Materials that you may consider purchasing. Will help in this and other courses in the EE program (sorted in order of importance)

- Solderless Breadboard
- Jumper wires
- Cutting / Stripping tool
- Tool box to carry equipment
- Set of Resistors
- Soldering iron
- …

Where to purchase them?
Online distributors. Example:

- Jameco (www.jameco.com)
- Electronics Express (http://www.elexp.com)
- Other..
Solderless Breadboard: Allows building and modifying circuits

Electronic Express: [http://www.elexp.com/bb_104.htm](http://www.elexp.com/bb_104.htm)

Jameco: Electronic Design → Prototyping Systems → Solderless boards

[http://www.jameco.com/webapp/wcs/stores/servlet/CategoryDisplay?langId=-1&storeId=10001&catalogId=10001&categoryId=652050&sort=n&pag_number=3](http://www.jameco.com/webapp/wcs/stores/servlet/CategoryDisplay?langId=-1&storeId=10001&catalogId=10001&categoryId=652050&sort=n&pag_number=3)

**Breadboards / Solderless: (Electronics Express)**

Best choices: H or I

WITH WIRE KIT
Wire jumpers Kit: Interconnection on Board

Wire and Cable → Assortments → Jumper Cables

http://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=19289

or

http://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=20079

If purchasing from Electronics Express, buy the jumper cables together with the solderless board
Cable Strippers: Cut cable and strip plastic cover

Electronic Express: [http://www.elexp.com/tol_0220.htm](http://www.elexp.com/tol_0220.htm) or similar

Jameco: Test, Tools & Supplies → Tools → Hand Tools, Strippers

http://www.jameco.com/webapp/wcs/stores/servlet/CategoryDisplay?storeId=10001&catalogId=10001&langId=-1&categoryId=601050

Also add a small screwdriver

Tool box to carry board, tools, etc: Walmart, Kmart, etc…
**Resistors Kit:** Several resistances standard values
Buy ¼ W or ½ W (1/8 W are too small)

**Electronics Express:**  [http://www.elexp.com/cmp_2501.htm](http://www.elexp.com/cmp_2501.htm)

**Jameco:**  
[http://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&pa=103165CH&productId=103165](http://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&pa=103165CH&productId=103165)

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**Soldering Iron:** There is no need to solder in this course, nor in the majority of courses you will take.

Purchase for your own personal interest
It will help with small repairs

Use a soldering iron with temperature control and thin tips

Do not waste your money on cheaper models. Not versatile enough

**Accessories needed:** Solder rolls and desoldering braids
Example: Jameco product # 229673CH

http://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=229673

Example: Electronics Express
http://www.elexp.com/sdr_y379.htm