Bringing Your Computer to Campus?

Be sure to complete these steps first!

24/7 IT Support Center
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247.arizona.edu
Preparing Your Computer for the University of Arizona Network

Welcome to the University of Arizona! If you are bringing a computer to campus there are some important steps you should take before accessing the network. By following the steps described in this packet you can ensure your computer meets University of Arizona network requirements and is protected against a variety of potential problems including viruses and malicious spyware programs. The directions will also guide you through registering your computer for campus internet access, registering/setting up your computer for use on the wireless network, enabling the firewall, enabling automatic software updates, and installing and configuring anti-virus software. Look through the documentation carefully to find instructions specific to your operating system.

Due to the constantly changing needs for computer and network security, many of these requirements and directions change on a regular basis. Please check with the 24/7 IT Support Center (520-626-TECH or 247.arizona.edu) for up-to-date information.

As an affiliate of the University of Arizona you are entitled to free anti-virus software called Sophos. If you already have an up-to-date anti-virus software subscription, you are not required to use Sophos and can skip this step; however, please ensure your software is updating frequently. Out-of-date anti-virus software will not protect your computer. If your computer is unprotected and infected with a virus it will be blocked from the UA network.

If you have any problems or questions please call (520) 626-TECH (8324) and a 24/7 IT Support Consultant will be happy to guide you through the process.

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Registering Your Computer for Campus Internet Access

Registration is required for all students who wish to access the Internet on campus (outside of a dorm). To register, you will first need to find out your computer’s MAC address, and then find a computer that is already connected to the Internet (at home, in a lab on campus or at a friend’s) to register it. **Do not attempt to connect to the campus network until you have registered it and installed up-to-date antivirus software.**

Finding your MAC address in Windows Vista
(Note: MAC Address does not refer to Macintosh computers; it is a generic networking term that applies to all types of computers.)

1. On your computer click **Start** and then **Run**.

![](image1.png)

2. In the **Run** window, type **command** and then click **OK**.

![](image2.png)

3. In the black window that appears, type **ipconfig /all** and then hit enter. This will display your computer’s networking configuration.

![](image3.png)
4. Write down the combination of numbers and letters that follows the words **Physical Address**. Your computer may have more than one Physical Address (especially if you have wireless); the one you want is **Ethernet Adapter Local Area Connection**.

At this point you are ready to register your address (es). Find an internet-connected computer and continue.

**Registering your MAC address**

1. Using a computer that is already connected to the internet, go to http://dhcp.arizona.edu/register.php. Click **please log in first**.

2. This will bring you to a login page. Log in with your UA NetID and Password.
3. Once you have logged in, select Add under Action.

4. Enter your MAC address (the one you wrote down) into the Hardware (MAC) Address(es): text field. It should look like the example red text in the below picture.

5. Enter your name in the Name text field.

6. Enter your e-mail address in the E-mail address: text box.

7. Nothing needs to be entered in the Department or Comments text fields.

8. Read the Acceptable Use Terms.

9. Click send it - a page stating Added 1 record for [Your MAC Address] appears.

10. Click the Click here to logout link.

Quit your browser. (Whenever you log out of a secured area, especially if you are on a shared computer, quit your browser to ensure no one can access your private information.)

You should be able to use the internet on campus within one hour of registration. If you have difficulties, call the 24/7 IT Support Center at (520) 626-TECH (8324) for assistance.
Configuring Your Computer for UAWiFi

UAWiFi is your best wireless choice on campus for both speed and security.

1. Click on the Wireless Network Connection button in the taskbar to bring up the Wireless Network Connection window. (If this icon is not present, click Start>Control Panel>Network and Internet Connections then double click on your wireless connection.)

You will see UAWiFi as an available wireless connection. **If you do not see UAWiFi then the wireless connection is not available from your location.**

2. Before you can connect to UAWiFi, you must setup the configuration of UAWiFi by clicking **Change Advanced Settings**.
3. Click on **Wireless Networks**.

4. Make sure that the **Use Windows to configure**... box is checked. Then click the **Add** button.
5. A new window will pop up. Make sure the Network name (SSID) is UAWiFi.

In the Network Authentication box, choose WPA2 when available. Only use WPA if WPA2 is not available.

Data Encryption should be AES when available. Only use TKIP if AES is not available.

Make sure the last box stays unchecked.
Now click the **Authentication** tab at the top of the window.

6. Change the EAP type to **Protected EAP (PEAP)**.

Uncheck the **Authenticate as computer when computer is available** box.

Now click **Properties**.
7. Check the **Validate server certificate** box.

Check the box next to **Equifax Secure Certificate Authority** in the center box.

Do **not** check the **Do not prompt user ...** box.

Choose **Secured password (EAP-MSCHAP v2)** under **Select Authentication Method** and then click **Configure ...**

Uncheck the **Automatically use my Windows logon name ...** box.
8. Click **OK** on each of the screens to save your settings.
Your wireless connection should reset automatically in order to save the new network settings.

9. A window will appear from the taskbar. Click this window to logon to the wireless network.

10. In the Enter Credentials window, type your UA NetID in the User name: and your UA NetID password in the Password: box. Be sure to leave the Logon Domain: box empty.
11. After acquiring a network address, you will be connected to the network. This is confirmed by a connection popup.

You are now on the UAWiFi wireless network!
Enabling Firewall and Automatic Updates

Besides running an up-to-date anti-virus application, the 24/7 recommends two additional steps to secure your computer: enabling the Firewall and Automatic Updates. The following steps will show you how to make sure that these features are enabled, and if they’re not, how to turn them on.

1. Open Start and click on Control Panel.

2. Under Control Panel click Security Center

**NOTE:** If your Control Panel does not have a Security Center icon you will need to install some Windows Updates before proceeding. If your Control Panel does have the Security Center icon, but you are unable to open Security Center you may have additional security software installed that is overriding Windows. Please contact the 24/7 IT Support Center in either case for assistance.
3. In the **Security Center** window make sure that the indicators next to **Firewall** and **Automatic Updates** indicate **ON**. If they do indicate **ON** you are protected and can close the **Security Center** window; if not, then proceed to the next step (Step 4 for **Firewall** or Step 6 for **Automatic Updates**).

**NOTE:** If the indicator for **Virus Protection** is **OFF** please see Installing & Configuring Sophos Anti-Virus.

4. If the **firewall** is turned off, click on the **Windows Firewall** icon at the bottom of the **Security Center** window.
5. In the **Windows Firewall** window, click the circle next to **On (recommended)**, then close the window by clicking **OK**.

![Windows Firewall window](image)

6. If the **Automatic Updates** are turned off, click on the **Automatic Updates** icon at the bottom of the **Security Center** window.

![Security Center window](image)
7. In the **Automatic Updates** window click the circle next to **Automatic (recommended)**, and then close the window by clicking **OK**.

![Automatic Updates window](image)

Your computer is now secure. If you have any questions or if you were unable to turn on either the **Windows Firewall** or **Automatic Updates** please contact the 24/7 IT Support Center for assistance at (520) 626-TECH (8324).
Installing and Configuring Sophos Anti-Virus

Every computer should have up-to-date anti-virus software installed and running. The University provides Sophos Anti-Virus to students, staff, and faculty free of charge for just this purpose.

NOTE: You must be an administrator on your computer to install Sophos. If the installation fails you will need to log in as an administrator to continue.

1. Remove any existing anti-virus software from your computer by using the Add/Remove Programs button in the Control Panel. You must complete this step before installing Sophos. Having more than one anti-virus application installed at the same time can cause your computer to become unstable, slow, and can even leave you less protected. If you’re not sure if you have anti-virus software, or don’t know how to remove it, see the Removing an Anti-Virus Program (Installing & Configuring Sophos Anti-Virus, Part B) handout.

2. Download Sophos from https://sitelicense.arizona.edu/sophos/ and then disconnect your computer from the internet by unplugging your Ethernet cable from the wall or turning off your wireless card.

3. Double-click on the Sophos installer that you downloaded in Step 1.

4. Once the installer opens, click Install.
5. Wait as the installer prepares itself.

6. Once the installer is ready, click **Next**.

7. On the **Destination Folder** screen, click **Next**.
8. On the **Update source** screen, type in the update address for your operating system in the **Address**: box, and then click **Next**.

Address: Windows 2000/xp/vista:
http://sophosru.arizona.edu/esxp/

**IMPORTANT:** Leave the remaining fields blank.

9. Click **Next** on the **Ready to install Sophos Anti-Virus** screen.

10. Wait as Sophos Anti-Virus and Sophos AutoUpdate install (this may take several minutes).
11. Once the installation has completed, click **Finish** on the final screen.

12. You can confirm that the installation was successful by looking for a blue shield icon next to the clock on the taskbar. You should now reconnect your computer to the Internet.

13. Update Sophos by right-clicking on the blue shield, and clicking **Update now**.

14. Open Sophos by right-clicking on the blue shield, and clicking **Open Sophos Anti-Virus**.

15. In the main Sophos window, click **Configure Sophos Anti-Virus**.
16. On the **Configure** page, click **On-access scanning**.

17. In the **On-access scan settings for this computer** window, click on the **Disinfection** tab.
18. On the **Disinfection** tab, check the window; you have successfully installed and configured.

![Disinfection tab configuration](image)

19. Close the Sophos successfully installed Sophos Anti-Virus.

If you have any questions or problems, please visit the 24/7 IT Support Center or call (520) 626-TECH (8324).