



# MathWorks Licensing for Educational Use

## Create a MATLAB Enabled Campus

MathWorks offers a Total Academic Headcount (TAH) license for colleges and universities to provide their campus community with access to MathWorks products.

### Key Features

- Allows faculty and researchers access on and off campus
- Allows students to install on their own computers
- Covers non-commercial work of all staff and students at degree-granting institutions
- Through annual offering, provides more predictable cost model for budget planning
- Eases license management and ensures software license compliance through central administration
- Provides MathWorks products to all disciplines and through all levels of study, beginning first year

### Access Options

You can make MATLAB, Simulink, and other add-on products available on campus to your entire faculty, staff, researcher, and student population. Choose one or both of the TAH license options:

- **Campus Option:** Includes on-campus and home use for all faculty, staff, and researchers. Classroom and lab installation included. Student use is restricted to on-campus computing facilities.
- **Student Option:** Permits students to install on their home or laptop computers.

*The TAH Campus and Student Options are independent licenses that include products, dependencies, and access rights tied specifically to the TAH license option chosen. Both TAH licenses easily integrate into bring your own device (BYOD) programs.*

### TAH Add-On Products

Provide a comprehensive set of tools to your campus by extending the standard configuration. Select from nearly 60 products to add to your TAH license, and ensure that your campus has cost-effective access to a broad range of capabilities to support intradisciplinary research and teaching.

With the MATLAB Distributed Computing Server (MDCS) Add-On, you can run up to 32 workers (MATLAB computational engines) on each cluster for which you obtain a license key. MATLAB users can scale their parallel MATLAB applications (built on their desktops using Parallel Computing Toolbox) to workers on an enabled cluster. Our technical support team will help administrators with installation and integration for each cluster. For clusters that need to upgrade beyond 32 workers, a separate larger MDCS license can be purchased and utilized without the need to re-install or re-integrate.

### Standard Configuration

- MATLAB
- Simulink
- Bioinformatics Toolbox
- Control System Toolbox
- Curve Fitting Toolbox
- Data Acquisition Toolbox
- DSP System Toolbox
- Image Processing Toolbox
- Instrument Control Toolbox
- Optimization Toolbox
- Parallel Computing Toolbox
- Signal Processing Toolbox
- SimMechanics
- Simscape
- Simulink Control Design
- Stateflow
- Statistics Toolbox
- Symbolic Math Toolbox

### Connect MATLAB and Simulink to Hardware: Project-Based Learning

Project-based learning uses active educational techniques and gives students direct exposure to hardware and software. By extending the approach to incorporate industry-standard software such as MATLAB and Simulink, instructors not only keep students motivated but also prepare them for a range of careers. Simulink assists in the achievement of these goals with built-in support for interfacing with low-cost hardware, including Arduino, BeagleBoard, LEGO MINDSTORMS NXT, and Raspberry Pi platforms.



## Pricing

Pricing is based on student enrollment at an academic institution. Ask your MathWorks account representative for more information on how to receive a quote for your university.

## Existing Licenses

To maintain your existing investment in MathWorks licenses, storage options are available. Ask your MathWorks representative for details.

## Create a MATLAB Enabled Campus

More than 350 schools, including 23 of the top 25 universities on the Times Higher Education's World University Rankings, offer campus-wide access to MATLAB and Simulink through a TAH license. To learn how other academic institutions are creating a MATLAB enabled campus, read these user stories on the MathWorks web site:

[Ace Lab Hanyang University](#)

[Cornell University](#)

[Georgia Institute of Technology](#)

[Lund University](#)

[Pennsylvania State University](#)

[RWTH Aachen University](#)

[Technische Universität München](#)

[University of Melbourne](#)

## Resources

The License Center provides centralized access for license management information and tasks.

- Manage user information
- Activate and deactivate software
- Retrieve keys and passcodes
- Redesignate products, users and computers

The TAH Resource Kit provides direct access to the TAH License Administration Guide and answers to frequently asked questions. Templates for posters and email messages are included to assist administrators in notifying their user community about how to gain access to MathWorks products. In addition, a selection of resources to get users started is provided. Preview the kit at [mathworks.com/tahkit](http://mathworks.com/tahkit).

Location of TAH Resource Kit

The screenshot shows the License Center interface for license XXX973. It includes tabs for License Details, Activation and Installation, End Users and License Contacts, and Passcodes. The License Attributes section shows: License Label: XXX973, Email Domains: Allowed, Option: Total Academic Headcount Student, Activation Type: Standalone Named User, Use: Academic, Term: Annual, and Release: R2013a. Below this is a table titled 'Products on License' with columns for Count, Product, and Maintenance End Date. The table lists six products, all with a count of 6725 and a maintenance end date of 01 Sep 2013.

Count	Product	Maintenance End Date
6725	MATLAB	01 Sep 2013
6725	Simulink	01 Sep 2013
6725	Bioinformatics Toolbox	01 Sep 2013
6725	Control System Toolbox	01 Sep 2013
6725	Curve Fitting Toolbox	01 Sep 2013
6725	DSP System Toolbox	01 Sep 2013

## Scale Parallel MATLAB Applications to Computer Clusters

Develop your parallel application on a multicore desktop computer using Parallel Computing Toolbox and scale up to computer clusters with MATLAB Distributed Computing Server. Key features of the server include:

- Built-in support for interactive cluster sessions and batch execution
- Support for different parallelization techniques and programming options including: embarrassingly parallel (task parallel), distributed arrays (data parallel), GPU computing, and message passing (MPI)
- Support for commonly used third-party schedulers, and provision of built-in scheduler for clusters that run MATLAB only jobs
- Infrastructure for sharing and exchange of code and data

Ask your MathWorks representative for details on how MDCS can complement your TAH license.

Learn more at [mathworks.com/mdcs](http://mathworks.com/mdcs)

Complement your TAH license with **MATLAB self-paced training**. This professional training option is available as an annual license to provide a convenient and cost effective way to develop MATLAB skills. Ask your MathWorks representative for details and pricing.