chip (Maxim MAX202)	4.00	4.00		
5	SN74164, 8-Bit Serial Shift Register (DIP 14)	3.00	3.00		
6	Crystal oscillator - 3.6864 MHz- 5.0V	3.00	3.00		
7	LEDs, red(8)	0.30	2.40		
8	LEDs, green (2)	0.50	1.00		
9	LED 7-Segment, 2 digit, red, common anode display	4.00	4.00		
10	1 k ohm potentiometer	2.00	2.00		
11	10 k ohm resistors (7)	0.05	0.35		
12	100 ohm resistors (4)	0.05	0.20		
13	470 ohm resistors (5)	0.04	0.20		
14	470 ohm array of 8 resistors (DIP 16)	1.00	1.00		
15	3.3 k ohm resistors (4)	0.05	0.20		
16	1 k ohm resistors (2)	0.05	0.10		
17	47 uF capacitor	0.50	0.50		
18	0.1 uF capacitors (6)	0.20	1.20		
19	0.01 uF capacitor	0.10	0.10		
20	9 volt battery snap	0.50	0.50		
21	9-Pin Serial Cable (Female / Female)	5.00	5.00		
22	Grayhill 96AB2 keypad	19.00	19.00		
23	24LC01B EEPROM (Microchip)	0.50	0.50		
24	5 Volt unipolar two-phase step motor	9.00	9.00		
25	Darlington transistors (4)	1.50	6.00		
26	Pushbutton switches (3)	0.50	1.50		
27	Mini-hook Jumpers (2)	5.25	10.50		
28	5-pin M/M header	1.00	1.00		
	Total		85.75		