

Additional & Alternative Parts for ECE 2100 – Fall 2020

	Part	Quantity	Comment	Independent acquisition
1	LED	~10-15	Available in UG Lab (S-385), to be distributed by the TA. Used in many Labs.	Inexpensive, box of 100, 150 assorted colors for under \$8. Example link
2	Capacitor, 16-V bipolar, 470 uF	1	Available in UG Lab (S-385), to be distributed by the TA. Lab 5 optional.	\$1.05 each (without shipping cost) Example link
3	Op amp	1-2	Substitute for LM741. Use ± 5 V instead of ± 15 (or 12) V, which is more difficult to have at home than ± 5 V. In addition, these op amps are better than LM741 in terms of BW (>100 MHz vs. 1 MHz) and noise. Instructor-TA's circuits in Labs 4-6 used these in the past for class demo (instead of LM741).	\$8.21 each for AD8010ANZ. Example link
4	1-kOhm 2% resistors	3-7	Available in UG Lab (S-385), to be distributed by the TA. Lab 3.	\$0.82 for 10. Example link
5	2-kOhm 2% resistors	4-9	Available in UG Lab (S-385), to be distributed by the TA. Lab 3.	\$0.10/each. Example link
For home electronics (hobby)				
6	Wire cutter/ stripper	1	Or purchase a set. These are for general household use as well	
7	needle nose plier	1	This can be a part of a set, good for general household use	
8	Soldering iron	1	not used in ECE 2100, but can be handy for home electronics or household repairs	