### Install MPLAB IDE Software

#### 1. Download the MPLAB8.91 from

http://www.microchip.com/stellent/idcplg?IdcService=SS\_GET\_PAGE&nodeId=2115

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			WFLA	DIDE V0.91			

2. You can download the XC8 Compiler at the same site as:

	Language Tool Archives		
MPLAB XC8	MPLAB XC16	MPLAB XC32	
<u>v1.00 (WIN)</u>	v1.00 (WIN)	v1.00 (WIN)	
v1.00 (Linux)	v1.00 (Linux)	v1.00 (Linux)	
v1.00 (OSX)	v1.00 (OSX)	v1.00 (OSX)	
<u>v1.01 (WIN)</u>	v1.10 (WIN)	v1.10 (WIN)	
v1.01 (Linux)	v1.10 (Linux)	v1.10 (Linux)	
v1.01 (OSX)	v1.10 (OSX)	v1.11 (OSX)	
<u>v1.10 (WIN)</u>	v1.11 (WIN)	v1.11 (WIN)	
v1.10 (Linux)	v1.11 (Linux)	v1.11 (Linux)	
v1.10 (OSX)	v1.11 (OSX)	v1.20 (OSX)	
<u>v1.11 (WIN)</u>	v1.20 (WIN)	v1.20 (WIN)	
v1.11 (Linux)	v1.20 (Linux)	v1.20 (Linux)	
v1.11 (OSX)	v1.20 (OSX)	v1.21 (OSX)	
<u>v1.12 (OSX)</u>		v1.21 (WIN)	
v1.12 (WIN)		v1.21 (Linux)	
v1.12 (Linux)		v1.22 (OSX)	
<u>v1.20 (OSX)</u>		v1.22 (WIN)	
<u>v1.20 (WIN)</u>	>	v1.22 (Linux)	
v1.21 (Linux)		v1.30 (OSX)	
v1.21 (OSX)		v1.30 (Linux)	
v1.21 (WIN)		v1.30 (WIN)	

### Note: Both the MPLAB IDE 8.91 and XC8 are also available on the Moodle server at: <u>www.ucdistancetraining.org</u> then select Download

3. After you download the MPLAB IDE, double click the setup file to install the software.

ame	Date modified	Туре	Size
Data1	5/2/2013 5:10 PM	WinZip File	108,331 KB
ISSetup.dll	5/2/2013 4:43 PM	Application extens	2,056 KB
MPLAB Tools v8.91	5/2/2013 5:10 PM	Windows Installer	3,035 KB
MPLAB_IDE_8_91	5/14/2013 10:18 A	WinZip File	113,630 KB
mplabceri	7/17/2009 8:36 PM	Bitmap image	193 KB
setup	5/2/2013 5:10 PM	Application	3,783 KB

4. Follow the installation instructions and click Next.



5. After selecting Next and accepting the license agreement, click Next.



6. Select Complete for the installation type and click Next.

MPLAB® Tools		
	MPLAB® Tools	
	Setup Type Select the setup type to install.  Fitosco select the setup type to	оснір
(	Complete     All program features will be installed. (Requires the most disk space.)	
	Custom Select which program features you want installed. Recommended for advanced users.	
	<back next=""> Canc</back>	ol

7. Verify Destination Folder default is acceptable and click Next.



8. Accept the terms of the licensing agreements and click Next. You will need to do this twice in succession.





9. On the Start Copying Files window, click on Next.



10. After selecting Next, the Setup Status window will display the progress of the software installation

MPLAB® Tools		
	MPLAB® Tools Setup Status	<b>Міскосні</b> р
	MPLAB Tools v8.91 is configuring your new software installation. Validating install	
		Cancel

11. You may be presented with a window indicating that a file that needs to be updated is currently in use. Either automatically close and attempt to restart, or manually close the file and click Retry or OK, as appropriate.

Files in Use		
Some files that need to be updated	d are currently in use.	🐠 Місяс
The following applications are usin	ng files that need to be updated b	by this setup.
1:2248 2: NI Configuration Manage	er 3: 3264.4. National Instruments	Variable Engine 5: 4580 6: NI F
<ul> <li>Automatically close and attemp</li> <li>Do not close applications. (A re</li> </ul>	nt to restart applications. boot will be required.)	
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12. It will take several minutes for the installation to complete and you will see the following window. Click Finish to complete the installation.



13. If you want to view the software documents, select the document and click View Selected File. Otherwise, simply close the window and continue. That will conclude the MPLAB IDE installation and you can verify the MPLAB IDE v8.91 icon is on your desktop.

MPLAB IDE Document Select Release Notes MPLAB PM3 Release Notes MPLAB REAL ICE Emulator Release Notes MPLAB SIM Release Notes MPLINK Linker Release Notes PICkit 1 Release Notes PICkit 2 Release Notes		Driver Installation and Repair MPLAB IDE 64-Bit USB Device Drivers Installation
PICkit 3 Release Notes PICSTART Plus Release Notes PRO MATE II Release Notes Third Party Tools Release Notes	-	
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## Install HI-TECH Universal Toolsuite Plugin

- 1. Download the UniversalToolsuite-1.37.exe and PICC\_9\_.83\_win.exe from **Moodle server at:** <u>www.ucdistancetraining.org</u> then select <u>Download</u>
- 2. After downloading the software, double click on the UniversalToolsuite-1.37.exe

Name	Date modified	Туре	Size
ٵ Data1	5/2/2013 5:10 PM	WinZip File	108,331 KB
ISSetup.dll	5/2/2013 4:43 PM	Application extens	2,056 KB
🖟 MPLAB Tools v8.91	5/2/2013 5:10 PM	Windows Installer	3,035 KB
MPLAB_IDE_8_91	5/14/2013 10:18 A	WinZip File	113,630 KB
🛃 mplabcert	7/17/2009 8:36 PM	Bitmap image	193 KB
😪 setup	5/2/2013 5:10 PM	Application	3,783 KB
	5/14/2013 10:54 A	Application	1,090 BB

3. Click on Next to start the installation.

Installing HI-TECH Universal Toolsuite plugin for MPLAB	
This program will install HI-TECH Universal Toolsuite plugin for MPLAB version 1.37.	2
Press Next to continue.	
MPLAB is a registered trademark of Microchip Technology	inc.
On-line help	

4. Check on the path of the software, then click on Next to install.

Installing HI-TECH Universal Toolsuite plugin for MPLAB
Please choose the folder to install into, then click Next to complete the installation.
C\Program Files (x86)\Microchip\MPLAB Plugin for HI-TECH C\1.37
Space required: 3.1 MB Space available: 38273 MB
On-line help

5. It only takes a few seconds to install. Click on Finish to complete.



6. To check the Toolsuite Plugin installation, Run MPLAB Ver. 8.91. Under the main menu, select Project, then click on "Set Language Tool Locations..."

File     Edit     View     Project     Window     Help       Project     Window     Help     Checksum: 0x3bff       New     Open     Checksum: 0x3bff	
D B I J     Project Wizard     D B I I I I I I I I I I I I I I I I I I	
Open	
Close Set Active Project Find in Files	
Package in zip Clean Build Configuration Build Options_	
Save Project Save Project As. Add Files to Project.	
Add New File to Project.  Remove File From Project	
Select Language Toolsuite Set Language Tool Locarona Version Control	
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7. If you can see the HI-TECH Universal Toolsuite listed under Registered Tools, the installation was successful.

MPLAB IDE v8.91	Non 12 June	WARDER MANAGEMENT
File Edit View Project Debugger Program	mer Tools Configure Window He	lp
		Checksum:0x3bff
Build	put	X
Untitled Workspace	Set Language Tool Locations  Registered Tools  B Knudsen Data CC8E	uite OK Cancel Apply

# Install HI-TECH (PICC) C Compiler

- 1. Browse to the location of the picc\_9\_.83\_win.exe file.
- 2. Double-click on the filename to begin installation. Click on Next.



3. Select Operate in Lite mode (reduced performance) and click on Next.



4. Accept the license agreement and click on next.



5. Verify the default file location and click Next.



6. On the *Customize your installation* window, leave the *Add to environment path* box unchecked, then click Next.

Installing HI-TECH C Compiler for the PIC10/12/16 MCUs			
C O M P I L E R S by Microchip Technology	HI-TECH C® Compiler for PIC10/12/16 MCUs		
Customize your installation.			
Choose the preferred language for error, warnin line usage, you may also choose to have the ex PATH.	g and advisory messages. For command recutables added to your environment		
Langrade to messages			
English Add to e	environment path		
<u>On-line help</u> Ordering Information	< Back Next Cancel		

7. After installation is complete, you can view the installation notes or just click Finish.



9. To check the C Compiler installation, Run MPLAB Ver. 8.91. Under the main menu, select Project, then click on *Set Language Tool Locations…* 

PLAB IDE v8.91		Configure Window Unio		-0-
Edit View	Project Debugger Programmer Tools Project Wizard	Configure Window Help	Checksum:0x3bff	
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	Open		Ĵ.	
	Close +			
	Set Active Project	rol Find in Files		
	Quickbuild (no .asm file)			
	Package in .zip			
	Clean			
	Build Configuration			
	Bund Options			
	Save Project Save Project As			
	Add Files to Project			
	Add New File to Project_			
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~	PIC16F84A	W:0	z dc c Dank U	

10. Select the plus sign (+) next to HI-TEC Universal ToolSuite, then next to Executables. Select HI-TECH ANSI C Compiler and verify that the Location is displayed,

Set Language Tool Locations	×			
Registered Tools				
Byte Craft Assembler & C Compiler	<b>^</b>			
CC3 C Compiler for PIC10/12/14/16/18/24/dsPIC30/dsPIC33				
HI-TECH Universal ToolSuite				
HI-LEUH ANSI U Compiler				
Microchip ASM16 Toolsuite				
Microchip ASM30 Toolsuite				
🗄 Microchip C17 Toolsuite				
	▼			
Location				
C:\Program Files\HI-TECH Software\PICC\9.83\bin\picc.exe	Browse			
Help OK Cancel	Apply			