



Installing MATLAB

Students @ HSN

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What is MATLAB?

- MATLAB is a tool for technical computing, computation and visualization in an integrated environment.
- MATLAB is an abbreviation for MATrix LABoratory
- It is well suited for Matrix manipulation and problem solving related to Mathematics, Linear Algebra, Modelling, Simulation and Control Applications
- Popular in Universities, Teaching and Research
- The vendor is MathWorks (www.mathworks.com)

Installing MATLAB

The University College of Southeast Norway has a so-called Total Academic Headcount (TAH) License, this means the students can freely install and use MATLAB on their personal computers for teaching and academic research activities.

Follow the Installation steps on the next pages

- Part I: Download the Installer
- Part II: Install and Activate

MATLAB Toolboxes included in the TAH License

MATLAB

Simulink

Bioinformatics Toolbox

Communications System Toolbox

Computer Vision System Toolbox

Control System Toolbox

Curve Fitting Toolbox

DSP System Toolbox

Data Acquisition Toolbox

Database Toolbox

Econometrics Toolbox

Embedded Coder

Financial Toolbox

Fixed-Point Designer

Fuzzy Logic Toolbox

Global Optimization Toolbox

Image Acquisition Toolbox

Image Processing Toolbox

Instrument Control Toolbox

LTE System Toolbox

MATLAB Coder

MATLAB Compiler

MATLAB Compiler SDK

MATLAB Report Generator

Mapping Toolbox

Model Predictive Control Toolbox

Neural Network Toolbox

OPC Toolbox

Optimization Toolbox

Parallel Computing Toolbox

Partial Differential Equation Toolbox

Phased Array System Toolbox

RF Toolbox

Robust Control Toolbox

Signal Processing Toolbox

SimEvents

Simscape

Simscape Multibody

Simscape Power Systems

Simulink 3D Animation

Simulink Coder

Simulink Control Design

Simulink Design Optimization

Simulink Desktop Real-Time

Simulink Real-Time

Simulink Report Generator

Simulink Verification and Validation

Stateflow

Statistics and Machine Learning Toolbox

Symbolic Math Toolbox

System Identification Toolbox

Wavelet Toolbox

Part I: Download the Installer

1. Create a MathWorks Account using your university email address:
www.mathworks.com/account
2. Go to the License Center: www.mathworks.com/licensecenter
3. Click Associate License in the upper right hand corner.
4. When prompted to do so, enter the **Activation Key** (provided by your Teacher in the Course you are using MATLAB)
5. Go to:
www.mathworks.com/downloads/web_downloads/select_release
6. Click the download button for the current release.
7. Click the installer button to download the installer.

See screen shots on the next pages

1

Log in to your MathWorks Account or create a new one.

Log in to your MathWorks Account

[Forgot your password?](#)

Keep me logged in

Don't have a MathWorks Account? [Create Account](#)

[Problems Logging In?](#)

[FAQ](#)

3

Verify your email address

1. Go to your inbox for
2. Click the link in the email we sent you.

Didn't get the email?

1. Check your spam folder.
2. [Send me the email again.](#)
3. For additional assistance, see [Email Verification](#) or contact [Customer Support](#).

2

Create MathWorks Account

Email Address

You will need to verify your email address

Country/Region

How will you use MathWorks software?

Are you at least 13 years or older? Yes No

4

To finish creating your profile, provide the following information for

First Name

Last Name

User ID (Optional)

Must include 6 to 16 alphanumeric characters and start with a letter (Example: jsmith555) [Learn more](#)

Password

Must be at least 8 characters, with at least one upper-case and one number

Password Confirmation

Location of your School/University

Please provide the following information in English.

Country/Region of School/University

School / University

Associate Your Account to a License

If you have MATLAB already, enter your activation key or license number here. What will this allow me to do?

Activation Key or License Number (Optional)

Type 'license' at the MATLAB prompt to get your license number or get an activation key from your MATLAB administrator.



My Profile

[Edit Profile](#)[Change Password](#)[Communication Preferences](#)

My Purchases

[View Order History](#)

Does your school already have MATLAB?

You may have free access through a campus-wide license.

[Check for MATLAB access](#)

My Licenses

License	Product	Actions
		Download Manage License
Buy the latest release of MATLAB & Simulink Student Version		Buy R2016a

[Add a license](#)

My Activities

File Exchange

[View my files](#)

MATLAB Answers

[View my questions & answers](#)

Service Requests

[View my service requests](#)

Bug Reports

[View my bug reports](#)

Downloads

Download R2016a



R2016a
 Released: 2016-03-03
[System Requirements](#)
[Release Highlights](#)

Download Earlier Release

[R2015b](#)[R2015aSP1](#)[R2015a](#)[R2014b](#)[R2014a](#)

Downloads

Download R2016a Installer

1. Choose Installer

[Linux \(64-bit\)](#)[Mac OS X \(Intel 64-bit\)](#)[Windows \(64-bit\)](#)

2. Download product files

Run the installer and log in as 152351@student.hit.no

Learn MATLAB Now

Learn core MATLAB functionality with this free, interactive, self-paced course.

[» Get Started](#)

Helpful links

[R2016a System Requirements](#)[View instructions for running the installer](#)[When do I select my products?](#)

Part II: Install and Activate

1. Locate the installer you downloaded in a file browser. It should be located in the default download location, unless you specified another location. The name of the installer file is:
 - Windows: matlab_<release>_win64.exe
 - Mac OS X: matlab_<release>_maci64.zip
 - Where <release> represents the release number.
2. Start the installer:
 - Windows: Double-click the installer file you downloaded in the previous step. The Windows Self-Extractor runs, and then the installer starts.
 - Mac OS X: Double-click the installer file you downloaded in the previous step. This action extracts the files and creates another folder called matlab_<release>_maci64, where <release> represents the release number. Inside this folder, double-click InstallForMacOSX to start the installer.
3. In the MathWorks installer, select Log in with a MathWorks Account and follow the online instructions.
4. When prompted to do so, select the license you want to use.
5. Select the products you want to download and install.
6. After downloading and installing your products, keep the Activate MATLAB checkbox selected and click Next.
7. When asked to provide a user name, verify that the displayed user name is correct. Continue with the process until activation is complete.

See screen shots on the next pages

MathWorks Installer

1

Select installation method

Log in with a MathWorks Account Connection Settings
Requires an Internet connection

Use a **File Installation Key** [What is this?](#)
No Internet connection required

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License Agreement

2

The MathWorks, Inc. Software License Agreement

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Do you accept the terms of the license agreement? Yes No



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Log in

3

Log in to your MathWorks Account

Email address:

Password:

[Forgot your password?](#)

Create a MathWorks Account (requires an Activation Key)



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License Selection

4

Select a license or enter an Activation Key

The installer will determine which products to install based on your license.

Select a license:

License	Label	Option
1144555		Total Academic Headcount Student - Standalone Named User

Enter an Activation Key for a license not listed:

You may have received the [Activation Key](#) from the Administrator of the license.



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Folder Selection

5

Choose installation folder:

C:\Program Files\MATLAB\R2015b

Browse...

Restore Default Folder



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Product Selection

5

Select products to install

Product	Notes
<input checked="" type="checkbox"/> MATLAB 8.6	Download Required
<input checked="" type="checkbox"/> Simulink 8.6	Download Required
<input checked="" type="checkbox"/> Bioinformatics Toolbox 4.5.2	Download Required
<input checked="" type="checkbox"/> Communications System Toolbox 6.1	Download Required
<input checked="" type="checkbox"/> Computer Vision System Toolbox 7.0	Download Required
<input checked="" type="checkbox"/> Control System Toolbox 9.10	Download Required
<input checked="" type="checkbox"/> Curve Fitting Toolbox 3.5.2	Download Required
<input checked="" type="checkbox"/> Data Acquisition Toolbox 3.8	Download Required
<input checked="" type="checkbox"/> Database Toolbox 6.0	Download Required
<input checked="" type="checkbox"/> DSP System Toolbox 9.1	Download Required
<input checked="" type="checkbox"/> Econometrics Toolbox 3.3	Download Required
<input checked="" type="checkbox"/> Embedded Coder 6.9	Download Required
<input checked="" type="checkbox"/> Financial Toolbox 5.6	Download Required
<input checked="" type="checkbox"/> Fixed-Point Designer 5.1	Download Required
<input checked="" type="checkbox"/> Fuzzy Logic Toolbox 2.2.22	Download Required



< Back Next > Cancel Help MathWorks

Installation Options

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Select desired installation options

Add shortcuts to

- Desktop
- Programs folder on the Start menu



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Confirmation

7

License number: 1144555

Installation folder: C:\Program Files\MATLAB\R2015b

Download Size: 4,973 MB
Installation Size: 13,377 MB

Products:
MATLAB 8.6 (download)
Simulink 8.6 (download)
Bioinformatics Toolbox 4.5.2 (download)
Communications System Toolbox 6.1 (download)
Computer Vision System Toolbox 7.0 (download)
Control System Toolbox 9.10 (download)
Curve Fitting Toolbox 3.5.2 (download)
Data Acquisition Toolbox 3.8 (download)
Database Toolbox 6.0 (download)
DSP System Toolbox 9.1 (download)



< Back Install > Cancel Help MathWorks

2% Complete

Downloading MATLAB 8.6 (323 of 541 MB)

Download in progress

9

2%

Pause

Cancel MathWorks

38% Complete

Finished downloading (4,973 of 4,973 MB)

Installing MATLAB 8.6

10

38%

Pause

Cancel MathWorks

Installation Complete

Installation is complete.

Activate MATLAB

Note: You will not be able to use MATLAB until you activate the software.

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MATLAB & SIMULINK R2015b

See the [Help](#) to learn more about activation.

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MathWorks Software Activation

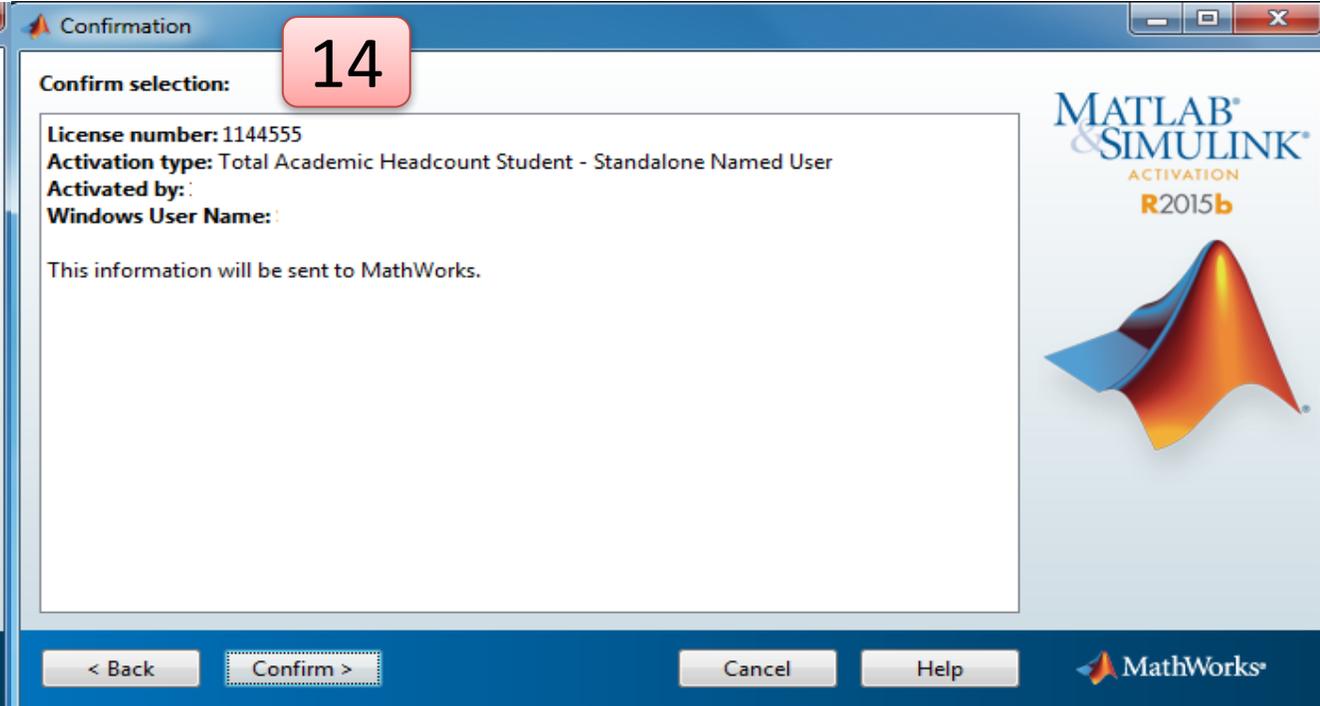
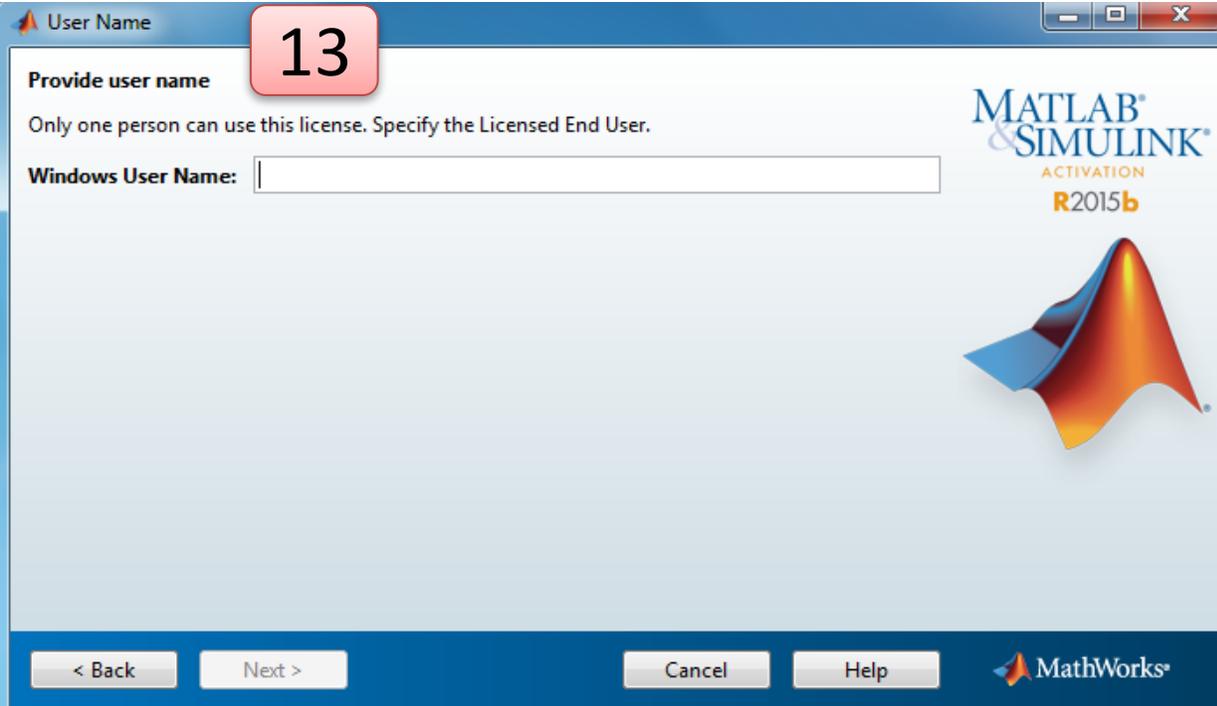
Activate MathWorks Software

Activation is a process that verifies the use of MathWorks products. This process validates the license and ensures that it is not being used on more systems than allowed by the license option you have acquired.

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MATLAB & SIMULINK ACTIVATION R2015b

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Technical Support

Do you have technical problems installing MATLAB? – Please contact MathWorks

www.mathworks.com/support/contact_us

- or the Teacher/Supervisor in the Course where you are going to use MATLAB

MATLAB Online

You can also get access to MATLAB online in your Web Browser

<https://matlab.mathworks.com>

Access MATLAB From Your Web Browser

MATLAB Online™ provides access to MATLAB® from your web browser. Just [log in](#) to use MATLAB.

With MATLAB Online, your files are stored on [MATLAB Drive™](#) and are available wherever you go. MATLAB Drive Connector synchronizes your files between your computers and MATLAB Online, providing offline access and eliminating the need to manually upload or download files. You can also run your files from the convenience of your smartphone or tablet by connecting to MathWorks® Cloud through the MATLAB Mobile™ app.

MATLAB Online facilitates collaboration by enabling you to share files with friends or publish them as formatted HTML or PDF documents.

The following toolboxes are available at this time:

- [Communications System Toolbox](#)
- [Computer Vision System Toolbox](#)
- [Control System Toolbox](#)
- [Curve Fitting Toolbox](#)
- [Econometrics Toolbox](#)
- [Financial Toolbox](#)
- [Financial Instruments Toolbox](#)
- [Fuzzy Logic Toolbox](#)
- [Global Optimization Toolbox](#)
- [Image Processing Toolbox](#)
- [Model Predictive Control Toolbox](#)
- [Neural Network Toolbox](#)
- [Optimization Toolbox](#)
- [Partial Differential Equation Toolbox](#)
- [Phased Array System Toolbox](#)
- [Robust Control Toolbox](#)
- [RF Toolbox](#)
- [Signal Processing Toolbox](#)
- [Statistics and Machine Learning Toolbox](#)
- [Symbolic Math Toolbox](#)

Limitations

- Simulink graphical environment is not supported
- Hardware connectivity is not supported

MATLAB Mobile

Connect to MATLAB from your iPhone, iPad, or Android device

MATLAB Mobile™ is a lightweight desktop for your iPhone, iPad, or Android™ device that connects to a MATLAB® session running on MathWorks Cloud or on your computer. From the convenience of your mobile device, you can evaluate MATLAB commands, run scripts, create and manipulate plots and figures, and view results. Custom keyboards enable easy entry of MATLAB syntax.

Connecting to the cloud provides access to a MATLAB session, along with storage on [MATLAB Drive](#). Once stored, your files are available wherever you go. MATLAB Drive synchronizes files between your computers and MATLAB Mobile, eliminating the need for manual upload and download. Connecting to your computer with the MATLAB Connector provides access to your MATLAB scripts and data on that computer.

With MATLAB Mobile, you can also acquire data from device sensors like the accelerometer, the gyroscope, the magnetometer and the GPS. Acquired data can be sent to a MATLAB session on the cloud or on your computer.

Download the MATLAB App from
Apple App store or Google Play

MATLAB Training

<https://www.halvorsen.blog/documents/programming/matlab>

Here you find lots of Training material, including Videos, Exercises, etc.

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