Important Information for MacOS and Unix Users

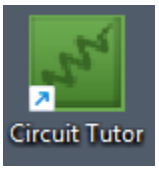
The web portion of Circuit Tutor can be run from any operating system. The web-based tutorials include Basic Electrical Waveforms (not used this semester), L/C Waveform Sketching (not used this semester), Bode Plots, Laplace Transforms, and Inverse Laplace transforms.

The remainder of Circuit Tutor uses a downloadable Windows program that does NOT run on Macs. The following guide applies to the recommended method of running Circuit Tutor outside of Windows, which is to use Apporto Virtual Lab (usually accessible through Canvas). If this is unfeasible or undesirable, different methods are listed in an Appendix section.

Apporto Software/FSE Virtual Cloud (RECOMMENDED)

Note: If you experience problems running Apporto, please contact Jonathon Langerman <Jonathon.Langerman@asu.edu> in ETS. The Circuit Tutor team can NOT assist with Apporto as it is managed by ETS. You can however let us know if you do not get a response from them directly. Other options listed below can be used if it is not working (virtual machine is the recommended one—see Appendix).

Simply go to your EEE 202 course in Canvas and click on Apporto Virtual Lab, then log in with my.asu.edu. If you do not see this tab, ask your instructor to enable it for you (we cannot do that). Alternatively, you can log in directly at https://asu.apporto.com/ using your ASURite ID. Find the green Circuit Tutor item on the Apporto desktop and click to launch it. There is nothing to install. Note: The introductory tutorials are more easily accessible directly at www.circuittutor.com using any operating system.



Citrix Installation Guidelines (NOT RECOMMENDED)

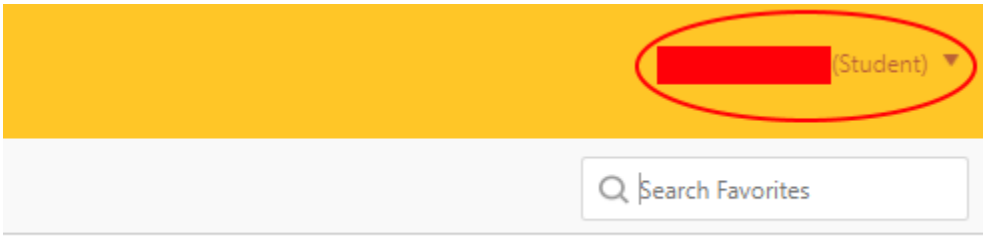
NOTE: Citrix users often experience problems logging in. Further, the circuit editor in Circuit Tutor does not work well from Citrix. It is currently NOT RECOMMENDED unless Apporto is temporarily unavailable and you have no other option. If you have any problems, contact the UTO Helpdesk (the Circuit Tutor team can NOT assist with any Citrix problems and does not control that system). **NONE OF THE FOLLOWING IS GUARANTEED TO WORK!**

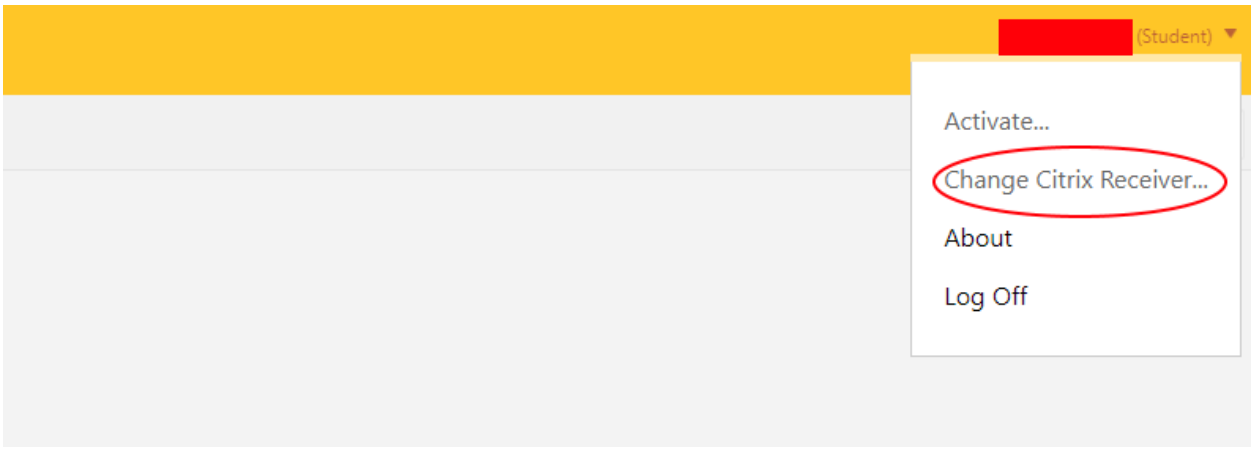
Users of other operating systems such as MacOS and Linux can install Citrix Workspace. Citrix can also be used on Windows if you are encountering issues installing Circuit Tutor. In summary, if Citrix is compatible with your operating system, you can run Circuit Tutor through Citrix.

When installing Citrix Receiver/Citrix Workspace, you will first have a choice. You can either use the light version or install the program. The former method is easier but installation is recommended, as it will run the program in a fullscreen window (rather than in a smaller browser window), and will allow you to access local computer resources such as printers and USB drives (which is not possible from the light version). Installation however takes longer and requires a restart, which of course is not usually possible on public (e.g. library) computers.

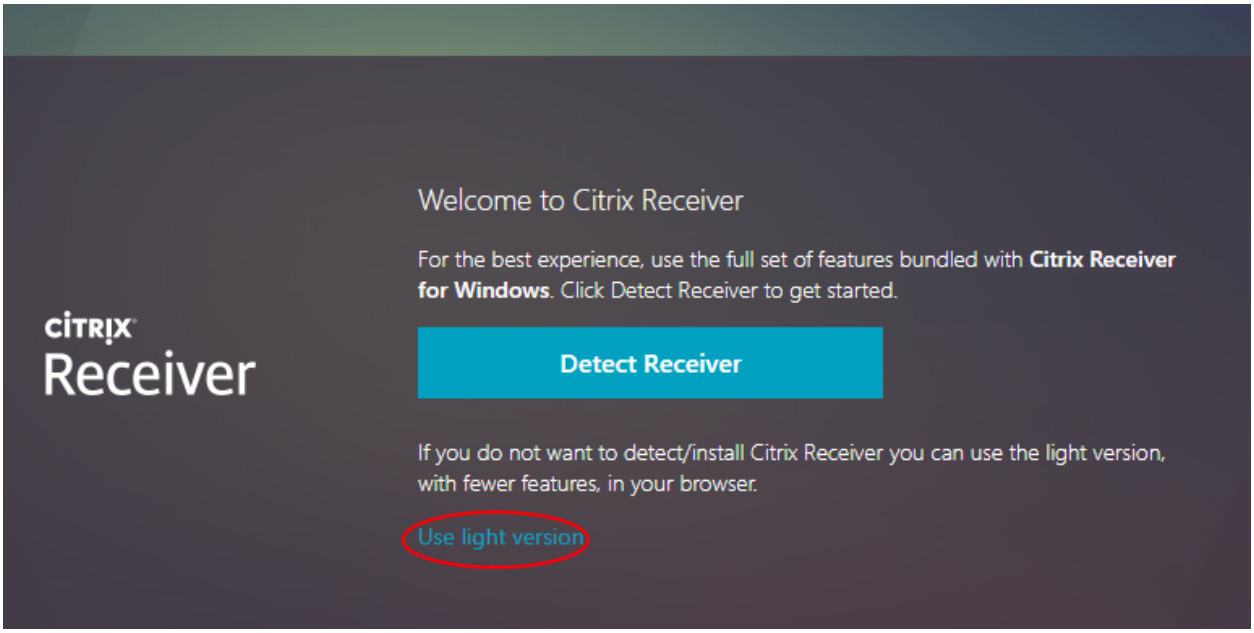
Running the Light Version (Fastest Method)

To run the light version, go to https://studentappst.asu.edu/Citrix/StudentApplicationsWeb/ , then click your name in the top right corner. Then, click “Change Citrix Receiver…”



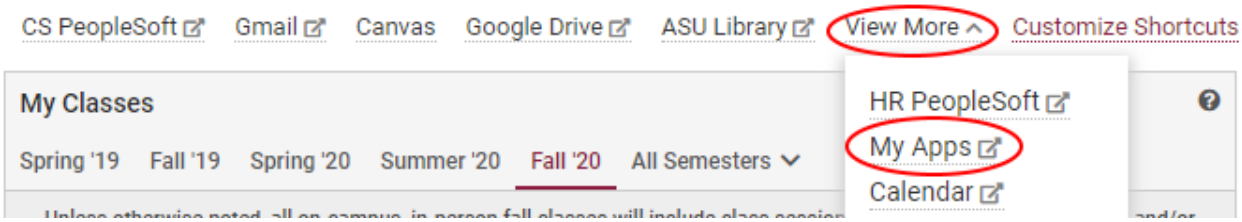


Then, select “Use light version.” After this, you may skip to the instructions under the “Running Circuit Tutor” header. You might also be directly prompted to make the choice.



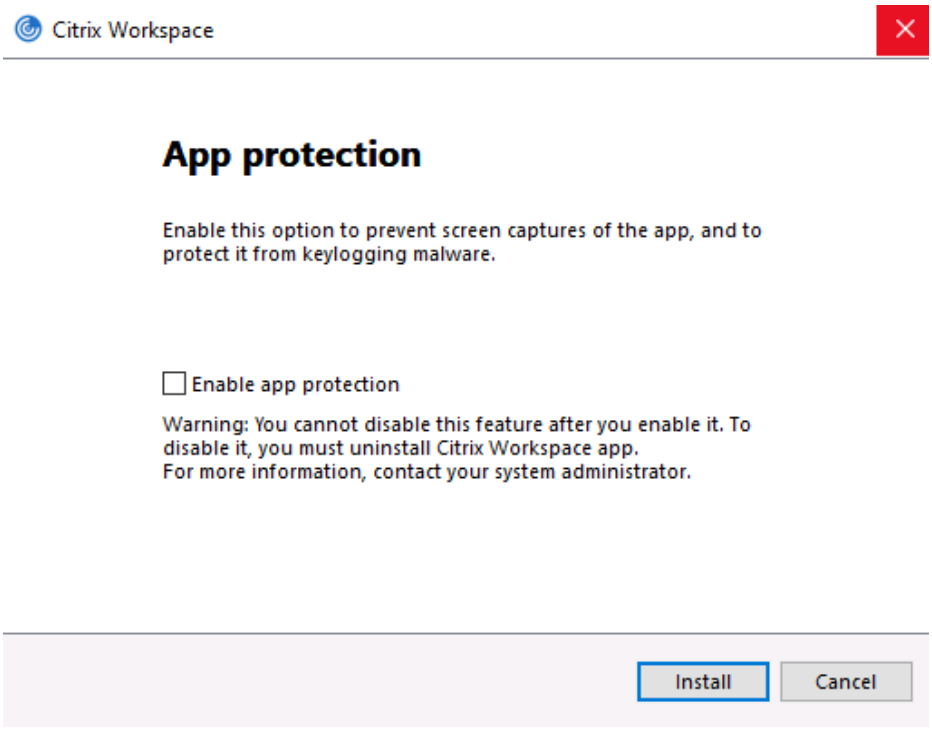
Installing the Client (Recommended Method)

If you choose to install Citrix Workspace, this can be found through My Apps on My ASU. Search for Citrix Workspace (it may come up as Citrix Receiver Client; this is the same thing).

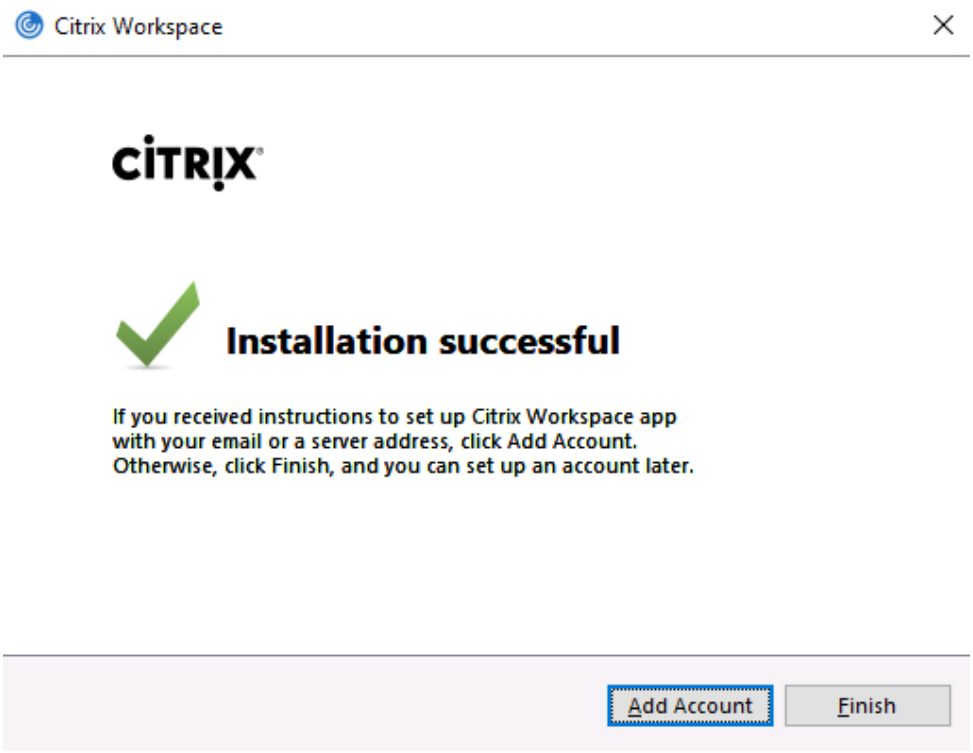


Follow the prompts to Citrix.com to download for your preferred operating system. Run the executable file.

Follow the prompts. You do not need to enable App Protection.

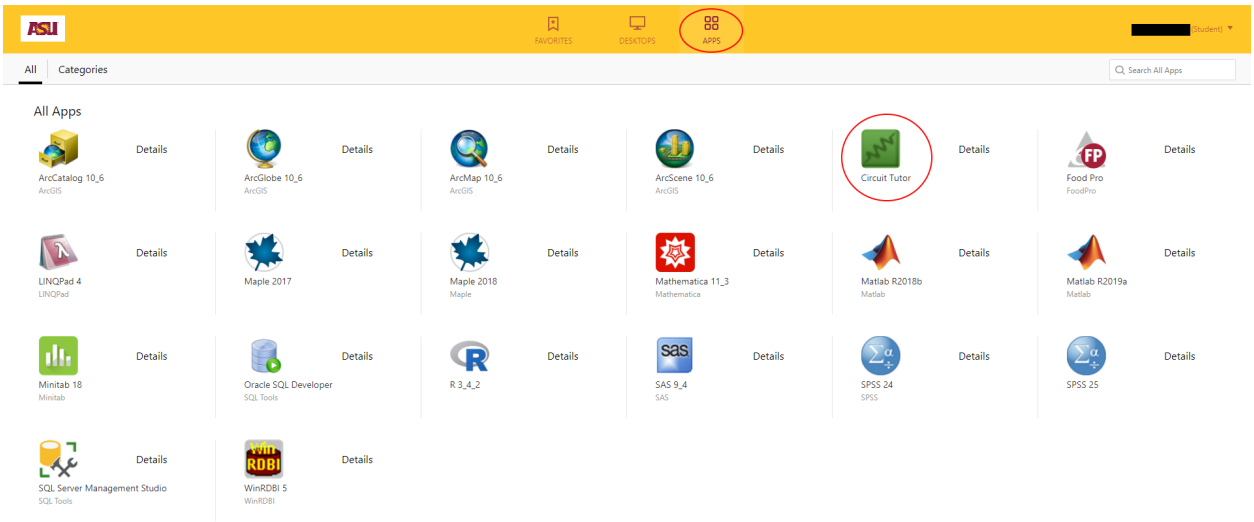


You do not need to add an account. You may simply press “finish.”



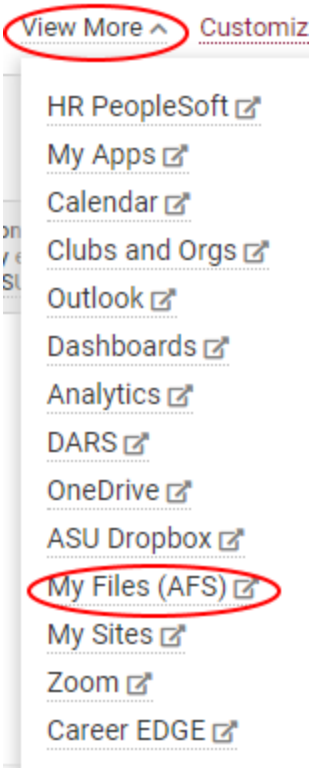
Running Circuit Tutor

Now that you have Citrix Workspace installed, you can run Circuit Tutor. To do this, go to https://studentappst.asu.edu/Citrix/StudentApplicationsWeb/ and then click the "APPS" button. (If you encounter a login prompt, please note that you should use your ASURITE credentials. The only places to use your Circuit Tutor credentials will be on circuittutor.com or once you have launched the Circuit Tutor app.) You should find Circuit Tutor on the list. Click this and Circuit Tutor should start through Citrix Workspace. You may need to select Citrix Workspace as the app to use to open the link.



Where to find transcripts

If you are using Citrix, transcripts will not appear on a directory in your computer. Instead, they can be accessed through My ASU. Click “View More” and then “My Files (AFS).” In the Circuit Tutor Files\Work Summaries directory, all transcripts made in Citrix should be available. See image to the right.



Limitations of the Citrix Version

There are some known problems with the Citrix version (these are not issues with the Circuit Tutor software and we cannot fix them).

1. The circuit editor feature often does not work in Citrix and is essential to certain games.

2. Errors launching Acrobat Reader. You will see a series of three error messages each time this program is launched to view help or transcripts. Just dismiss them, it will work fine.

3. Message box title bars may be black, making it hard to read the titles. While not generally important, clicking on the main Circuit Tutor screen will toggle that display to make it readable.

Appendix

The following provides additional, non-Citrix options for running circuit Tutor.

1. If you already have Windows 10 or 11 or other Windows system installed under Bootcamp, use that (only works on very old Macs using Intel hardware).

2. If you do not, we recommend VirtualBox from Oracle, which can be downloaded FREE at https://www.virtualbox.org/wiki/Downloads (click on OsX hosts if that is what you are using). Once that is installed, you need to install Windows 11 or 10. Most students can get the latter FREE from myApps under my.asu.edu: https://myapps.asu.edu/home . Choose the Category of Operating Systems. Then you can download and install Windows 10 under VirtualBox. (You can also use Parallels if you have that installed; it is available free from https://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?cmi_mnuMain=f189368a-f0a6-e811-8109-000d3af41938&ws=482e694c-1242-dd11-abb7-0030485a6b08&vsro=8).

3. Currently, UTO does not allow any software like Circuit Tutor to be installed on ASU-owned computers, so this is no longer an option.

4. Another (less desirable) option is to install the Windows (obtained as noted above) using Bootcamp (which is built into the Mac OS) rather than using VirtualBox. However, you should first backup your

drive, as this option can go horribly wrong as it partitions your drive. If the partition is not successful, which can easily happen, you will permanently lose that portion of their hard drive until you reformat it. So, we strongly recommend doing VirtualBox instead, which does not have this problem and can be easily deleted when you are done using it.