Wireless Setup Instructions for Windows 8

1. Make sure that your wireless is turned on. (You may need to flip a switch or press a button on your laptop.) On most laptops you should see a light that indicates that your wireless is turned on or off.





3. Right click the wireless icon located on the bottom right of your screen (on the taskbar). From the menu that appears, click **Open Network and Sharing Center**.



4. When the Network and Sharing box opens, click Set up a new connection or network.



5. Choose a connection option by clicking Manually connect to a wireless network. Click Next.



6. On the next screen, fill in the information as follows: Network name: type CU-Students (It must be typed exactly as shown paying close attention to capitalization!) Security Type: WPA2-Enterprise Encryption type: TKIP Click Next.

		- 5	2	×
📀 🚊 Manually connect	to a wireless network			
Enter information f	or the wireless network you want to add			
Network name:	CII Studente			
H <u>e</u> twork name.	co-students			
Security type:	WPA2-Enterprise 🗸			
Enc <u>ryption</u> type:	TKIP			
Se <u>c</u> urity Key:	Hide characters			
✓ S <u>t</u> art this connecti	on automatically			
Connect even if th	e network is not broadcasting			
Warning: If you se	lect this option, your computer's privacy might be at risk.			
	Next		ance	

Your wireless is now set up; however we have to change some of the default settings.
 Click <u>Change connection settings</u>.

S 🖉 Manually connect to a wireless network	×
Successfully added CU-Students	
Change connection settings Open the connection properties so that I can change the settings.	
τ	
	Close

8. The CU-Students Wireless Network Properties box opens. Click the Security tab.

CU-Students Wireless Ne	etwork Properties
Connection Security	
Name: CU-Students	
SSID: CU-Students	
Network type: Access point	
Network availability: All users	
Connect automatically when this ne	twork is in range
Look for other wireless networks when the second	ile connected to this network
Connect even if the network is not b	proadcasting its name (SSID)
	OK Cancel

9. Under Choose a network authentication method: **Microsoft: Protected EAP (PEAP)** should already be selected. If not, select it and then click the **Settings** button to configure the options for PEAP properly.

CU-Student:	Wireless Network	Properties	x
Connection Security			
S <u>e</u> curity type:	WPA2-Enterprise	~	
Encryption type:	TKIP	~	
Choose a network aut	hentication method:		
Microsoft: Protected	EAP (PEAP) 🗸 🗸	Settings	
Remember my cree	lentials for this connection	n each	
A durant of a thing of			
A <u>d</u> vanced settings			
	O	K Cancel	

- 10. The Protected EAP Properties box opens (as shown below). <u>Uncheck</u> Verify the server's identity by validating the certificate.
 - a. Under Select Authentication Method: select **Secured password (EAP-MSCHAP v2)** if not already selected.
 - b. Place a check mark next to Enable Fast Reconnect if not already checked.
 - c. Click the **<u>Configure...</u>** button.

	Protected EAP Properties ×	
	When connecting:	
Click to	Verify the server's identity by validating the certificate	
uncheck	Connect to these servers (examples:srv1;srv2;.*\.srv3\.com):	
	Trusted <u>R</u> oot Certification Authorities:	
	AddTrust External CA Root America Online Root Certification Authority 1 Baltimore CyberTrust Root Class 3 Public Primary Certification Authority DigiCert High Assurance EV Root CA Entrust Root Certification Authority Entrust.net Certification Authority (2048) Notifications before connecting: Tell user if the server's identity can't be verified	
	Select Authentication Method: Secured password (EAP-MSCHAP v2) ✓ Configure ✓ Enable East Reconnect Enforce Network Access Protection	
	Disconnect if server does not present cryptobinding TLV Enable Identity Privacy	
	OK Cancel	

11. From the EAP MSCHAPv2 Properties box, <u>uncheck</u> the option to **Automatically use my Windows** logon name and password (and domain if any).

If not unchecked, the connection will use the local logon name and password which will not match your Claflin Username and Password.

Click OK twice to return to the CU-Students Wireless Network Properties box.

EAP MSCHAPv2 Properties
When connecting:
password (and domain if any).
OK Cancel

12. You should now be back on the Security tab. Click the **Advanced Settings** button.

CU-Students	Wireless Networ	rk Properties
Connection Security		
Security type:	WPA2-Enterprise	*
Encryption type:	TKIP	~
Choose a network aut	hentication method:	
Microsoft: Protected	EAP (PEAP) 🗸 🗸	Settings
Remember my crea	dentials for this connect	ion each
une in logged on		
Advanced settings		
		OK Cancel

 Place a check mark next to Specify authentication mode: by clicking in the check box. You can now choose an authentication mode.

Click the dropdown box and choose <u>User authentication</u>.

To save your credentials, click the **<u>Save credentials</u>** button.

	Advanced settings
	802.1X settings 802.11 settings
Click to check	Specify authentication mode:
Drop down	User authentication
box	Delete credentials for all users
	Enable single sign on for this network
	Perform immediately before user logon
	Perform immediately after user logon
	Maximum delay (seconds):
	✓ Allow additional dialogs to be displayed during single sign on
	This network uses separate virtual LANs for machine and user authentication
	OK Cancel

14. The Windows Security box opens for you to type your credentials. Type your network username and password. (Do not type your email address. Your username is the first portion of your email address before the @ sign.) Click **OK**.

Click **Ok** to close the Advanced Settings box. Click **Ok** again to close the network properties box.

	Windows Security	×
Save creder Saving your cre when you're ne	ntials edentials allows your computer to connect to the network ot logged on (for example, to download updates).	د
P	shanelle	
	OK Cancel	

- 15. Click **Close** to close the Manually connect to a wireless box.
- 16. It should take less than 1 minute for your wireless to connect. If it doesn't connect automatically, click on the wireless icon (lower right of screen) to display your connections.
- 17. Click on the CU-Students connection and then click Connect.



18. Once you click connect, CU-Students will check the network requirements and connect if everything is correct.

Networks	
CU-Students	
Checking network rec	quirements
	Cancel

19. Your screen should now look like the following: CU-Students Connected

			Airplane mode Off	
	Network and Sharing Cer	nter – 🗆	× Wi-Fi	
	ol Panel Items Network and Sharing Center View your basic network informati View your active networks CU-Students Public network Change your networking settings Set up a new connection or networ Set up a broadband, dial-up, or VP Troubleshoot problems Diagnose and repair network problem		CU-Students Connected CU-Guest CU-PANTHER CU-GUEST HP-Print-85-LaserJet H1217 hpsetup ATT008 Hidden network	
See also HomeGroup Internet Options Windows Firewall			Activate Windows Go to PC settings to activate Windo	

20. If your credentials weren't typed correctly, the connection won't say connected or you may see the following...

Network Authentication
shanelle
þassword
The user name or password is incorrect.

21. <u>Do not</u> attempt to type your password here. Even if you type your password correctly, it will not be accepted because the credentials don't match what was typed previously in the security box (Step 14). To keep from locking your account, click **Cancel** instead. 22. You will get a message stating Can't connect to this network. Click **Close**.

Networks		
CU-Students	.all	
Can't connect to this network		
Help me solve connection	n problems	
	Close	

23. From the list of connections, right click CU-Students. From the menu that appears, click <u>View</u> <u>connection properties</u>.

Ne	Show estimated data usage	
Airr Off	Set as metered connection	
	Forget this network	
Wi	View connection properties	
CU-S	tudents	.atl
CU-G	Guest	9 11

24. The CU-Students Wireless Network Properties box opens; click on <u>Advanced Settings</u>. At the bottom of the Advanced Settings box, you can see a message that says The credentials stored with the profile are invalid.

Advanced settings				
802.1X settings 802.11 settings				
Specify authentication mode:				
User authentication				
Delete credentials for all users				
Enable single sign on for this network				
Perform immediately before user logon				
Perform immediately after user logon				
Maximum delay (seconds):				
✓ Allow additional dialogs to be displayed during single sign on				
This network uses separate <u>v</u> irtual LANs for machine and user authentication				
The credentials stored with the profile are invalid				
OK Cancel				

25. To correct this problem, click the **<u>Replace credentials</u>** button. From the Windows Security box, retype your network username and password . Click **Ok**.

Windows Security		×	
Save credentials Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates).			
P	shanelle		
	OK Cancel		

- 26. Click **Ok** to close the Advanced Settings box. Click **Ok** again to close the network properties box.
- 27. Click on the CU-Student connection and click <u>Connect</u>. If your credentials were entered correctly, you should now be connected.
- 28. **Your wireless is setup and ready to use**. Whenever the laptop is within range of the CU-Students wireless network, it will automatically attempt to connect. The only time you will have to worry about this connection is when your password changes; then you will need to go into the settings as shown in steps 23 through 27 and re-enter your credentials.

Tips and Troubleshooting

- 1. To connect to the wireless network manually or to check which network your wireless is connected to, follow these instructions:
 - a. In the lower right hand corner of the screen, next to the time, you may see the following screenshot. This screenshot shows an "Excellent" strength connection but to which network?



b. To determine which network you are connected to or to see additional wireless networks which may be available to you, simply click on the signal strength indicator which is inside the red circle above. It will bring up the following screen which shows that the CU-Students wireless network is currently connected and the signal strength is excellent.



c. If nothing is connected but you want to connect to CU-Students and you have previously setup the manual connection, then click on CU-Students and a Connect (or Disconnect if already connected) button will appear. Simply click on the Connect button and it will attempt to connect to the CU-Students wireless network. The screen will look similar to the one below.



- d. You should now be connected to the CU-Students network.
- 2. CU-Students is not connecting: The CU-Students connection keeps saying connecting, but never connects or says connecting and then connecting disappears. If you encounter one of these problems, you may want to double check the setting as well as the username and password that were entered in the Windows Security box (as shown in step 14).

Networks		
Airplane mode Off		
Wi-Fi		
CU-Students	Connecting	.atl
CU-Guest		% 11
CU-PANTHER		.atl

3. How do I change the settings if I need to?

- a. Click on the wireless icon located on the taskbar on the bottom right.
- b. From the list of connections, right click CU-Students. From the menu that appears, click **View connection properties.**
- c. Refer to steps 9 through 15 and make sure all settings are correct.

Ne	Show estimated data usage	
Airp Off	Set as metered connection	
	Forget this network	
Wi	View connection properties	
CU-S	tudents	.atl
CU-G	uest	% #

- 4. How do I delete the connection and start over? To delete the connection, right click CU-Students and choose **Forget this network**. Although you may still see the CU-Students connection, it is no longer set up. Now you can set up the connection again (using the install instructions above).
- 5. As always, you may contact the Claflin University Helpdesk by sending an email to <u>helpdesk@claflin.edu</u>, by calling 803-535-5767 (5SOS), or stop by our office in JST 128.