

How to Install NI LabVIEW Student Edition

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Overview

The following document explains how to install LabVIEW Student Edition, along with toolkits and hardware drivers. This experience is tailored for this installer suite, but a similar experience exists for other software installations.

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1. Order of Installation

There is a proper order for installing National Instruments software due to how the individual pieces work together. Here is the installation order required:

1. Development System (LabVIEW)
2. Software Toolkits and Modules (LabVIEW Control Design and Simulation Toolkit)
3. Hardware Drivers (NI-ELVISmx Device Driver)

The development system is installed first because it is the base or platform onto which everything is installed. The toolkits and modules are then installed because they are dependent on the development system, and they are then added into the proper place of the development system such as the functions palette of LabVIEW. Finally, the drivers are installed and the driver support for the development system and toolkits is installed at the same time.

If they are not installed in this order, the dependent features will not realize that the development system is present and thus not appear in the development system environment. A common occurrence is when NI-DAQmx is installed first, a hardware driver, and then the development environment, LabVIEW, is installed. Although both are installed, the functions for NI-DAQmx do not appear in LabVIEW because the directories were not created and driver support for the development system did not install. In this case, the NI-DAQmx driver must be reinstalled.

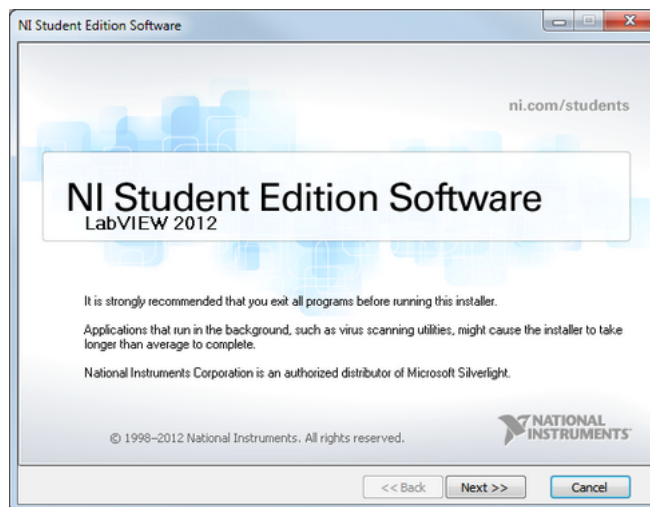
Because the Student Edition and Student Edition Software Suite are in fact suites, they bundle together several installers and install the software in the proper order.

Note: If you are installing software from individual installers and not from a suite, you **must** install in the aforementioned order.

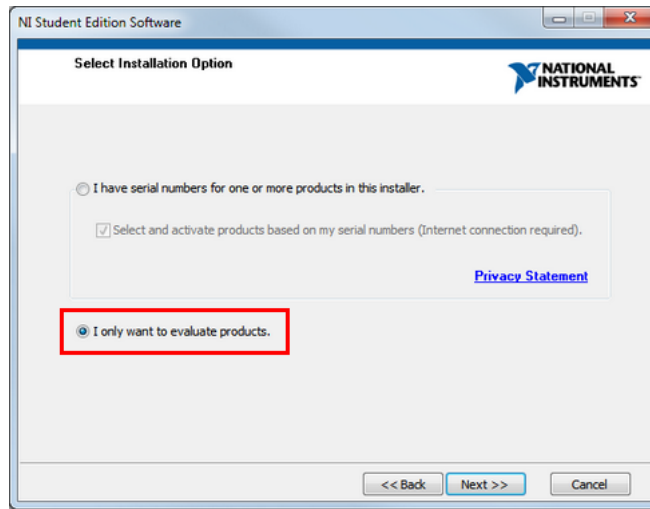
2. Install Products

This requires the LabVIEW Student Edition DVD or that you have downloaded LabVIEW. Click here to download LabVIEW Student Edition (<https://lumen.ni.com/nicif/us/acadevallvdl/content.xhtml>). Note that this download is only an evaluation, and you must purchase a serial number to activate and use the software beyond the evaluation period.

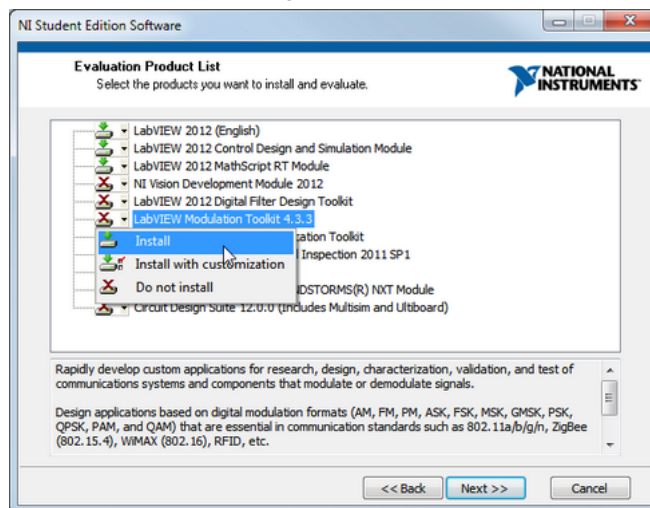
1. Perform one of the following:
 - If you have a physical DVD, insert the LabVIEW Student Edition or Student Edition Software Suite DVD into the DVD drive of your PC. If Auto Play is enabled, the installer should automatically open and begin to initialize. If not, locate the DVD and right-click and select Explore. Double-click on **Setup.exe**.
 - If you have downloaded the software online or from a network location, double-click **setup.exe**.
2. Allow installer to initialize and then select **Next**.



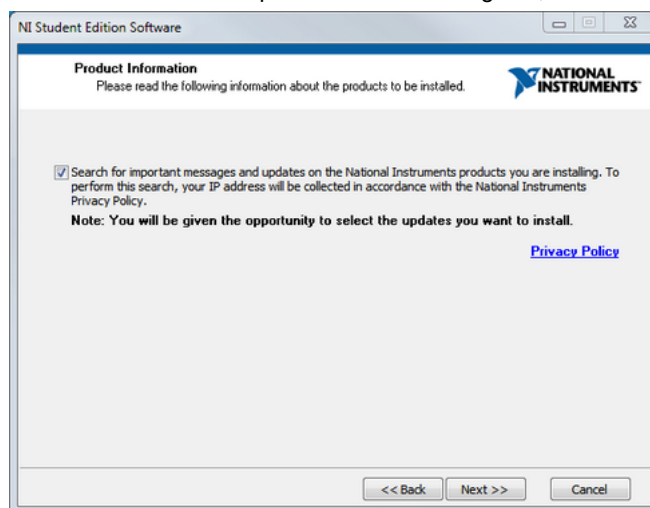
3. Select **I only want to evaluate products**. You can activate the software with your serial number after completing the installation as discussed in the subsequent tutorial, How to Activate LabVIEW Student Edition (<http://www.ni.com/white-paper/14146/en>). Select **Next**.



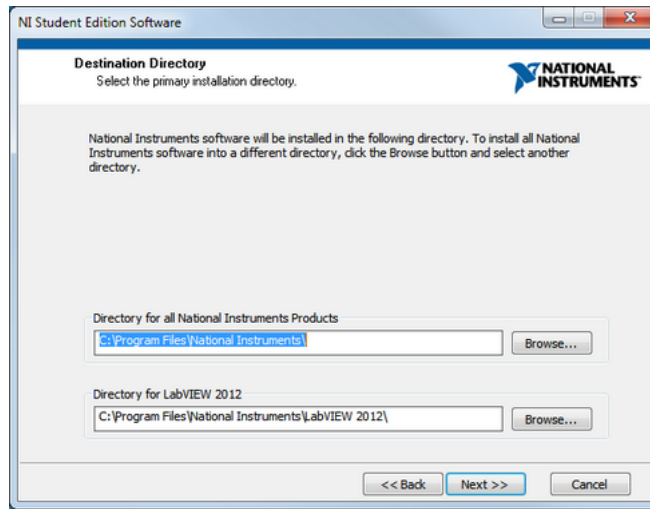
4. Select the products that you would like to install. To add a product, left-click and select **Install**. To remove a product, left-click and select **Do not install**. Select **Next** after selecting all desired software.



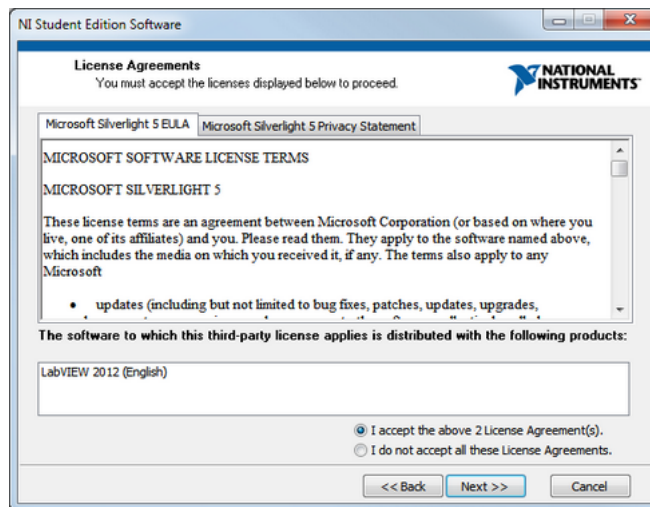
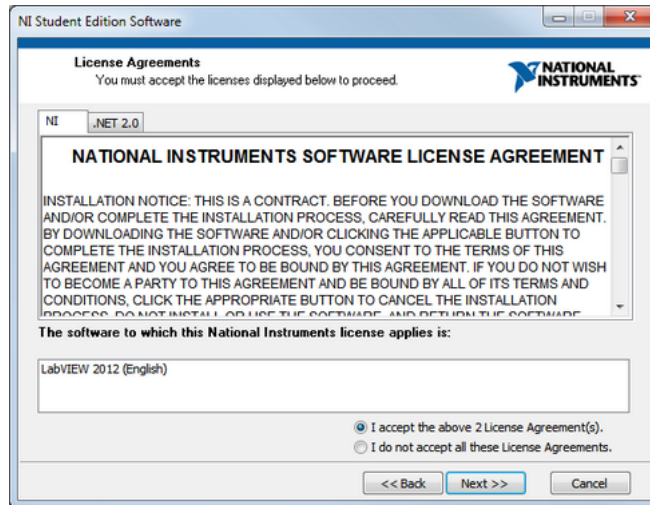
5. Depending on when you install your software, it is possible that there have been updates released for your products. At this point, you can choose to contact National Instruments to see if any updates exist. This is not required, and can also be done using the NI Update Service after installation. To proceed without doing this, deselect the checkbox. Select **Next**.



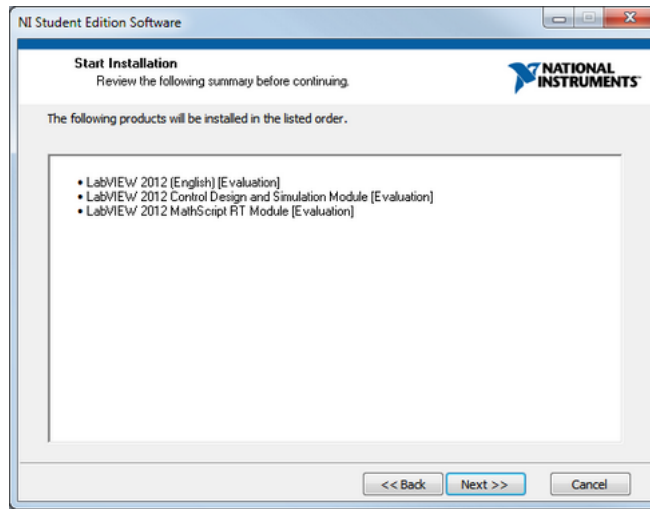
6. You can modify the installation path, but it is **not recommended**. Select **Next** to proceed without changing the default path.



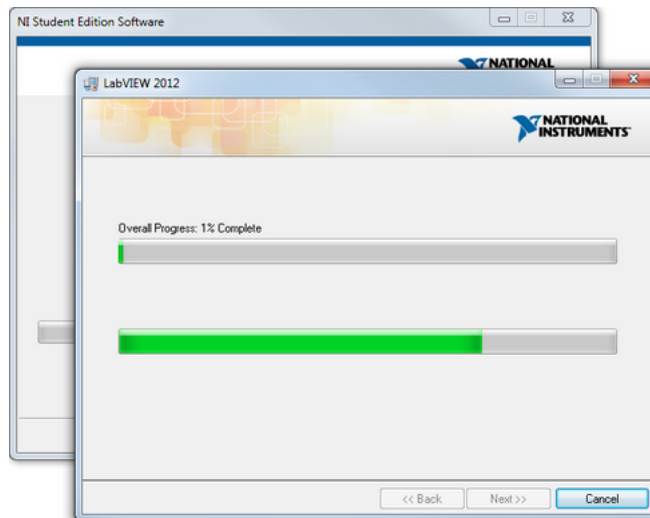
7. You must read and agree to the License Agreements—two windows contain license agreements. For each window, select **I accept** and then select **Next** to proceed.



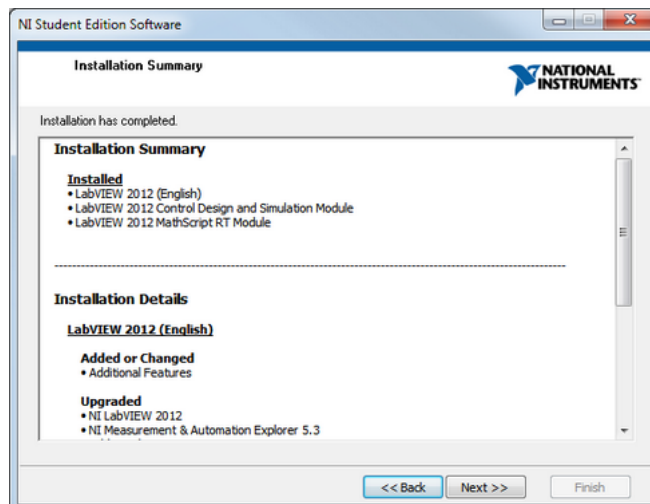
8. Before you proceed, ensure that all desired products to be installed are listed accordingly. Select **Next** to proceed.



9. The installation will now begin. During the installation, the individual installers for each product will be invoked and appear as seen below.



10. After all products have been installed, the installation summary will be displayed. Select **Next** to proceed.



11. The installation is now complete. At this point, reboot your machine before using any newly installed software. This ensures the proper keys are written to the registry to allow the software to function correctly.

If you wish to install hardware drivers to allow you to program hardware within the LabVIEW development environment, proceed to the following section, Install Hardware Drivers. If you do not need to install hardware drivers, proceed to the Launch LabVIEW section.

3. Install Hardware Drivers

After installing LabVIEW Student Edition and any modules or toolkits, it is now the correct time to install hardware drivers.

You can obtain the hardware drivers to use with LabVIEW in two ways: (1) from the Device Drivers DVD or (2) from individual installers. You can obtain the Device Driver DVD from your software administrator if you are on a campus that has an Academic Site License or you can download the individual driver that you need online (recommended).

Listed below are three of the most popular drivers:

1. **NI-DAQmx** provides access to the large majority of NI multifunction data acquisition devices such as NI CompactDAQ, NI myDAQ, and the NI Educational Laboratory Virtual Instrumentation Suite (NI ELVIS).
»Download the NI-DAQmx device driver
(<http://www.ni.com/nisearch/app/main/p/bot/no/ap/tech/lang/en/pg/1/sn/catnav:du,n8:3478.41.181.5495,ssnav:sup/>)
2. **NI-ELVISmx** includes the NI-DAQmx driver, and also provides a suite of software instruments to use with an NI ELVIS or NI myDAQ device.
»Download the NI-ELVISmx device driver
(<http://search.ni.com/nisearch/app/main/p/bot/no/ap/tech/lang/en/pg/1/sn/catnav:du,n8:4018.9897,ssnav:sup/q/elvismx/>)
3. **NI-RIO** provides access to the NI CompactRIO and NI Single-Board RIO devices.
»Download the NI-RIO device driver
(<http://search.ni.com/nisearch/app/main/p/bot/no/ap/tech/lang/en/pg/1/sn/catnav:du,ssnav:sup/q/rio/>)

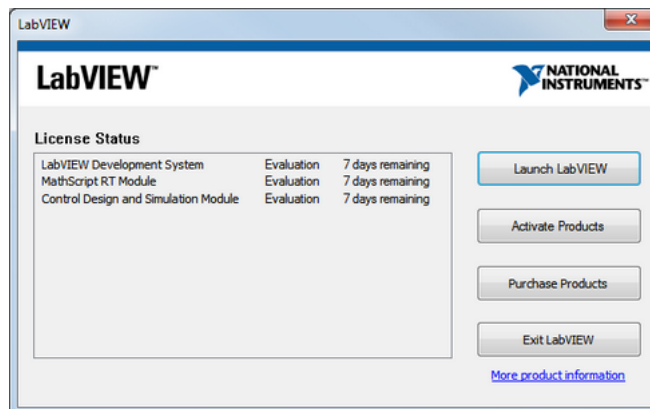
There are also many other drivers available to download such as VISA, serial, and 488.2 (GPIB).

»Search for additional hardware drivers (<http://www.ni.com/drivers>)

After you have downloaded or obtained the drivers that you wish to install, run the **setup.exe** file for each and proceed through the installation. After the successful installation of all drivers, restart your computer one final time.

4. Launch LabVIEW

After successfully restarting your computer, you are ready to launch LabVIEW. Navigate to **Start»All Programs»National Instruments»LabVIEW 2012»LabVIEW 2012** to invoke LabVIEW.



5. Next Step

When launching LabVIEW for the first time, you are prompted that your software is currently in evaluation mode and can be used for free for a limited amount of time. The subsequent tutorial, [How to Activate LabVIEW Student Edition](http://www.ni.com/white-paper/14146/en) (<http://www.ni.com/white-paper/14146/en>), discusses how to properly activate your newly installed LabVIEW Student Edition software.

You may also choose only to evaluate the product at this time by selecting **Launch LabVIEW**.

6. Related Links

- [How to Activate LabVIEW Student Edition](http://www.ni.com/white-paper/14146/en) (<http://www.ni.com/white-paper/14146/en>)
- [LabVIEW 101: Video Instruction for Students](http://www.ni.com/academic/students/learn/) (<http://www.ni.com/academic/students/learn/>)
- [Product Page: LabVIEW Student Edition](http://www.ni.com/labviewse/) (<http://www.ni.com/labviewse/>)
- [Product Page: NI myDAQ](http://www.ni.com/mydaq/) (<http://www.ni.com/mydaq/>)
- [Product Page: Academic Site License](http://www.ni.com/white-paper/14972/en) (<http://www.ni.com/white-paper/14972/en>)
- [NI Software Downloads](http://www.ni.com/downloads/products/) (<http://www.ni.com/downloads/products/>)
- [Drivers and Updates](http://www.ni.com/drivers/) (<http://www.ni.com/drivers/>)

Customer Reviews

2 Reviews | Submit your review (http://zone.ni.com/apps/utf8/nidz_display_comments.create_comment?p_title=How+to+Install+NI+LabVIEW+Student+Edition&p_doc_id=DZTUT-13413-EN&p_doc_type=DZTUT&p_url=http://www.ni.com/tutorial/13413/en&p_doc_url_id=13413)