



# **ELEC 1620 - Software installation instructions**

1. Obtain the two setup from the internet.
2. You **must** install Cygwin first
3. Run setup.exe
4. Choose all the default options until it comes to selecting a download site. It doesn't really matter what you choose. I tend to use [www.mirrorservice.org](http://www.mirrorservice.org)
5. In the select packages window, go down the list and expand 'Devel'
6. You need to install the following packages by clicking on the circle with the arrows (it should turn from 'skip' to a version number):
  - a. gcc-core: C compiler
  - b. gcc-g++: C++ compiler
  - c. gdb: The GNU debugger
  - d. make: The GNU version of the 'make' utility
7. Click next and wait until all packages are installed. Click finish when this is done.
8. We need to add the cygwin compiler directory to your path to enable NetBeans IDE to find the tools collection (in XP):
  - a. Open the Control Panel (Start > Settings > Control Panel) and double-click System.
  - b. Select the Advanced tab and click Environment Variables.
  - c. In the System Variables panel of the Environment Variables dialog, select the Path variable and click Edit.
  - d. Add the path to the *cygwin-directory*\bin directory to the Path variable, and click OK. By default, *cygwin-directory* is C:\cygwin. Directory names must be separated with a semicolon. Your edited path should look something like  
%SystemRoot%\system32;%SystemRoot%;C:\cygwin\bin
  - e. Click OK in the Environment Variables dialog and the System properties dialog.
9. Run the NetBeans installer using all the default settings.
10. You will need the Java Runtime Engine (JRE) installed as well but this is usually already installed on Windows machines.