

Connecting to Wi-Fi with Windows 8

This is a guide for how to connect to the ITC provided Wi-Fi networks with a Windows 8 computer.

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Getting started

If you are not currently connected to Wi-Fi, your Wi-Fi symbol (grey bars near the clock) will not be filled in. If you hover over them, a message will appear: *Not connected-Connections are available.*



If you click on those bars, a list of nearby Wi-Fi networks will appear.



Encrypted or unencrypted?

The main differences between the wireless networks are the encryption level and how often you need to re-authenticate (login).

The unencrypted wireless can be better when you need to login to the internet at one location for a short time and don't plan on moving around campus. The unencrypted wireless can also be useful when you are having issues connecting to the encrypted wireless. The encrypted wireless is better if you are planning to roam around campus for a while or use the wireless for more than a day or two.

That said, ITC recommends the use of encrypted wireless internet for an additional layer of internet security whenever possible. However, even while using the encrypted network you should be careful about submitting any personal information online.

Connect to an encrypted wireless network

Choose one of the encrypted Wi-Fi networks--NMT-ENCRYPTED-WPA-WPA2, NMT-ENCRYPTED-MACOS-TKIP, OR NMT-Encrypted--and click on it. For the purposes of this guide, we will be using *NMT-ENCRYPTED-WPA-WPA2*.



You should then see an option to *Connect*. Click it.



A login prompt will appear. Enter in your user credentials: 900# and Banweb password and click *OK*. This may need to be done multiple times in order for the credentials to take.



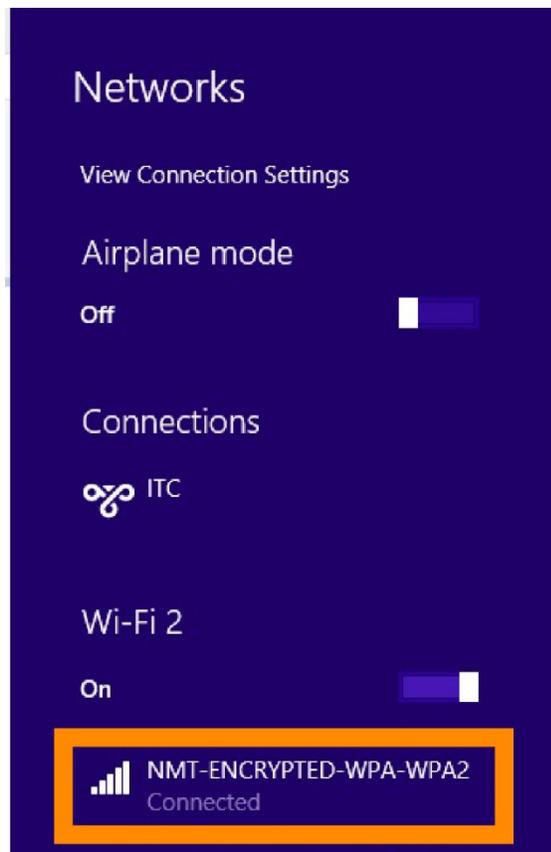
After that, you will most likely see a warning appear asking if *you expect to find NMT-ENCRYPTED-WPA-WPA2* (or another Encrypted wireless network you selected) *in this location*. Click *Connect* again.



The network will verify and connect; this process will take some time.



Once you are connected, the list of Networks will appear again and the network you selected will say *Connected* underneath the network name.



Connect to an unencrypted wireless network

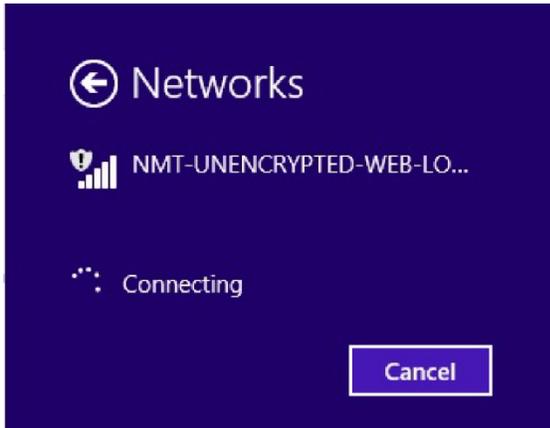
Choose one of the unencrypted Wi-Fi networks--NMT-UNENCRYPTED-WEB-LOGIN or NMT-Weblogin --and click on it. For the purposes of this guide, we will be using *NMT-UNENCRYPTED-WEB-LOGIN*.



You should then see an option to *Connect*. Click it.



The network will verify and connect; this process will take some time.



After the network has verified, a pop-up window will most likely appear with the login page for the unencrypted network. If not, you can go to your favorite web browser and try to visit to a webpage, like www.nmt.edu. You will not be connected to the unencrypted wireless until you enter in your 900# and Banweb password and click *Login*.



Assuming your credentials are correct, you will be directed to a page like this one. You should be connected to the unencrypted Wi-Fi at this time.



Check your connection

To double-check that you are connected, you can try going to a website, like www.nmt.edu.

The screenshot shows the homepage of the New Mexico Institute of Mining and Technology (NMT). The browser address bar displays "www.nmt.edu". The website header includes the NMT logo and navigation links: "NMT Calendar", "NMT A-Z", and "Directory". A search bar is located in the top right corner.

The main navigation menu includes: "Parents and Visitors", "NMT News", "Prospective Students", "Current Students", "Faculty and Staff", "Alumni and Friends", "Distance Education", and "NMT Research".

The "Upcoming Events" section lists the following items:

- New Student Orientation #1
- CESE Meeting Featuring Dr. Frank Etscom
- Deadline for Fall Intent to Graduate Form
- Tech Closed
- Grade Option Deadline
- New Student Orientation #2
- EES Phd Defense
- New Student Orientation #3
- Show Full Calendar

Below the events list are three buttons: "New Mexico Tech Banweb", "Emergency Notification", and "Annual Security and Fire".

The main content area features three large images:

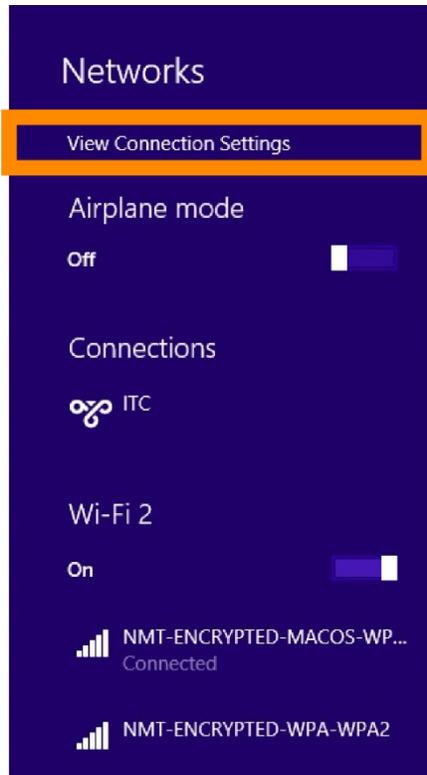
- "EXCELLENCE IN TEACHING": A photograph of three people (two students and one faculty member) standing in front of a building.
- "Community Education": A graphic featuring a large gear and the text "SUMMER CATALOG".
- "Entertainment, Fun, Fireworks – All for Free on July 4th": A small portrait of a man next to text announcing a July 4th event in Socorro, N.M.

At the bottom of the page, a news snippet is visible: "New Mexico Tech Closes Rugby Year with Sevens Tournament".

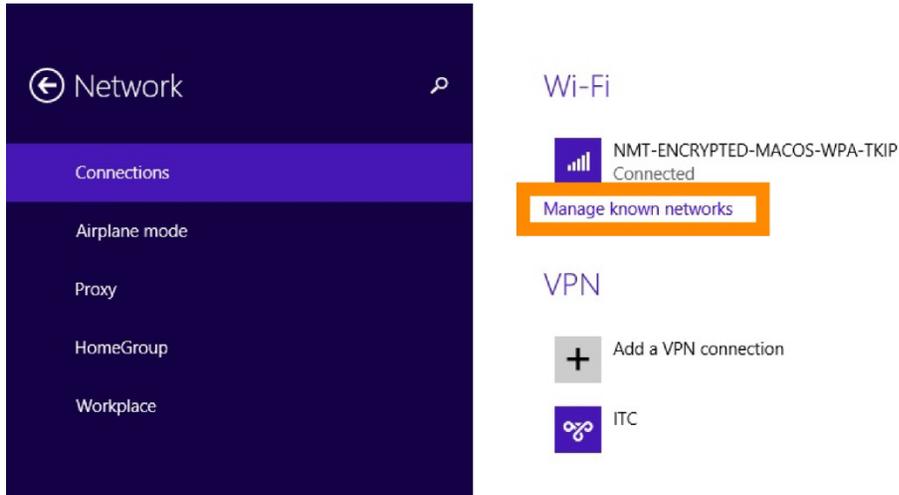
Deauthenticating

Deauthenticating (also known as “forgetting” a network) can sometimes help if you are having trouble logging in to a network. Deauthenticating removes a network (and your username/password) from the list of known networks. If you attempt to connect to that network again after you’ve forgotten it, you will have to re-enter your login information.

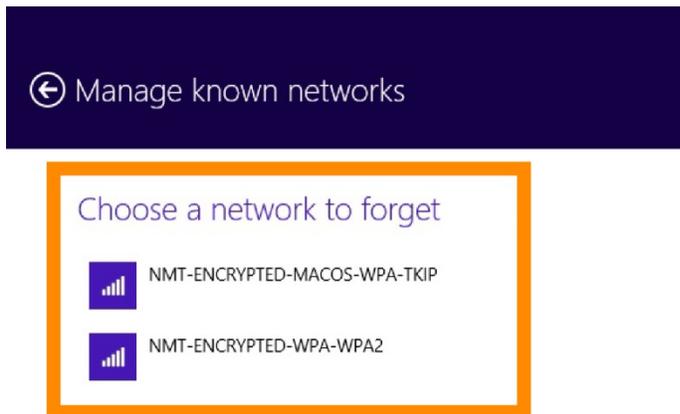
First, open up the Wi-Fi list and click on *View Connection Settings*.



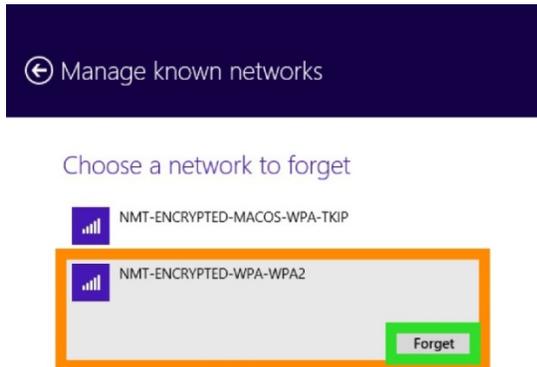
Then click on *Manage Known Networks*.



A list of networks known by your computer will appear. This includes networks you have connected to in the past, not necessarily all networks currently available.



In this case we will remove NMT-ENCRYPTED-WPA-WPA2. Click on the network name and hit *Forget*.



The network will disappear from the list.



If you were to try to connect to the NMT-ENCRYPTED-WPA-WPA2 network again, you would see a login box appear and have to provide your username and password again.

