# Wireless Setup Instructions for Windows 7

1.  Make sure that your wireless feature is turned on.  (You may need to flip a switch or press a button on your laptop.)  On most laptops you should see a light that indicates that your wireless is turned on or off.

2.  Click the **Start** button to get the screen below.  (Note: Your color scheme may be different)
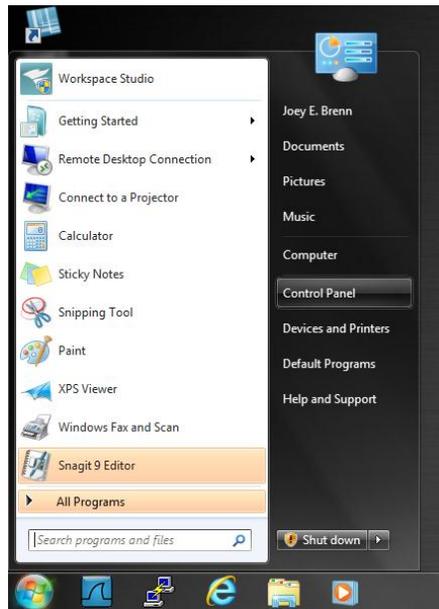


3.  Click **Control Panel** on the right half of the screen to get the screen below.  (The screen below shows it in Category view.  You can change to this by selecting "Category" in the upper right portion of the screen.  It will say "View By: ".  Change it to Category.)
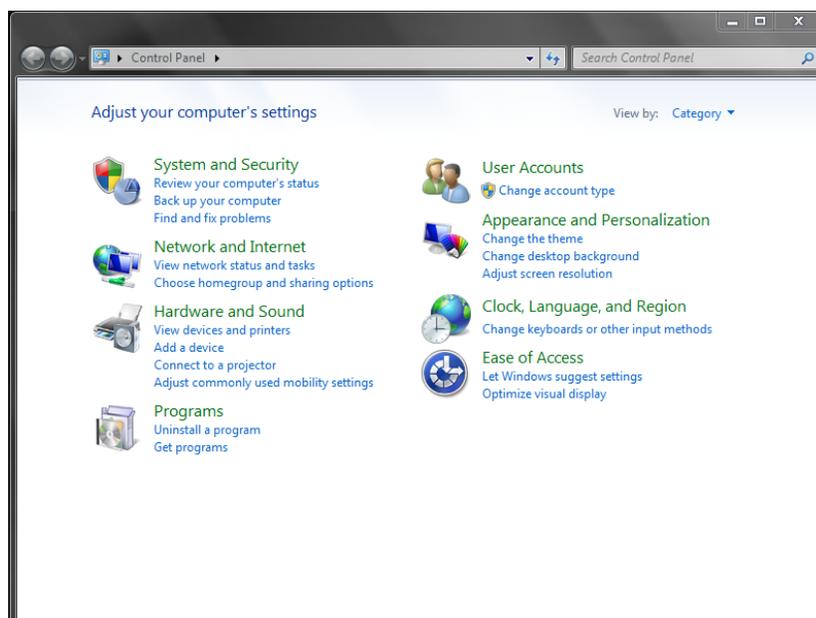
4. On the left column, choose **Network and Internet** to get the screen below.
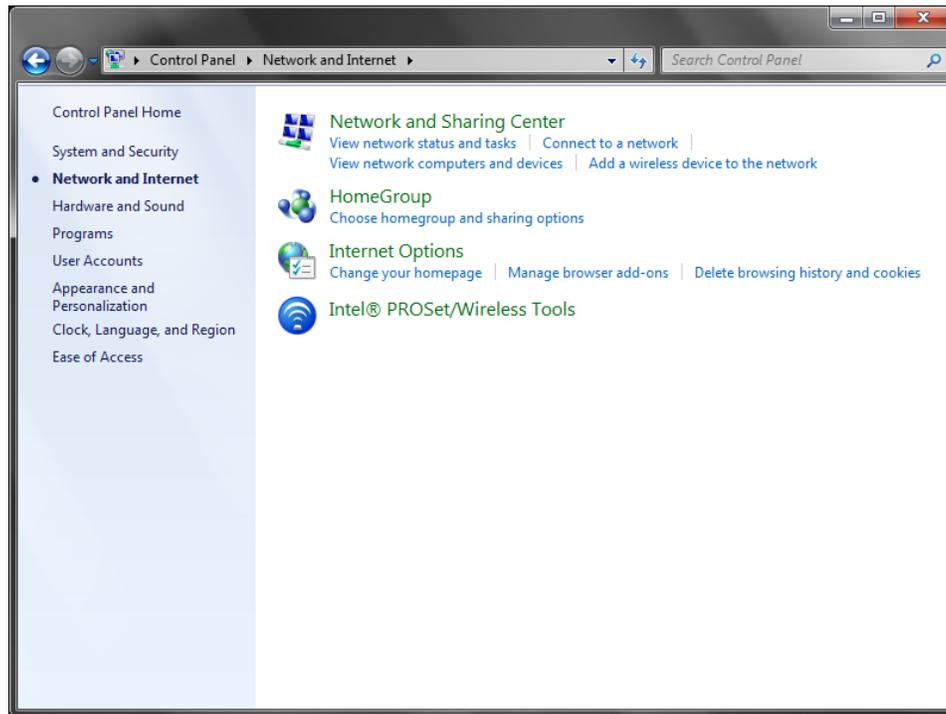


5. Choose **Network and Sharing Center** to get the screen below.
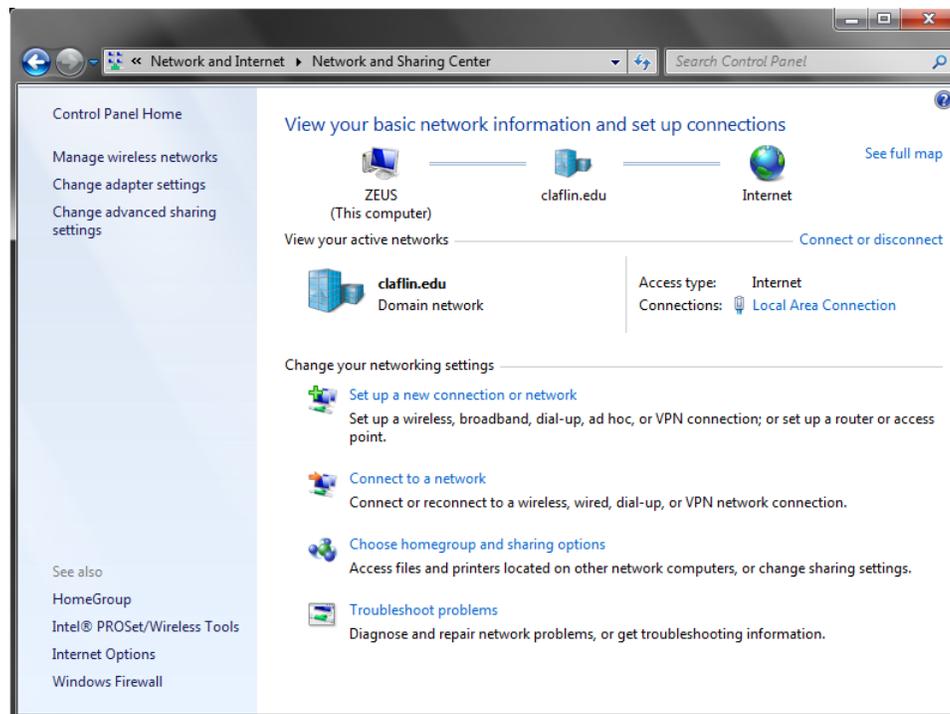
6. On the left column, choose **Manage wireless networks** to get the screen below. (Your computer may already have some wireless networks setup so your screen may be much busier than the one pictured below. The order of these entries determines what will be connected first, second, etc. Make sure you order them in the way you want them to be! )
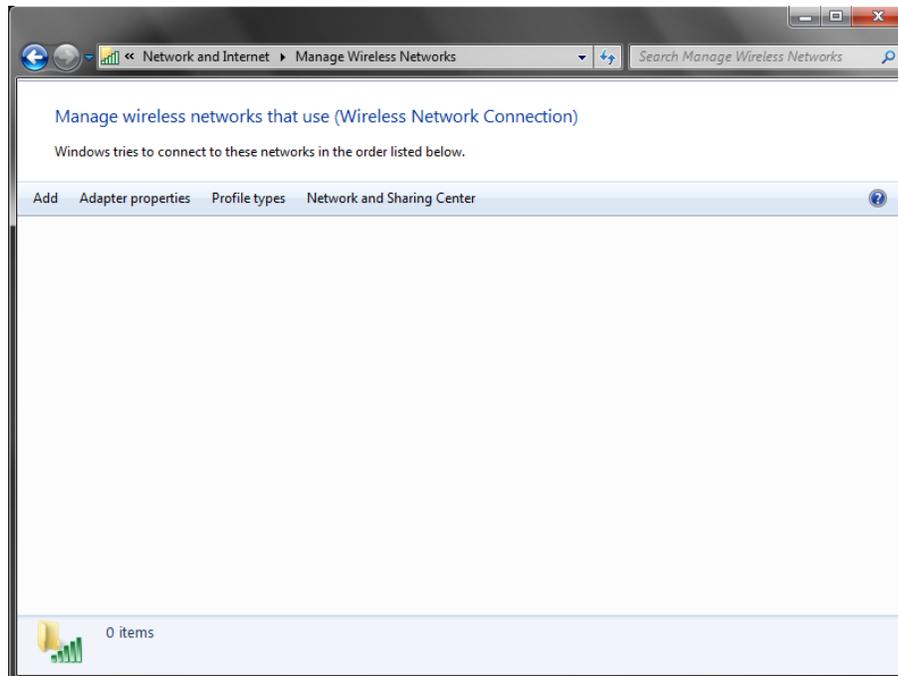


7. On the menu bar, choose **Add** to create a new wireless network. You will see the screen below.
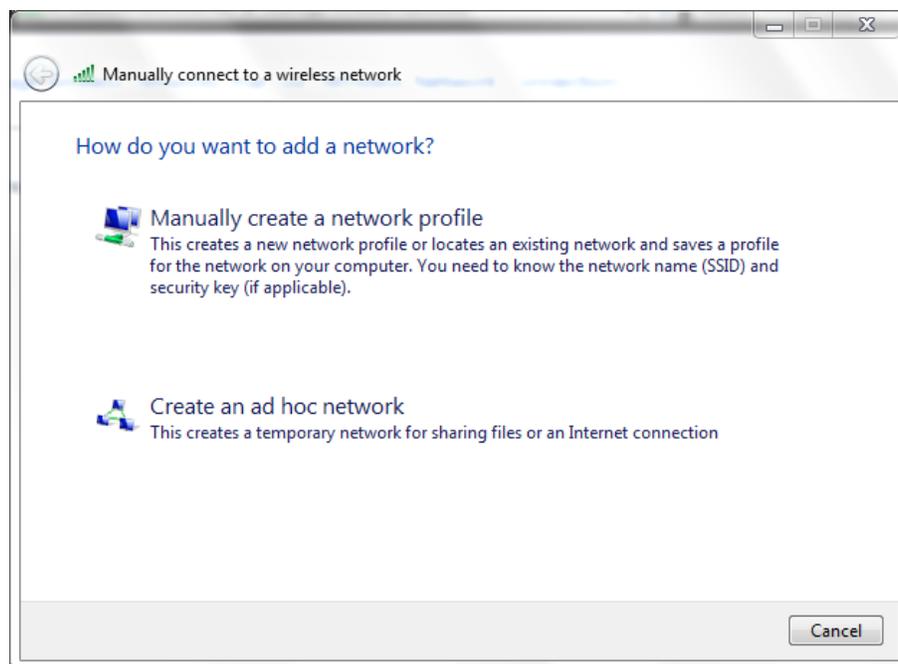
8. Choose **Manually create a network profile** to get the screen below. (It will not be filled out yet!)
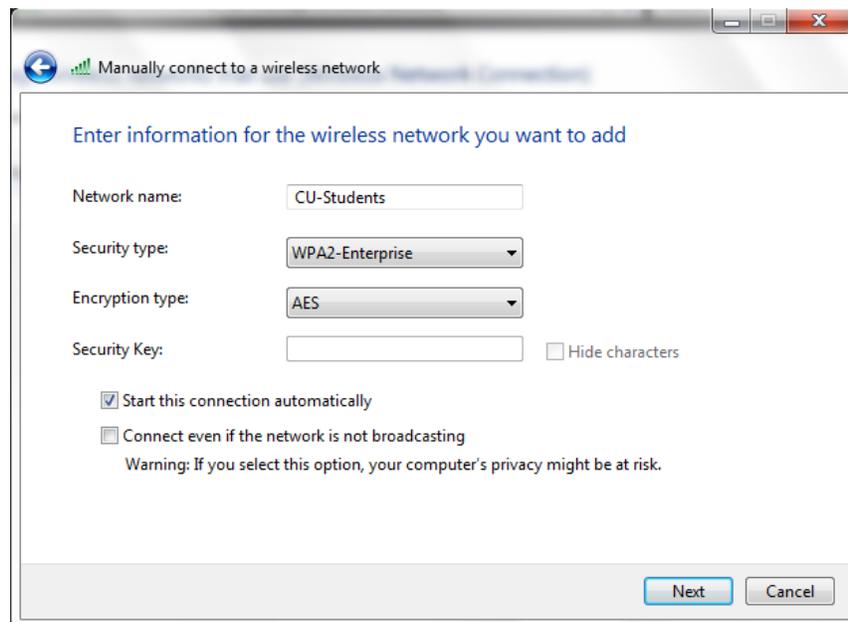


9. Type the following into the textbox named Network name: **CU-Students**
(It must be typed exactly as shown paying close attention to capitalization!)

Choose **WPA2-Enterprise** for the Security Type.

Choose **AES** for Encryption type.

Press the **Next** button to get the screen below.
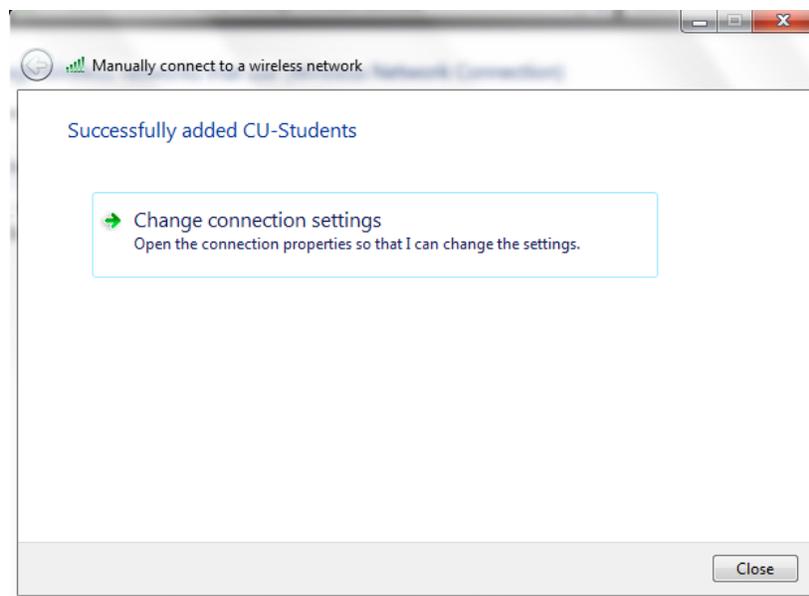
10. At this point, your wireless is setup.  However, we still have to change some of the default settings for the wireless to work correctly.

    Choose **Change connection settings** to get the screen below.
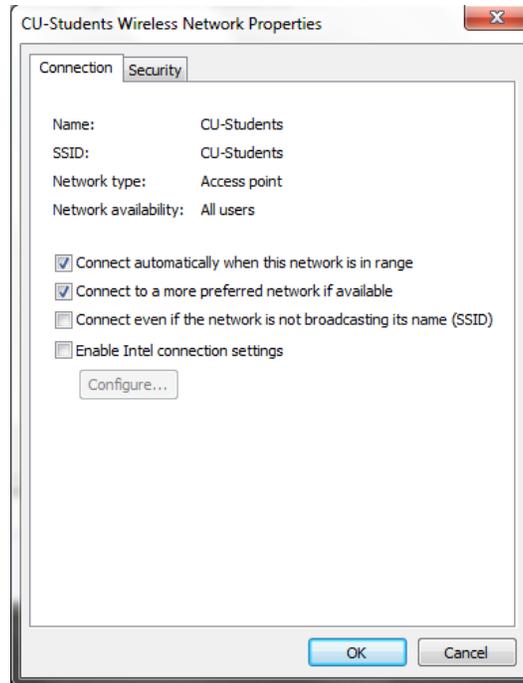


11. If not already checked, be sure the first two items are checked.  These would be **Connect automatically when the network is in range** and **Connect to a more preferred network if available**.  Click the **Security** tab to see the screen below.

CU-Students Wireless Network Properties

Connection | Security

Security type: WPA2-Enterprise

Encryption type: AES

Choose a network authentication method:

Microsoft: Protected EAP (PEAP)    Settings

☑ Remember my credentials for this connection each time I'm logged on

Advanced settings

OK    Cancel

12. Choose **Microsoft Protected EAP (PEAP)** under "choose a network authentication" method.

Choose the **Settings** button to configure the options for PEAP properly.  You should get the screen below.
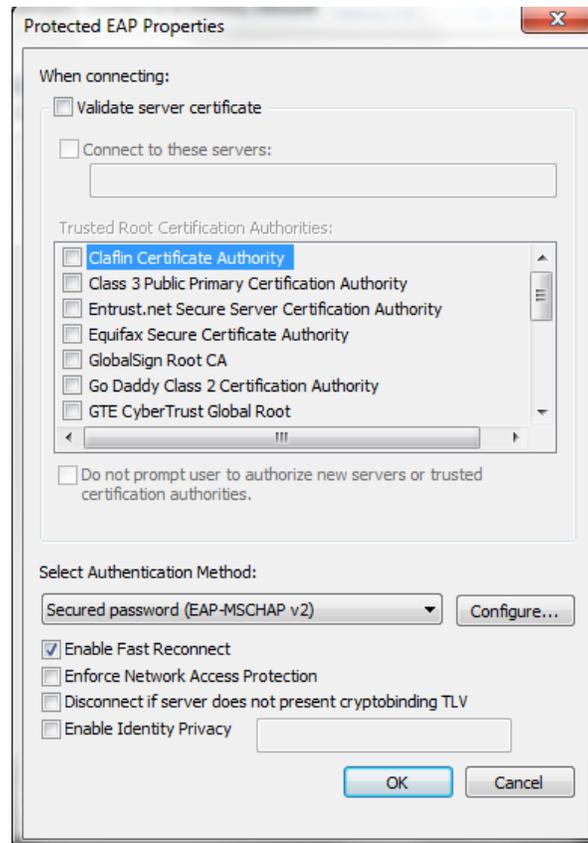


13. Uncheck **Validate server certificate**.

Select **Secured password (EAP-MSCHAPv2)** if not already selected.

Select **Enable Fast Reconnect** if not already checked.

Select **Configure…** button to get the screen below.
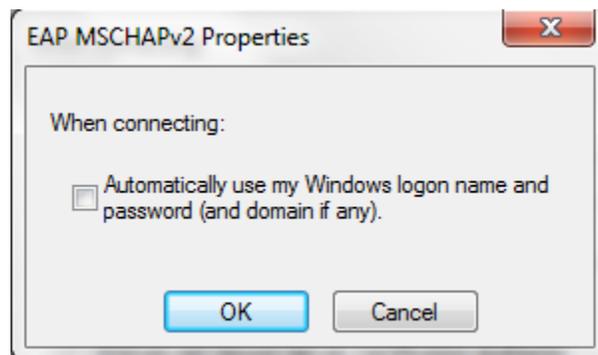
14. Uncheck **Automatically use my Windows logon name and password (and domain if any)**.

    If not unchecked, the connection will use the local logon name and password which will not match your Claflin Username and Password.

    Click the **OK button twice** to return to the previous screen as shown below.
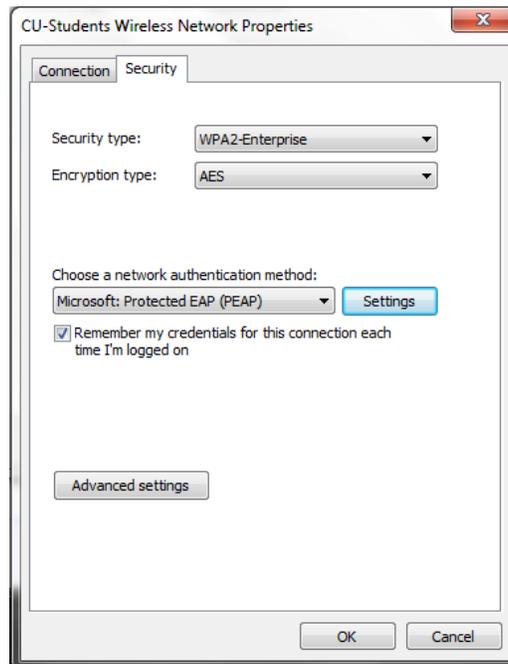


15. Click the **Advanced settings** button to get the screen below.
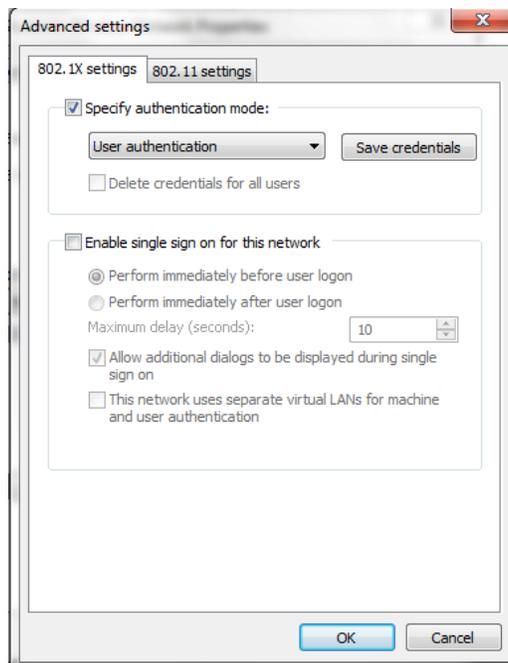
16. Ensure that the checkbox **Specify authentication mode** is checked.

Uncheck Enable single sign on for this network if it is checked.

Choose **User authentication** from the dropdown.

Click the **Save credentials** button to get the screen below.
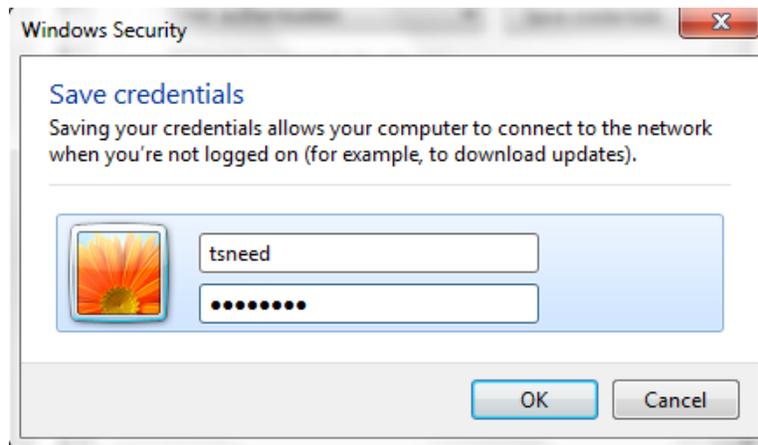


17. Type your network username and password. (Do not type your email address or include "Claflin" as the domain. Your user name is the first portion of your email address before the @ sign.). For example, if your email address is fred@claflin.edu then your username is fred.

Click the **OK** button to close the advanced settings screen. This should return you to the Advanced Setting screen as shown below.
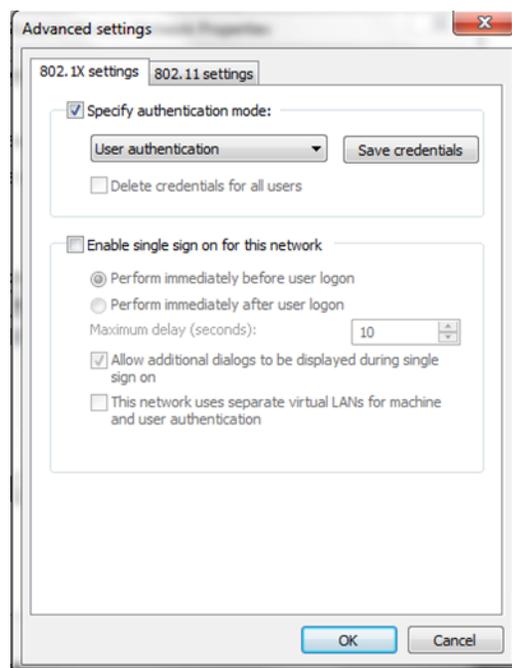
18. Click the **OK button** on the Advanced Security screen to close it and return to the Manage Wireless Networks screen as shown below. (Note: You may have additional items in this list which are not shown below.)
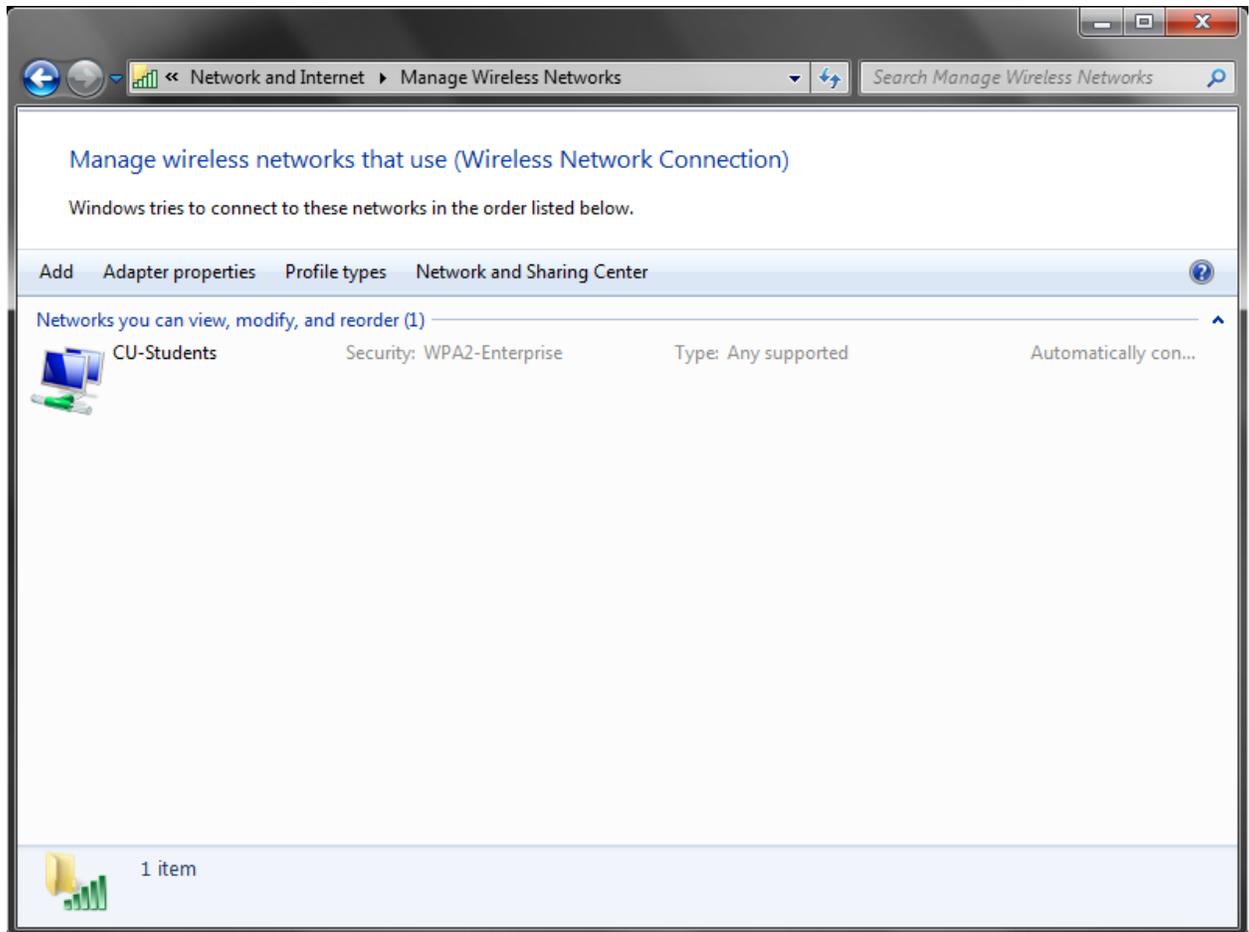


19. Click the red button with the white X in the upper right corner of the Manage Wireless Networks window. Close any remaining windows which may be open in a similar fashion.
20. By this time, you should be getting a notification asking for additional information to logon to the CU-Students wireless.
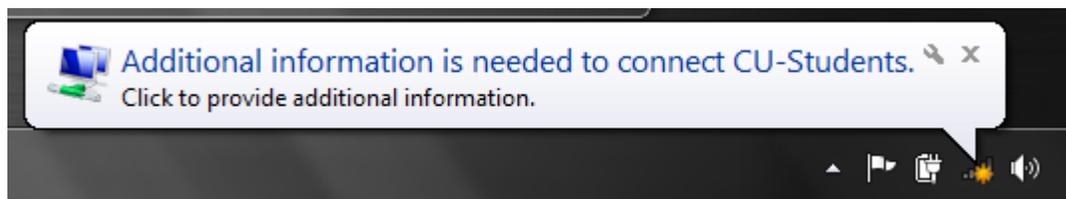
21. Clicking on the notification message will bring up the screen to allow you to enter your username and password. You should see the screen below.



22. Assuming you entered your username and password correctly, the wireless indicator should show the strength of the wireless signal as shown in the screen below. (Circled in red) Please note that this is in the lower right corner of the screen.



23. **Your wireless is setup and ready to use**. Whenever the laptop is within range of the CU-Students wireless network, it will automatically attempt to connect. The only time you will have to worry about this connection is when your password changes, then you will be prompted again as shown in step 20 through 22.

# Tips and Troubleshooting

1. To connect to the wireless network manually or to check which network your wireless is connected to, follow these instructions:

    a. In the lower right hand corner of the screen, next to the time, you may see the following screenshot. This screenshot shows an "Excellent" strength connection but to which network?

    b. To determine which network you are connected to or to see additional wireless networks which may be available to you, simply click on the signal strength indicator which is inside the red circle above. It will bring up the following screen which shows that the CU-Students wireless network is currently connected and the signal strength is excellent.
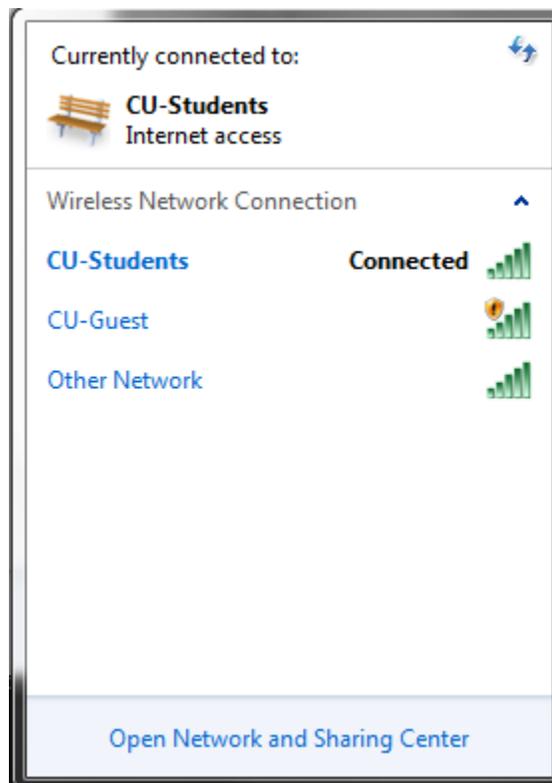
c. If nothing is connected but you want to connect to CU-Students and you have previously setup the manual connection, then click on the CU-Students line and a Connect (or Disconnect if already connected) button will appear.  Simply click on the Connect button and it will attempt to connect to the CU-Students wireless network.  The screen will look similar to the one below.



d. You should now be connected to the CU-Students network.

2. If you encounter a problem connecting and you are presented with a dialog box shown below, click on the "Troubleshoot problems" link and let the system attempt to fix the problem. Our experience with this is that it fixes the problem as shown in the second screen below, assuming you have set up everything else correct.
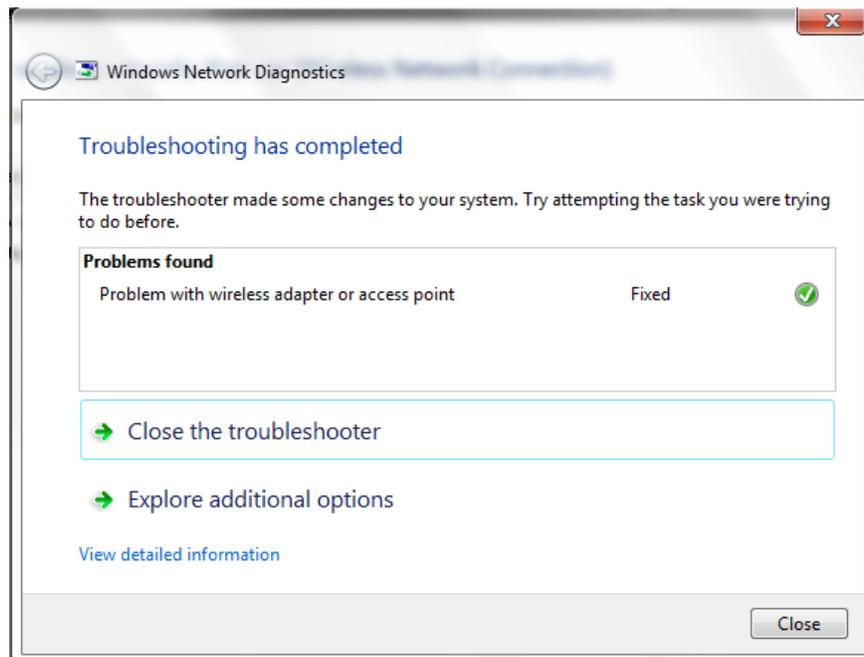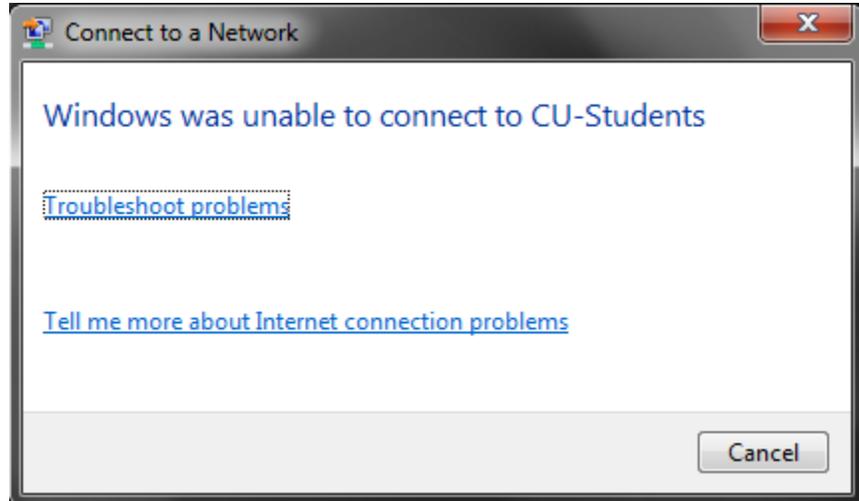
3. How do I change the settings if I need to?
    a. Follow steps 1 through 6 above to arrive at the "Manage Wireless Networks" screen.
    b. Locate the CU-Students wireless network setup and right click on it and select "properties" to make changes as necessary. Refer to the appropriate steps above for details.
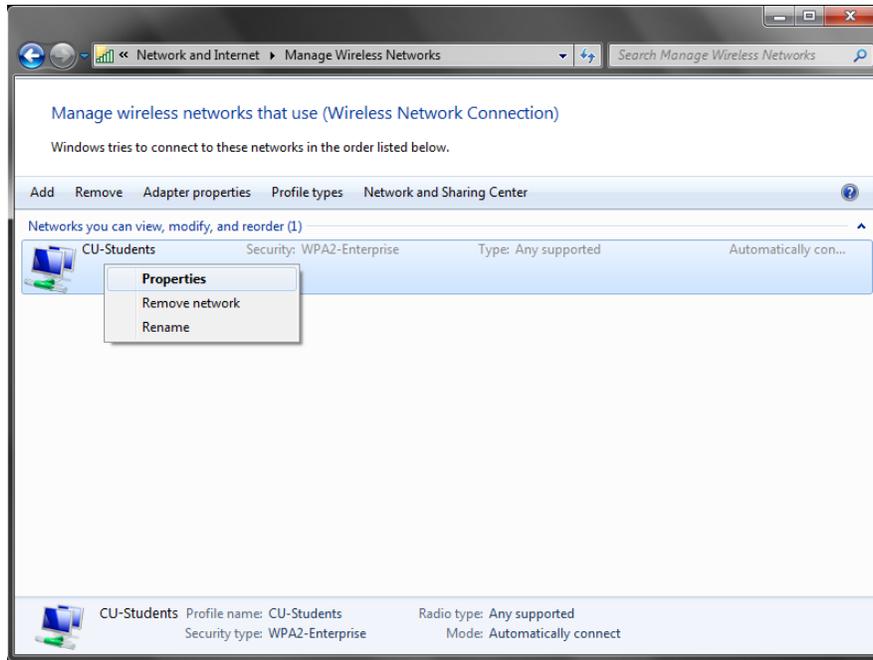


4. As always, you may contact the Claflin University Helpdesk by sending an email to helpdesk@claflin.edu or by calling 803-535-5767 (5SOS).