

Setting Up a Wireless Network Client with Windows XP (fsustudent wireless network)

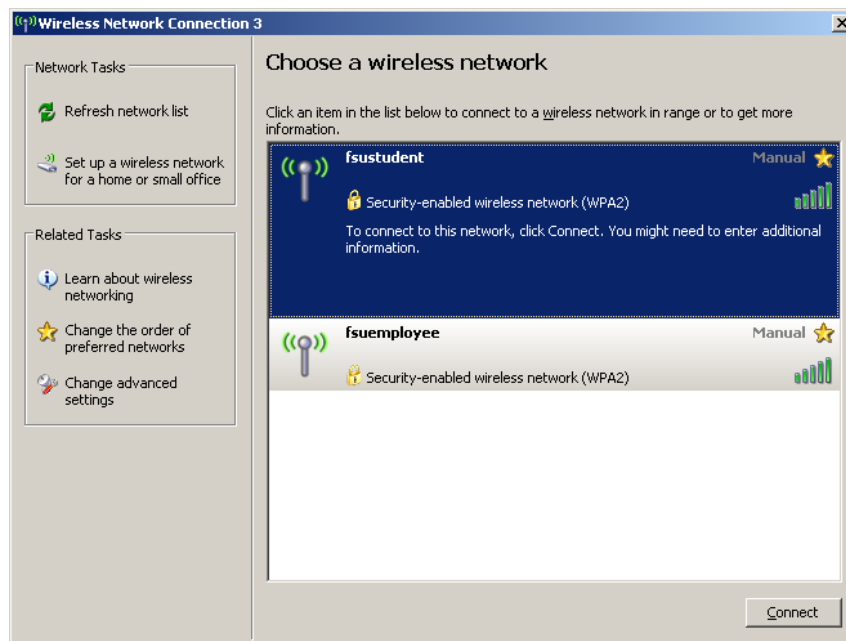
To function with FSU's wireless networks, it is recommended that users purchase a wireless network card that supports 802.11 a/b/g or 802.11a/g.

FSU requires all network users to install and update an anti-virus program. A virus or spy-ware on a network will cause severe performance issues. You should also install the latest Windows Updates from Microsoft. For virus and software update information visit:

<http://www.frostburg.edu/computing/cmpages>

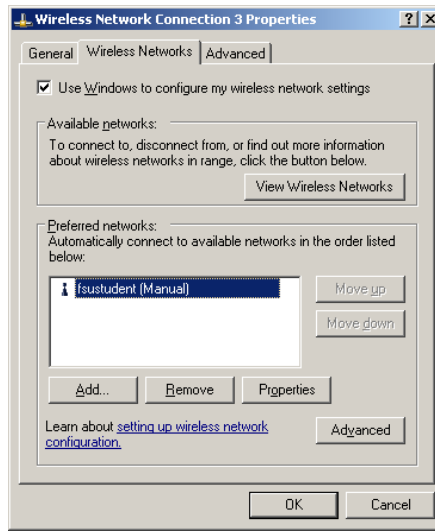
Windows XP: Install the network card and install the drivers. Windows XP does not require the Wireless Utility that comes with your network card. However, if the utility has already been installed, the following instructions can still be used to configure your system.

Right click on the wireless icon in your System Tray and select *View Wireless Networks* button to connect to the FSU wireless network. Click *Change advanced settings* then click on the *Wireless Networks* tab.



If a network does not broadcast its Network Name (SSID), it will not appear under *Available networks*. To connect to an access point (infrastructure) network that you know is available but that does not appear under *Available networks*, under *Preferred networks*, click *Add*. In *Wireless Network Properties*, specify the Network Name (SSID).

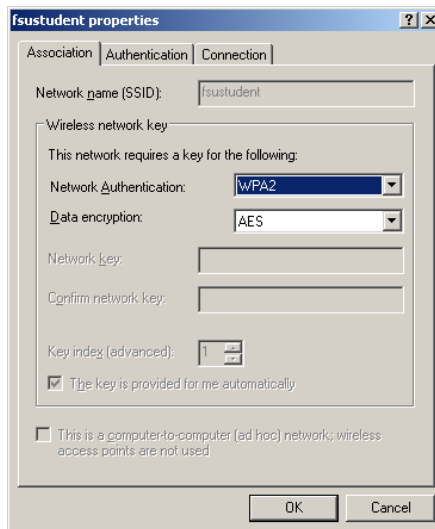
To enable automatic wireless network configuration, select the *Use Windows to configure my wireless network settings* check box. This check box is selected by default (**Recommended**).



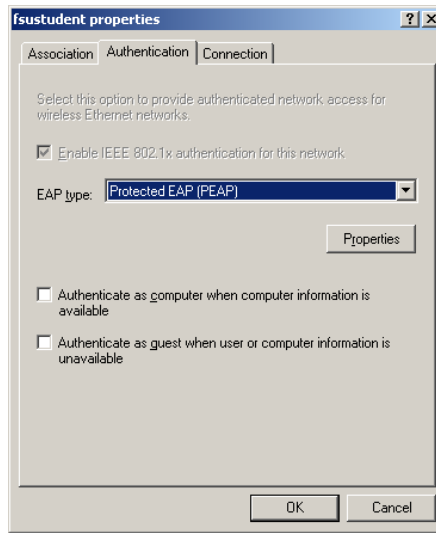
To make **fsustudent** the default wireless network, highlight it under *Preferred networks* and click the *Move Up* button until it is first on the list.

Highlight the **fsustudent** network and click the *Properties* button to display the **fsustudent Properties** page.

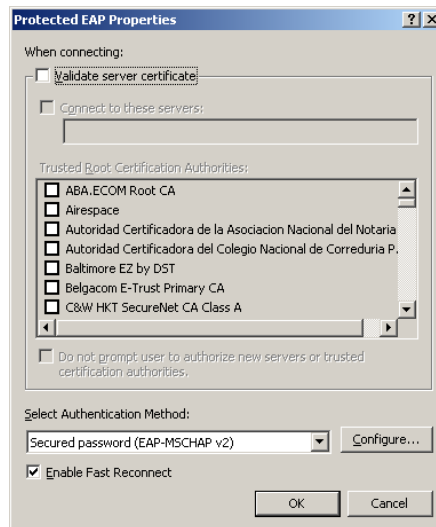
Set Network Authentication to *WPA or WPA-2* and Data Encryption to *TKIP or AES* and then click *OK*. AES is the more secure encryption method.



Click on the *Authentication* tab and set the *EAP type to Protected EAP (PEAP)*. Un-check the *Authenticate as computer when computer information is available* box.



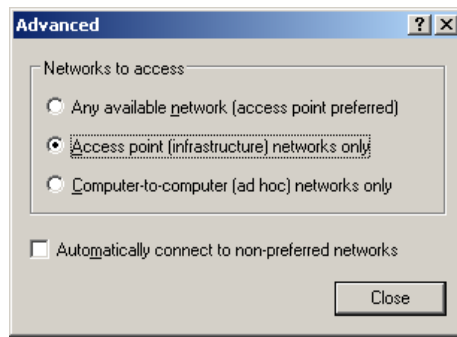
Click on the **Properties** button on the Authentication tab. Un-check **Validate server certificate**, check **Enable Fast Reconnect**, and in the Select Authentication Method box, select **Secure password (EAP-MSCHAP v2)**.




Select the **Configure** button on the Protected EAP Properties page and un-check the **Automatically use my Windows logon name and password** box.



Click the **OK** buttons until you are back to the **Wireless Network Connection Properties** page. Select the **Wireless Networks** tab, click the **Advanced** button.



The default setting is *Any available network (access point preferred)*. This setting may be causing you connection problems. Your computer may be connecting to another computer within your room or building and not to the Frostburg network. The setting needs to be set as displayed above, *Access point (infrastructure) networks only*.

Your system should now be configured properly. Then click on **fsustudent** so that it is highlighted and click the **Connect** button. After you are connected, click the  to close this window. You will see a connection bubble appear near your System Tray. Click on this bubble and enter your username (ex: jdoe) and password to connect. It is not necessary to enter a domain name.

Please visit <http://www.frostburg.edu/computing/cmpages> to register your wireless laptop on the network. The registration process will ensure that your system is clean of viruses and spy-ware.

Once you have successfully logged into the fsustudent wireless network, Windows XP will automatically cache your username and password so that you do not have to enter it each time. This means that if more than one person is using your computer, or if you have recently changed your password, you will need to remove this cache. To correct this issue, please visit the following link and follow the instructions:

<http://support.microsoft.com/default.aspx?scid=kb;en-us;823731>