

gcc

This course is based on using the shell and Make. For Mac, you should install a package called the **Command Line Tools**:

- OS X 10.6 or earlier, get the command line tools: <https://github.com/kennethreitz/osx-gcc-installer>
- OS X 10.7 and later, download from Apple's developer site, <https://developer.apple.com/downloads/> (free account registration required); search for "Command Line Tools."

If you are already using Xcode, look for info on how to install gcc; e.g., <http://www.cyberciti.biz/faq/howto-apple-mac-os-x-install-gcc-compiler/>.

sfml

- OS X 10.7 or earlier, get the **GCC - universal** version: <http://www.sfml-dev.org/download/sfml/2.1/>
- OS X 10.8 or later, get the **Clang - universal** version: <http://www.sfml-dev.org/download/sfml/2.2/>

Then cd to the unpacked directory, and then type: `sudo ./install.sh`.

Some helpful links:

<http://www.programmingtutes.com/sfml-2-4-1-setup-xcode-on-mac/>
<http://macappstore.org/sfml/>

You can find the tutorial *SFML and Xcode* here:

<https://www.sfml-dev.org/tutorials/2.5/start-osx.php>