

## What You Need Installed for CSSE 120 2012-2013

By David Mutchler

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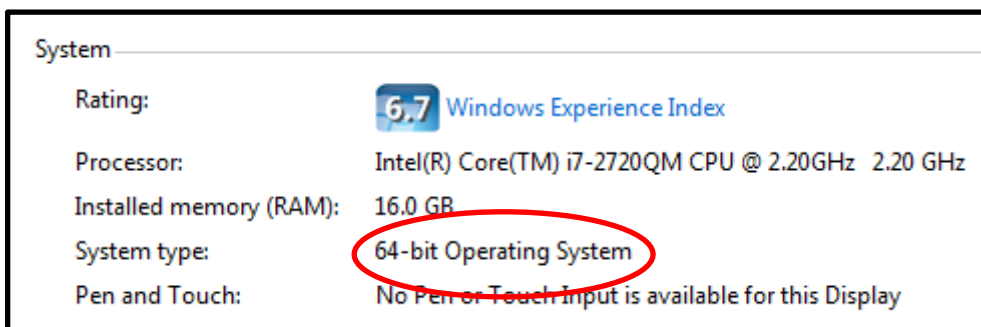
Throughout:

- Accept the license agreement but otherwise accept all defaults, unless the instructions below explicitly say otherwise.
- Continue the installation even if the installation indicates potential security problems, for example:
  - If *User Account Control* asks whether you want to allow the installation program to make changes to this computer, respond *Yes*.
  - If the installation indicates that you need *Administrator privileges*, respond *Yes*.
  - Select *Run* even if you get a Security Warning that the *publisher could not be verified*.

You must have internet access for some of the following.

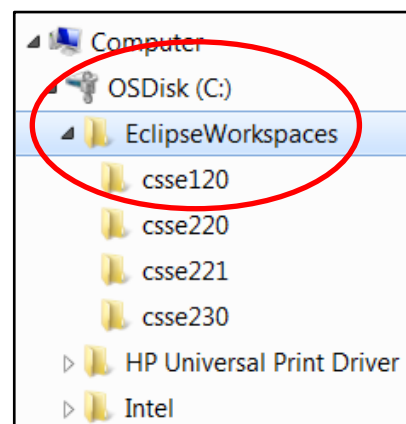
These instructions assume a 64-bit installation of Windows 7. ***If you have a 32-bit installation of Windows***, replace the 64-bit versions of installation files by their 32 bit versions throughout.

- If you are uncertain whether you have 64-bit or 32-bit Windows, ***right-click*** on ***Computer***, select ***Properties*** and see what ***System type*** you have.



***If your software was installed by IAIT, you can skip this entire document*** (and come back to it if you find problems when you run your first program, per forthcoming instructions).

1. ***Do you have the folder:*** **C:\EclipseWorkspaces\csse120**  
***If so, skip to the next step.*** Otherwise create that folder.



2. **Java: Do you have the folder:**

C:\Program Files\Java\jre7\bin

or

C:\Program Files\Java\jre6\bin

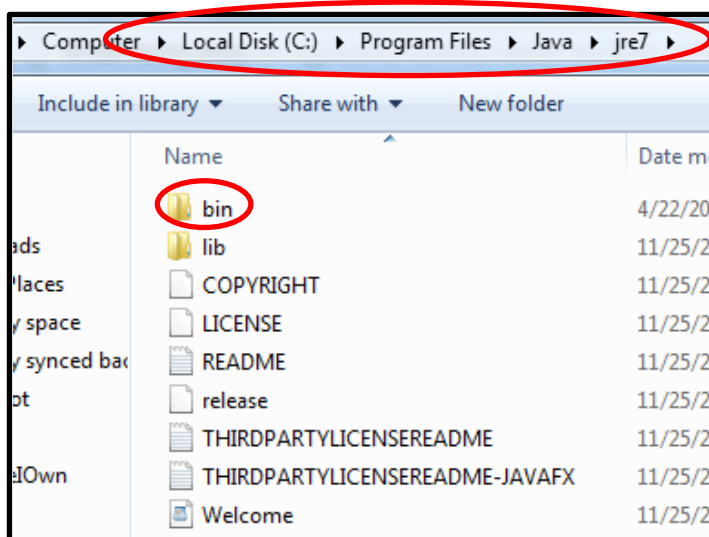
(Either *jre6* or *jre7*, either is fine.)

If so, skip to the next step.

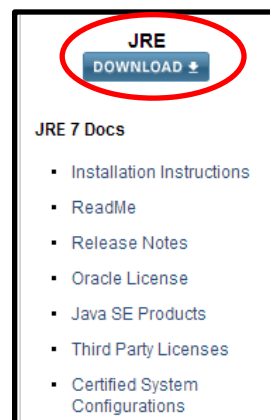
Otherwise download and install the Java Runtime Environment (JRE) from

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

as follows:



- a. Select the **Download** button under the **JRE** box on the above page.



- b. From the page that opens, select the **Windows x64** option (or *Windows x86 Offline* if your Windows is 32-bit).

Java SE Runtime Environment 7		
You must accept the <a href="#">Oracle Binary Code License Agreement for Java SE</a> to download this software.		
<input type="radio"/> Accept License Agreement <input checked="" type="radio"/> Decline License Agreement		
Product / File Description	File Size	Download
Linux x86 - RPM Installer	19.91 MB	jre-7-linux-i586.rpm
Linux x86 - Compressed Binary	32.19 MB	jre-7-linux-i586.tar.gz
Linux x64 - RPM Installer	20.22 MB	jre-7-linux-x64.rpm
Linux x64 - Compressed Binary	30.85 MB	jre-7-linux-x64.tar.gz
Solaris x86 - Compressed Binary	34.95 MB	jre-7-solaris-i586.tar.gz
Solaris SPARC - Compressed Binary	39.28 MB	jre-7-solaris-sparc.tar.gz
Solaris SPARC 64-bit - Compressed Binary	12.01 MB	jre-7-solaris-sparcv9.tar.gz
Solaris x64 - Compressed Binary	9.05 MB	jre-7-solaris-x64.tar.gz
Windows x86 Online	0.85 MB	jre-7-windows-i586-iftw.exe
Windows x86 Offline	19.26 MB	jre-7-windows-i586.exe
Windows x64	20.34 MB	jre-7-windows-x64.exe

3. **Python:** Do you have a folder named either *Python3* or *Python33* or *Python32* or *Python31* (any of these or similar names are probably fine) somewhere on your computer? For example, look for:

C:\Python3

C:\Program Files\Python3

If you have any folder like the above, skip to the next step.

Otherwise install **Python 3.3** by visiting <http://www.python.org/download/> and from there selecting the *second* bulleted item: **Python 3.3.2 Windows x86-64 MSI Installer** (or the *first* bulleted item *Python 3.3.2 Windows x86-64 MSI Installer* if you are running 32-bit Windows):

**Download Python**

The current production versions are [Python 2.7.5](#) and [Python 3.3.2](#).

Start with one of these versions for learning Python or if you want the most stability, they're both considered stable production releases.

If you don't know which version to use, try Python 3.3. Some existing third-party software is not yet compatible with Python 3; if you are unsure, try Python 2.7.

For the MD5 checksums and OpenPGP signatures, look at the [detailed Python 3.3.2 page](#):

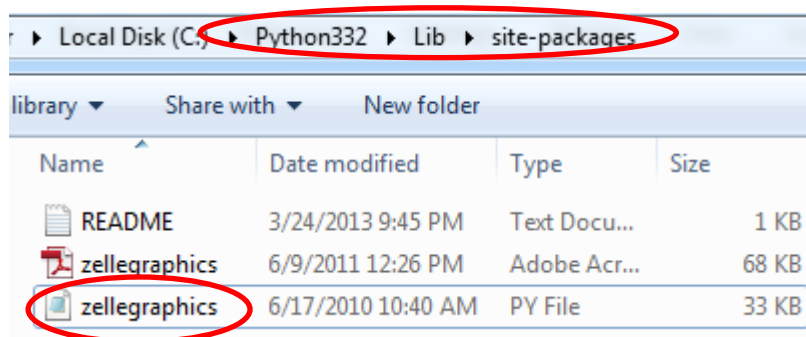
- [Python 3.3.2 Windows x86 MSI Installer](#) (Windows binary -- does not include source)
- [Python 3.3.2 Windows X86-64 MSI Installer \(Windows AMD64 / Intel 64 / X86-64 binary \[1\] -- does not include source\)](#)

4. **Zellegraphics:** Go to your Python folder (the one that you found or installed in the previous step). Below there, look in:

**Lib** then in

**site-packages**

If you see in that folder **zellegraphics.py** (possibly with other stuff too), skip to the next step.



Otherwise visit and then save the file:

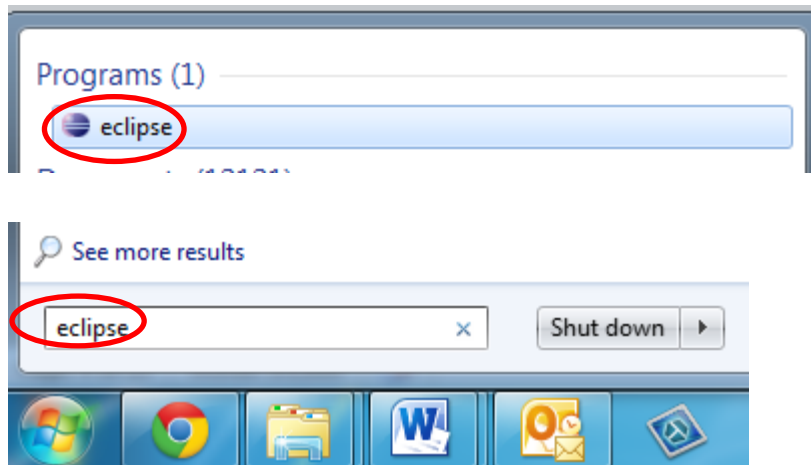
<http://www.rose-hulman.edu/class/csse/csse120/201330/Resources/Graphics/zellegraphics.py>

in the above **site-packages** folder.

5. Eclipse: Go to your Start menu and type

**eclipse**

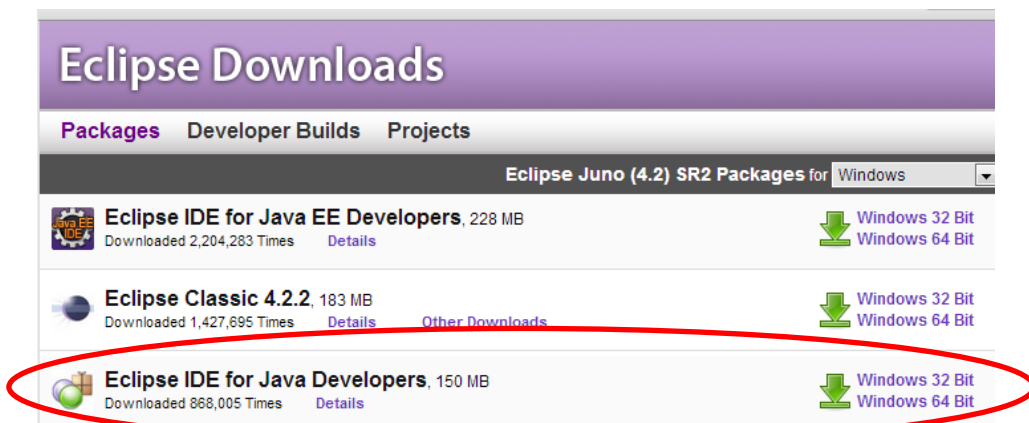
If *eclipse* shows up in your Programs, you are DONE.



Otherwise, visit:

<http://www.eclipse.org/downloads/>

and select *the Eclipse IDE for Java Developers, Windows 64 Bit* (or 32 Bit if you are running 32 bit Windows).



That selection is a zipped file. Unzip it,

placing the unzipped *eclipse* folder directly below:

**C:\Program Files**

