

ECE4416

Existing equipment in ECE 4416 Project Room (SEB3114)

- Variable power supplies
- Function generators
- Digital volt meters
- Oscilloscopes
- Soldering irons
- Computers with network access

Equipment available for short term loan to be used in ECE 4416 room only

- Stanford high frequency(30Mhz) function generator
- Tektronix arbitrary waveform generator
- Tektronix TDS3014B 100Mhz 4 channel oscilloscope with floppy drive storage

Equipment available for loan

Note: do not solder to this equipment, if you need connections to these items please see the Electronics Shop staff for assistance.

Motorola

- Microcontroller trainer board (similar to board used in ECE 3375) with MC9S12DP256, PIC16F877A or PIC18F452 targets
http://www.eng.uwo.ca/electrical/pdf/eshop/HC12_PicBoard.pdf
- Motorola MC9S12NE64(ethernet on chip) full evaluation board:
http://www.freescale.com/webapp/sps/site/prod_summary.jsp?code=S12NE&webpageId=M0zGQK100&nodeId=0162468636K100&fromPage=tax
- Motorola MC9S12NE64(ethernet on chip) demo unit:
http://www.freescale.com/webapp/sps/site/prod_summary.jsp?code=DEMO9S12NE64&fsrch=1

Microchip

- Microchip DV164002 MPLAB ICD 1:
<http://ww1.microchip.com/downloads/en/DeviceDoc/51184d.pdf>
- Microchip DV164006, DV164007 MPLAB ICD 2:

http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&no deId=1406&dDocName=en010046

- Microchip DM163004 ethernet demo board:
http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&no deId=1406&dDocName=en010029
- Microchip DV163010 USB demo board:
http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&no deId=1406&dDocName=en010043
- Microchip DV164102 RF demo board:
http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&no deId=1406&dDocName=en010060
- Microchip DV003001 Picstart plus:
http://www.microchip.com/stellent/idcplg?IdcService=SS_GET_PAGE&no deId=1406&dDocName=en010020&part=DV003001

Miscellaneous

- NI USB Multifunction DAQ:
<http://sine.ni.com/nips/cds/view/p/lang/en/nid/14605>
- Texas Instruments MSP430 EZ430-RF2500 wireless development tool:
<http://focus.ti.com/docs/toolsw/folders/print/ez430-rf2500.html>
- Atmel ATR2406-DEV-BOARD2 RF development board:
http://www.atmel.com/dyn/products/tools_card.asp?family_id=651&family_name=Smart+RF&tool_id=3824
- Sensory Voice Direct II speech recognition kit:
<http://www.troper.com/uploads/images/1004/VoiceDirectIISpeechRecognitionSystem.pdf>
- IDTECH Econoscan bar code reader:
http://www.idtechproducts.com/pdut_detail.asp?F_PdutID=35&F_CateID=4&F_SubCateID=6
- IDTECH Minimag Magstripe reader (card swipe reader):
http://www.idtechproducts.com/pdut_detail.asp?F_PdutID=2&F_CateID=1&F_SubCateID=1
- RFID Inc. Extend-a-read Active tag identification system:
<http://www.rfidinc.com/extend.html>

Parts

The Electronics Shop has a large amount of standard passive (resistors, capacitors, etc.), and active (transistors, logic chips, diodes etc.) components in stock. If we don't have the parts required use our supplier list

(<http://www.eng.uwo.ca/electrical/e-shop/parts.html>) to aid in finding them and then fill out the order form located here:

http://www.eng.uwo.ca/electrical/pdf/eshop/Material_Req_4416.pdf

All students registered with the shop will have a \$75.00 budget toward acquiring parts (note: this is a budget from the Electrical Engineering Department and as such all parts must be returned or paid for upon approval).