TNCC secure
Wireless Network Connection Procedures
For Windows 7 (and Vista)

How to configure Windows Vista and Windows 7 with IEEE 802.1x Authentication

If your connection to Employee-TNCC or Student-TNCC fails and you receive a message like the one below, follow these instructions to successfully connect to the TNCC encrypted wireless network.

![Wireless Network Connection Failure Message]

**NOTE:** Manufacturers’ adapters are often bundled with management software. If you have problems connecting to TNCC’s 802.1x wireless network try disabling this software and use Microsoft’s built-in configuration tool instead. If you are still having problems after following these instructions, you will need to update your wireless network card drivers.

1. Right-click on the wireless network icon in the taskbar (bottom right on the desktop). Select “Open Network and Sharing Center”. (Alternatively, you can go to Control Panel then View network status and tasks under Network and Internet.)

![Open Network and Sharing Center]
2. In the window that appears, select “Set up a new connection or network”.

3. Select “Manually connect to a wireless network” and then Next.

4. Enter information for the wireless network you want to add:
   a. Network name:
      - Employee-TNCC for employees
      - Student-TNCC for students
      (Must be type exactly as shown, including case-sensitivity)
   b. Security Type: WPA2-Enterprise
   c. Click Next.
5. Click “Change connection settings”.

6. Select the Security tab
   a. Verify Security type is “WPA2-Enterprise” and Encryption type is “AES.”
   b. Authentication method should be “Microsoft: Protected EAP (PEAP)” and “Remember my credentials for this connection...” checked.
   c. Click the Settings button.

7. Protected EAP Properties
   a. Uncheck the box marked “Validate server certificate”.
   b. Leave “Secured Password (EAP-MSCHAP v2)” selected and “Enable Fast Reconnect.” checked.
   c. Click Configure.
8. EAP MSCHAPv2 Properties

   For personal devices, uncheck “Automatically use my Windows logon name and password”.

   TNCC domain computers connecting to Employee-TNCC can have this checked.

   Select OK to close the EAP MSChapv2 window and OK again for the Protected EAP Properties.


10. Advanced Settings
    a. Check the “Specify Authentication Mode” box.
    b. Select “User or computer authentication”.
    c. Click OK.
11. On the Wireless Network Properties window, select **OK**.

12. Select **Close** on the “Successfully added Student-TNCC” network dialog.
TO LOG IN:

1. Click on the Wireless icon in the taskbar (bottom right on the Desktop).

2. Choose ‘Student-TNCC’ and click **Connect**.

![Wireless Network Connection](image)

3. If you receive the following Security Alert select **Connect**.

![Windows Security Alert](image)

4. If prompted enter your username and associated password.
   a. Employees: use your Network login & Password
   b. Students: use your MyTNCC login & Password
   c. Click **OK** to connect