

**Catawba College Information Technology**  
**Network Access Instructions for**  
**Commuting Students and Campus Guests**  
**For Academic Year 2011-2012**  
*Last Revision Date: April 12, 2011*

**SECURE NETWORK ACCESS OPTIONS**

Catawba College provides two different types of secure high-speed network access to its commuting students, as described below. This secure network access is also available to employees and campus guests who bring personally-owned computers to campus. Note that secure network access does require setting up your computer to do 802.1x authentication. If you do not wish to do this set up on your computer, see page 3 for instructions on connecting to the low-security guest wireless network. The guest wireless network requires no special set-up on your computer.

**Medium-Security Wireless Network: CatUSkyNet2**

Catawba College's medium-security wireless network, CatUSkyNet2, provides substantial wireless coverage in almost all academic, administrative, and residential buildings on campus. All traffic going across this medium-security wireless network is encrypted (WPA2 encryption). All computing devices must authenticate via 802.1x authentication and login with a valid Catawba username and password.

**Medium-Security Wired Public Network**

There are three different wired network classifications at Catawba College, namely the employee network, the residence hall network, and the public network. While commuting students and campus guests can not access the employee or residence hall network, they can access the public wired network. The public wired network currently includes the publicly accessible wired ports in the library, as well as two tiered classrooms in the Ketner building (201 and 213) where there is a wired port at every seat, the instructor podiums in Ketner, and the lobby ports in Ketner. All computing devices using this network must authenticate via 802.1x authentication and login with a valid Catawba username and password.

**SECURE NETWORK ACCESS INSTRUCTIONS**

Follow the instructions that follow to set up your computer to access either of the secure networks described above. Note that this set up is a one-time per computer procedure which can be completed from on or off-campus. To complete the Windows procedure on-campus, you will need to plug the computer into a wired public network port or connect to the low-security wireless, CatUSkyNet-Portal (see page 3).

**NOTE:** Resident students with a computer that has been set up to access the wired residence hall network and employees with a College-owned computer that has been set up to access the wired employee network are also set up to access the medium-security wireless network and wired public network. No further set up is required.

**Windows 7 Instructions**

1. Open a web browser. Type **catnetconnect.catawba.edu** for the address.
2. Login using your Catawba username and password.
3. Scroll to the section of the screen labeled **Evening and Graduate Studies/Commuting Students/Employees**.
4. Double-click the option labeled **Secure Network Authentication Install for Windows 7**.
5. Choose to run this software configuration script. The script will configure the native Windows 7 802.1x authentication client with profiles that allow your computer to automatically work with the

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secure wireless network, CatUSkyNet2, and the secure wired public network without any additional set up. If you are in range of a wireless access point, or your computer is connected to a wired public port, simply open a web browser. Enter your Catawba username and password to authenticate to the network when prompted.

### **Windows Vista Instructions**

1. Open a web browser. Type **catnetconnect.catawba.edu** for the address.
2. Login using your Catawba username and password.
3. Scroll to the section of the screen labeled **Evening and Graduate Studies/Commuting Students/Employees**.
4. Double-click the option labeled **Secure Network Authentication Install for Windows Vista**.
5. Choose to run this software configuration script. The script will configure the native Windows Vista 802.1x authentication client with profiles that allow your computer to automatically work with the secure wireless network, CatUSkyNet2, and the secure wired public network without any additional set up. If you are in range of a wireless access point, or your computer is connected to a wired public port, simply open a web browser. Enter your Catawba username and password to authenticate to the network when prompted.

### **Windows XP Instructions**

1. Open a web browser. Type **catnetconnect.catawba.edu** for the address.
2. Login using your Catawba username and password.
3. Scroll to the section of the screen labeled **Evening and Graduate Studies/Commuting Students/Employees**.
4. Double-click the option labeled **Secure Network Authentication Install for Windows XP**.
5. Choose to run this software installation script. The script will install the Cisco Secure Services software, which is an 802.1x authentication client, and profiles that allow your computer to automatically work with the secure wireless network, CatUSkyNet2, and the secure wired public network without any additional set up. If you are in range of a wireless access point, or your computer is connected to a wired public port, simply open a web browser. Enter your Catawba username and password to authenticate to the network when prompted.

### **Apple Instructions**

1. Open a web browser. Type **catnetconnect.catawba.edu** for the address.
2. Login using your Catawba username and password.
3. Scroll to the section of the screen labeled **Evening and Graduate Studies/Commuting Students/Employees**.
4. Double-click the option labeled **Register an Apple Computer**.
5. Enter the MAC address for your computer's wireless network card. There are instructions on the screen that tell you how to determine your wired and wireless card's MAC address. If you also want to be able to connect to the medium security wired public network, in addition to wireless, also enter the MAC address for your computer's wired network card. Then click **Register**.
6. Set up your computer to do 802.1x authentication following the instructions on the screen.

Contact the IT help desk at 704-637-4666, submit a help request online at <https://helpdesk.catawba.edu>, or bring your computer and its power supply to the IT help desk if you have any questions or problems with this information. Our office is located on the ground floor of the Hoke building. Office hours are 7:45 a.m. until 5 p.m. M-F and until 6:30 p.m. on Monday and Thursday.

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**GUEST NETWORK ACCESS**

**Low-Security Wireless Network: CatUSkyNet-Portal**

Catawba College's low-security guest wireless network, CatUSkyNet-Portal, provides substantial wireless coverage in almost all academic, administrative, and residential buildings on campus. All traffic going across this low-security wireless network is completely unencrypted. All computing devices must login with a valid Catawba username and password. This network is not as fast as the medium-security wireless network, CatUSkyNet2, and it will require that you re-authenticate every hour. We strongly encourage all campus community members to use the medium-security CatuSkyNet2 network. This low-security wireless network exists primarily for the use of guests and visitors to campus. Because CatUSkyNet-Portal does not do encryption, and does radius authentication rather than 802.1x authentication, it takes very little setup work on the computer to connect to this network. It is a very open network, which means it is inherently much less secure than the other network options available to the campus community.

**GUEST NETWORK ACCESS INSTRUCTIONS**

**NOTE:** Guests and visitors to campus will need to get a guest login username and password from our office. This information will need to be requested by a member of the campus community, with specific information as to begin and end dates for the guest access. CatUSkyNet-Portal only provides access to the commodity internet, so if the guest requires any special port access beyond commodity internet, this must be discussed with us well in advance so it can be determined if and how that need can be accommodated.

1. Make sure you have a valid Catawba username and password to authenticate to the network (see note above).
2. Make sure that your wireless network card is enabled.
3. Search for wireless networks and connect to the network labeled "catuskynet-portal".
4. Open a web browser, and when prompted, enter your Catawba username and password to authenticate to the network.

Contact the IT help desk at 704-637-4666 or submit a help request online at <https://helpdesk.catawba.edu> if you have any questions or problems with this information. Our office is located on the ground floor of the Hoke building. Office hours are 7:45 a.m. until 5 p.m. M-F and until 6:30 p.m. on Monday and Thursday.