The UCO_SECURE wireless network uses 802.1x encryption to ensure that your data is secure when it is transmitted wirelessly. This security is not enabled by default on Windows computers. In order to enable this feature we will use the following guide. Please be aware that 802.1x is not currently supported for non-UCO computers. If you have any questions, or you run into any difficulties in using this guide, the IT Service Desk will not be able to assist you. If you are unable to get your Windows computer connected to UCO_SECURE, you will need to use the UCO network.

1. Open the Windows “Services” utility by searching for it using the Start Menu search function. Click on the Start button and then type `services.msc` in the search box then hit the enter key.

2. The Services Window will now open up. Scroll all the way to the very bottom of this window until you can see `Wired AutoConfig`
3. Right-click on the Wired AutoConfig line and then on the pop-up menu select **Properties**.

4. This will open a window called **Wired AutoConfig Properties**. You will need to do two things on this window. First, under **Startup Type** there is a drop-down menu. Change this from Manual to **Automatic**. Second, under **Service Status** click the button labeled **Start**. When this is complete, click **OK**.
5. On the Services window you should see the status and startup type for Wired AutoConfig now showing “Running” and “Automatic”. You can now close this window by clicking the red X in the upper right corner.

6. Next, you need to find the **wireless network icon** in our task tray in the lower right hand corner of your screen. **Right-click** on this icon.

7. You should now see a pop-up menu. You will need to click on the option to **Open Network and Sharing Center**.

8. This will open the Network and Sharing Center Window. You now need to click on the link that says **Manage wireless networks**.
9. This will open up the Set Up a Connection or Network window. You will need to click on the link that says **Manually create a network profile**.

![Manually create a network profile](image)

10. The next window will ask you for information about the wireless network. In the **Network name:** field, type in **UCO_SECURE**. Make sure to use all capital letters and don’t forget the underscore _ between each word. Under the **Security type:** field, use the drop-down menu and select **WPA2-Enterprise**. When you select this option, it will grey out the rest of the fields and will place a checkmark in the top check box. Click **Next**.

![Enter information for the wireless network you want to add](image)
11. The next window will say you have successfully added UCO_SECURE. You now need to click on the big button that says **Change connection settings**.

![Change connection settings](image1)

12. This will open the **UCO_SECURE Wireless Network Properties** window. You should see two tabs at the top. Click on the **Security** tab.

![UCO_SECURE Wireless Network Properties](image2)
13. On the Security tab, you need to click on the **Settings** button.

14. This should open up a window titled **Protected EAP Properties**. You need to do a couple of things here. **Uncheck** the check box at the top of this window that is labeled **Verify the server’s identity by validating the certificate**. The reason we do this is because we use a “self-signed” certificate, and so it cannot be verified by Microsoft. Second, you need to click on the **Configure** button.
15. This will open up a little window that is titled **EAP MSCHAPv2 Properties**. If this is a personal Windows computer, then you will need to **uncheck** this checkbox. (If this machine is a UCO domain computer for an employee, then you can leave this box checked.) Click **OK** to close this window.

16. You are now on the previous window. Click **OK** to close this window.

17. You should now be on back on the **UCO_SECURE Wireless Network Properties** window. You now need to click on the button labeled **Advanced settings**.
18. On this Advanced settings window you should see two tabs at the top. You should already be on the first tab labeled 802.1X settings. You will need to put a check in the checkbox at the top of this tab where it says **Specify authentication mode**. Once you check this box you will need to change the drop-down menu to **User Authentication**. After you have done both of these steps, click **OK** to close this window.

19. You should now be back on the window from step #10 of this guide labeled **Manually connect to a wireless network**. Click **Close** to close this Window.
20. You will finally be able to connect to UCO_SECURE. Click on the wireless icon in the task tray in the lower right hand corner of your monitor. (Make sure you left-click this time!) This should open up your list of wireless networks that are within range of your computer. Click on UCO_SECURE so it is highlighted. Click the button labeled Connect.

21. Once your device is connected to the wireless, you will be prompted to sign in. If you are a student, then you will sign in using your UCONNECT credentials. If you are faculty or staff, then you will sign in using your domain email credentials. If all goes well, you should now be able to connect to the UCO_SECURE wireless network!