

Minimum Requirements for installation of DNA Master

PC Minimum Requirements

OS: Windows XP or later 32-bit or 64-bit

CPU: Dual-core Processor 1.8GHz

Memory:

- 2GB

Free Disk Space: 5GB

DVD Drive

INTERNET CONNECTION

FULL ADMINISTRATOR RIGHTS

Mac Minimum Requirements (Virtual)

OS: Mac OS X 10.6 or Higher

Virtualized OS: Windows XP or Later

CPU: Dual-core Intel Processor 1.8GHz

- Non-Intel Macs are NOT supported.

Memory:

- 2GB

Free Disk Space: 25GB

DVD Drive

INTERNET CONNECTION

FULL ADMINISTRATOR RIGHTS

WARNING: DNA Master and Administrative Rights:

For Windows 7 or later users, this program must have full administrative rights. It is NOT sufficient to install this program on a user account with administrative-level rights, you must also specify that the program has these rights on launch.

During installation or when starting the program, always be sure to press **Yes** or **OK** when prompted to give the program elevated access privileges. Failure to do so will not allow the program to operate properly, causing errors and general failure.

To ensure that the program always has proper rights, follow the instructions below for creating a shortcut. If you do not create a shortcut in this manner, right click on the program and select **Run as an Administrator** every time!

You may also set up the program with the appropriate short-cut and privileges on an Administrator's account and make it available to all users. It will still run correctly on non-admin accounts.

DNA Master and Mac OS X

DNA Master can only be installed and run on machines running Windows XP or later, and cannot be natively installed on Mac OS X. To circumvent this, we recommend that Mac users try virtualization or WINE.

- **Virtualization:** [Virtual Box](#) is a free program that allows you to install and run auxiliary virtual machines alongside your normal desktop environment (think of emulating a computer within a computer). Combined with a Windows installation disk, you can install and run DNA Master in a virtual machine on your Mac.
- **WINE:** Some SEA schools have used the Windows Emulator (WINE) version of DNA Master, with some success. See seaphages.org/forums/topic/17/

Installation of DNA Master

1. Program Installation Instructions

***Note: For Windows 7 or later, press “Yes” or “OK” if you are prompted to allow the program to continue, failing to do so WILL NOT allow the program to run properly and WILL cause errors.**

***It is important that you complete the update after installation, as the downloadable installer on the DNA Master web page is not routinely updated.**

1.1.1. Installation

-The DNA Master installer can be downloaded at the following link:

<http://cobamide2.bio.pitt.edu/computer.htm>

-Double click the installer, and follow the instructions to install the program.

1.1.2. Shortcut Creation

-Navigate to the DNA Master directory:

32-bit OS: My Computer -> C:/Program Files/DNA Master

64-bit OS: My Computer -> C:/Program Files(x86)/DNA Master

-Right click on “DNAMas.exe” and click “Create Shortcut”:

Windows XP: Drag the shortcut to the desktop.

Windows 7 or later: Click “Yes” on the dialogue box.

WARNING: DO NOT DRAG THE ORIGINAL EXECUTABLE FILE OUT OF ITS DIRECTORY. You can only move the shortcut. The original file will not run if it can not find specific helper files in its directory when it launches.

-Windows 7 or later Users Only:

Right Click on the newly created desktop shortcut:

-Click properties

-Click on the “Compatibility” tab

-Check the box under “Privilege Level” at the bottom

-Click “OK”

-Double click your DNA Master shortcut.

-Go to Help -> Update DNA Master

-Allow the update to run and restart the program.

-DNA Master is now updated and ready to use.

1.1.3. DNA Master Update – INTERNET CONNECTION REQUIRED

DNA Master is now installed and up-to-date. You can run it through your desktop shortcut.

Now, refer to the “DNA Master Quick Start Guide” at:

<http://www.phagesdb.org/workflow/Annotation/>

Follow the instructions to set preferences and start a genome project to confirm that you do not receive any errors as you navigate the program.