# **CSET** Software Installation Guide

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# Arduino IDE

#### Download

#### Description

The Arduino IDE allows you to create and upload software to the Arduino prototype boards.

Additional configuration may be required depending on the board.

- 1. Execute the installer
- 2. On the License Agreement Page, select "I Agree"
- 3. On the Installation Options page, leave defaults and select Next >
- 4. On the installation Folder page, select Install
- 5. When finished, select Close

### **Atmel Studio**

#### Download

- 1. Select "Get the latest version of Atmel Studio from Microchip."
- 2. Select the newest version of Atmel Studio offline installer

#### Description

Atmel Studio is used to program Atmel SMART ARM and Atmel AVR microcontrollers.

- 1. Execute the installer
- 2. On the License terms and conditions page, check "I Agree..." and then select Next
- 3. On the Architecture page, select Next
- 4. On the Extensions page, select Next
- 5. On the System validation page, select Next
- 6. On the Device Header File Versions page, select Install
  - a. Driver installation windows will pop-up wile installing. Allow them to install.
- 7. When finished installing, uncheck "Launch Atmel Studio" and select Close

### ChemSketch

Download (http://www.acdlabs.com/resources/freeware/chemsketch/)

- 1. Select "Freeware: One Installation"
- 2. Registration is required

#### Description

ChemSketch is a drawing package for chemical structures.

- 1. Execute the installer
- 2. On the Welcome page, select Next >
- 3. On the End-User License Agreement page, select "I accept..." and then select Next >
- 4. On the Custom Setup page, select Next >
- 5. One the Programs Folder page, select Next >
- 6. On the ACD/LABS Software Option page, select Next >
- 7. On the review page, select Install
- 8. Select Finish when done

# Eclipse Oxygen

#### Download

#### Description

Eclipse is a programming IDE often used for Java and other languages.

- 1. Launch the Installer
- 2. Select the appropriate version
- 3. Select Install
- 4. On the End User Agreement page, select Accept Now
- 5. Close installer when finished

# Fiddler

#### Download

#### Description

Fiddler is a web debugging proxy.

- 1. Execute the installer
- 2. On the License Agreement page, select I Agree
- 3. On the Install Location page, select Install
- 4. Select Close when finished

### Git

Download

#### Description

Git is a version control system.

- 1. Execute the installer
- 2. On the information page, select Next >
- 3. On the Components page, select Next >
- 4. On the Path Environment page, select Next >
- 5. On the HTTPS transport backend page, select Next >
- 6. On the Configuring the line ending conversions page, select Next >
- 7. On the Configuring the terminal emulator page, select Next >
- 8. On the Extra Options page, select Install
- 9. When finished, uncheck View Release Notes and select Finish

# **Icarus Verilog**

#### Download

#### Description

Verilog is a Verilog simulation and synthesis tool.

- 1. Execute the installer
- 2. On the License Agreement page, select I Accept and then Next
- 3. On the Information page, select Next >
- 4. On the Destination Location page, select Next >
- 5. On the Components page, select Next >
- 6. On the Start Menu page, select Next >
- 7. On the Information page, select Next >
- 8. On the Additional Tasks page, select Next >
- 9. On the Ready to Install page, select Install >
- 10. When finished, select Finish

### Java JDK

#### Download

1. Select Download for the Java Platform (JDK)



- 2. Check "Accept License Agreement" above the downloads
- 3. Select the version for your operating system (probably Windows x64)

#### Description

Java JDK includes tools for developing and testing programs.

- 1. Execute the installer
- 2. On the Welcome Screen, select Next >
- 3. On the Custom Setup screen, select Next >
- 4. For the Destination Folder, select Next >
- 5. Once finished, select Close

### Java NetBeans

#### Download

1. Select Download for NetBeans

Overview Down	nloads Documentation	Community Tec	chnologies 7	Training
Java SE D	ownloads			
	🔮 Java <sup>-</sup>	¢	🛠 NetBea	ans
Java	DOWNLOAD 🛨 Platform (JDK) 8u144		DOWNLOAD	± JDK 8

- 2. Check "Accept License Agreement"
- 3. Download the version for you OS (most likely Windows x64)

#### Description

NetBeans is a programing IDE that includes the Java JDK.

- 1. Execute the installer
- 2. On the Welcome screen, select Next >
- 3. On the Installation Folder screen, select Next >
- 4. On the second Installation Folder Screen, select Next >
- 5. On the Summary screen, select Install
- 6. When finished, select Close

# MySQL

#### Download

Download the bigger MySQL Installer download



#### Description

MySQL is a popular database manager.

- 1. Execute the installer
- 2. Check "I accept the license terms" and select Next>
- 3. Select Custom than Next >
- 4. Move the following products to "Products/Features To Be Installed:"
  - a. MySQL Servers
    - i. MySQL Servers
      - 1. MySQL Servers #.#
        - a. MySQL Server #.#.## x64
  - b. Applications
    - i. MySQL Workbench

- 1. MySQL Workbench #.#
  - a. MySQL Workbench #.#.# -X64
- c. MySQL Connectors
  - i. Connector/J
    - 1. Connector/J #.#
      - a. Connector/J #.#.## X86

MySQL. Installer Adding Community	Select Products and Features Please select the products and features you would like to install on this machine.
License Agreement	Filter: All Software, Current Bundle, Any Edit
Choosing a Setup Type	Available Products: Products/Features To Be Installed:
Select Products and Features Oreck, Requirements Installation Product Configuration Installation Complete	MyG2 NetWire     MyG2 For Ever     MyG2 Strept 5:19:-X4     MyG2 Strept 5:19:-X4     MyG2 Strept 5:3-X64     MyG2 Strept 5:-X64     MyG2     MyG2 Strept 5:-X64     MyG2 Strept 5:-X64     MyG2 Strept 5:-X64     MyG2 Strept 5:-X64     MyG2     MyG2 Strept 5:-X64     MyG2     MyG2     MyG2     MyG2     MyG2     MyG2
	Autored Hinay April 22, 2017 Referenced Size 19 MR Orwiges: <u>Impulsion management (and announced a list and announced a list 2 han</u> )

- 5. When all requirements are selected, select Next >
- 6. On the Check Requirements page, select Execute
  - a. This may prompt for other installers. Work through them.
- 7. Once all Requirements are met, select Next >
- 8. On the Installation page, select Execute
  - a. If MySQL Server fails to install but the other components succeed, finish the installer. <u>Visual C++ Redistributable Packages for Visual Studio 2013 x86</u>, even if you are installing the 64-bit version of MySQL. Then restart the installer and install the missing component.
- 9. When finished install, select Next >
- 10. Select Next >

- 11. On the first Type and Networking page, leave as default and select Next >
- 12. On the second Type and Networking page, uncheck "Open Firewall port for network access" and select Next>
- 13. For the root password, use "password" and select Next >
- 14. One the Windows Service page, select Next >
- 15. On the Plugins and Extensions page, select Next >
- 16. On the Apply Configuration page, select Execute
- 17. When finished, select Finish
- 18. Select Next > and then Finish to close the installer

# **Microsoft Office**

Download: See installation steps.

#### Description

Students get Microsoft Office free. Microsoft Office includes Word, Excel, PowerPoint, Outlook, and more.

#### Installation Steps

1. For new computers and computers with Office already installed, uninstall previous

installations

Copies of office already installed on your computer may interfere with the installation or functionality of your new Office install. New computers often have an Office trial install.

- 2. Go to https://portal.office.com
- 3. Use your OIT email address and OIT password to log in
- 4. Select "Install Office 2016" in the top right corner



5. Execute the download

6. The download will start installing



7. Once finished, select Close

### Notepad++

#### Download

Download the 32-bit version

#### Description

Notepad++ is a text editor that offers a number of features compared to Windows Notepad. These features include text markup, multiple tabs, and add-ons. Download the 32-bit version. Most add-ons do not work in the 64-bit version.

- 1. Start the installer
- 2. Select your language and press OK
- 3. On the Welcome page, select Next >
- 4. Select I Agree if you agree to license agreement
- 5. On the Install Location, Select Next
- 6. On the Components screen, select Next >
- 7. On the second components screen, select Install
- 8. When finished, select Finish

# Python

#### Download

- 1. Select Downloads
- 2. Select the latest version

#### Description

Python is a programming language. Installing Python does not install an IDE.

#### Installation Steps

- 1. Start the installation
- 2. Check "Add Python #.# to PATH" and then Install Now



3. When finished, select Close

### **Visual Studio Community**

#### Download

Download the Visual Studio Community edition

#### Description

Visual Studio is a complete IDE that offers components for many languages. Community has some

restrictions over enterprise.

- 1. Execute Installer
- 2. Select Continue
- 3. For workloads, select .NET desktop development, Desktop development with C++, Python development, and Node.js development
  - a. Remove or add workloads as needed

stalling — Visual Studio Community 2017 — 15.3.0		)
lorkloads Individual components Language p		
indows (3)	Summary	
Universal Windows Platform development Create applications for the Universal Windows Platform with C#, V8, JavaScript, or optionally C++.	Visual Studio core editor     Visual Studio core editor     VET desktop development     Desktop development with C + +     Python development	
NET desktop development Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F#.	> Individual components *	
Desktop development with C+-     Build classic Windows-based applications using the power     of the Visual C++ toolset, ATL, and optional features like		
eb & Cloud (7)		
ASP.NET and web development Build web applications using ASP.NET, ASP.NET Core, HTML, JavaScript, and container development tools.		
cation		
Program Files (x86)\Microsoft Visual Studio\2017\Community	-	
	Total install size:	8.42 G
continuing, you agree to the scense for the visual studio edition you selected ware with Visual Studio. This software is licensed separately, as set out in the	to other the ability to download other the Notices or in its accompanying	

- 4. Select Install
- 5. Close installer when finished

### **Visual Studio Enterprise**

Download from Imagine

#### Description

Visual Studio is a complete IDE that offers components for many languages. Enterprise offers a few extra features than community.

- 1. Execute Installer
- 2. Select Continue
- 3. For workloads, select .NET desktop development, Desktop development with C++, Python development, and Node.js development
  - a. Remove or add workloads as needed

Norkloads Individual components Language packs			
Vindows (3)	Summary		
Universal Windows Platform development Create applications for the Universal Windows Platform with C#, VB, JavaScript, or optionally C + +.	<ul> <li>&gt; Visual Studio core editor</li> <li>&gt; .NET desktop development</li> <li>&gt; Desktop development with C++</li> <li>&gt; Python development</li> </ul>		
NET devidop development Build WPF. Windows Forms, and console applications using C#, Visual Basic, and F#.	<ul> <li>Nodejs development</li> <li>Individual components *</li> </ul>		
Besktop development with C+-  Understand Development with C+- Build classic Windows-based applications using the power of the Vigual C+- toolset, ATL and optional features like			
veb & Cloud (7)			
ASPINET and web development Build web applications using ASPINET, ASPINET Core, HTML_JavaScript, and container development tools.			
ocation			
C:\Program Files (x86)\Microsoft Visual Studio\2017\Community	The second second second second second	0.00.0	

- 4. Select Install
- 5. Close Installer
- 6. Launch Visual Studio and work through the welcome screens
- 7. From the main menu, select File and Account Settings...

<u>8</u>	Start Pa	age - Mio	rosoft Visu	ial Studio					
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8. Enter the License key that you obtained from Microsoft Imagine