# Connecting to Wi-Fi with MacOS

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

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# **Getting started**

If you are not currently connected to Wi-Fi, your Wi-Fi symbol (grey waves near the clock) will not be filled in.

**É Finder** File Edit View Go Window Help



If you click on those waves, 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 double click on it. For the purposes of this guide, we will be using *NMT-ENCRYPTED-WPA-WPA2*.

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Wi-Fi: Looking for Networks	
Turn Wi-Fi Off	
DIRECT-44640C32	ê 🤶
ENVI	🔒 🤶
KindZebra	1 🤶 1
NMT-AppleTV	
NMT-ENCRYPTED-MACOS-WPA-T	<b>₽</b>
NMT-ENCRYPTED-WPA-WPA2	<u> </u>
NMT-UNENCRYPTED-WEB-LOGIN	(iç
nmtp	(î;
Join Other Network	
Create Network	
Open Network Preferences	

A login prompt will appear. Enter in your user credentials: 900# and Banweb password. This may need to be done multiple times in order for the credentials to take. If you want your computer to remember this network so you don't have to sign in every time you connect, you can click the *Remember this network* box.

<b></b>	The Wi-Fi network "NMT-ENCRYPTED-WPA- WPA2" requires WPA2 enterprise credentials.	
	Username: Password: Show password Remember this network	
?	Cancel Join	

Assuming your credentials are correct, you will now be connected to the internet. You can click on the now-filled-in Wi-Fi waves and you will see a checkmark next to the network you are connected to.



#### Connect to an unencrypted wireless network

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



Most likely a pop-up window will now appear with this login page for the unencrypted network. If not, you can go to your favorite web browser and try to visit to a webpage, like <u>www.nmt.edu</u>. You will instead be greeted with this login page. Enter in your 900# and Banweb password and click *Login*.

• • •	Join "NMT-UNENCRYPTED-WEB-LOGIN"
*	New Mexico Institute of Mining and Technology
Welcome to the Ne	w Mexico Tech wireless network
You may use your Banner Please do not assume this Logging in as a registered Username: Password: Login	ID and password to obtain access. This page is encrypted but any page after this authentication IS NOT ENCRYPTED in any fashion connection is protected and never provide any information over this link without encryption (such as https and ssh). user indicates that your have read and accepted the <u>Acceptable Use Policy</u> (Rather use encryption? See FAQ below!).
Help using wireless encryp WARNING: Access to the system. You may use the i this network at any time a conduct and terms and cor	tion (FAQ). information and contents available through this network are proprietary and confidential. Only authorized users may access this nformation and contents solely in the manner for which it is intended and authorized. We reserve the right to monitor your use of nd in any manner. Misuse or unauthorized access may result in legal prosecution, penalties or enforcement of regulations governin nditions of employment.
< > https://	//wl-ctrl-3.wl.nmt.edu/aaa/nmt-webaaa.htm?wbaredirect=http://captive.apple.com/hotspot-detect.html

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



You can click on the now-filled-in Wi-Fi waves and you will see a checkmark next to the network you are connected to.

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Wi-Fi: On	
Turn Wi-Fi Off	
✓ NMT-UNENCRYPTED-WEB-LOGIN	((r.
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NMT-AppleTV	<b>₽</b> 🛜
NMT-ENCRYPTED-MACOS-WPA-T	🔒 🤶
NMT-ENCRYPTED-WPA-WPA2	ê 🤶
Join Other Network	
Create Network	
Open Network Preferences	

### **Check your connection**

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



## 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 Open Network Preferences.





Then click on *Advanced*, near the bottom right-hand side of the page.

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. Highlight that network and then click the minus sign below the list of known networks.

	>			Netw	ork		(	2 Search
🔶 Wi-Fi								
•	Wi-Fi	TCP/IP	DNS	WINS	802.1X	Proxies	Hardware	
Pre	eferred Net	works:						
Ne	etwork Name			Se	ecurity			
N	MT-Guest			N	one			
+	Drag	g networks i	nto the or	rder Seard upon	ch for the pre wake and re	eferred netwo start. You ca	orks in this ord n manually	er
Re	quire admir	hetworks	uthorizat	tion to:	gure this list	•		_
	Create c Change Turn Wi-	omputer-1 networks Fi on or o	co-comp	uter netv	vorks			
Wi	-Fi Address	s: 28:cf:e	9:12:c0:k	of				
?							Cancel	ОК
			-	_				

The network will disappear from the list.

				Netwo	ork		0	Search
🧼 Wi-Ei	i							
<b>~ W</b> -11	Wi-Fi	TCP/IP	DNS \	WINS	802.1X	Proxies	Hardware	
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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.

(î	The Wi-Fi network "NMT-ENCRYPTED-WPA- WPA2" requires WPA2 enterprise credentials.
	Username: Password: Show password Remember this network
?	Cancel Join