



## How to get *Mathematica* for your personal computer

### ■ *Student personally owned machines*

Follow the directions below to download software from Wolfram and request the appropriate activation key.

1. Create an account (new users only):
  - a. Go to [user.wolfram.com](http://user.wolfram.com) and click “Create Account”
  - b. Fill out the form using an @allegheny.edu email, and click “Create Wolfram ID”
  - c. Check your email and click the link to validate your Wolfram ID
2. Request the download and key:
  - a. [Fill out this form](#) to request an Activation Key
  - b. Click the “Product Summary page” link to access your license
  - c. Click “Get Downloads” and select “Download” next to your platform
  - d. Run the installer on your machine, and enter Activation Key at prompt

### ■ *Faculty and staff personally owned machines*

[Fill out this form](#) to request a home-use license from Wolfram.

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## *Mathematica Tutorials*

The first two tutorials are excellent for new users, and can be assigned to students as homework to learn Mathematica outside of class time.

### ■ [Hands-on Start to Mathematica](#)

Follow along in Mathematica as you watch this multi-part screencast that teaches you the basics—how to create your first notebook, calculations, visualizations, interactive examples, and more.

### ■ [What’s New in Mathematica 10](#)

Provides examples to help you get started with new functionality in Mathematica 10, including machine learning, computational geometry, geographic computation, and device connectivity.

### ■ [How To Topics](#)

Access step-by-step instructions ranging from how to create animations to basic syntax information.

### ■ [Learning Center](#)

Search Wolfram’s large collection of materials for example calculations or tutorials in your field of interest.

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## Teaching with *Mathematica*

Mathematica offers an interactive classroom experience that helps students explore and grasp concepts, plus gives faculty the tools they need to easily create supporting course materials, assignments, and presentations.

- **[Mathematica for Teaching and Education](#)**—Free video course  
Learn how to make your classroom dynamic with interactive models, explore computation and visualization capabilities in Mathematica that make it useful for teaching practically any subject at any level, and get best-practice suggestions for course integration.
  - **[How To Create a Lecture Slideshow](#)**—Video tutorial  
Learn how to create a slideshow for class that shows a mixture of graphics, calculations, and nicely formatted text, with live calculations or animations.
  - **[Wolfram Demonstrations Project](#)**  
Download pre-built, open-code examples from a daily-growing collection of interactive visualizations, spanning a remarkable range of topics.
  - **[Wolfram Training Education Courses](#)**  
Access on-demand and live courses on Mathematica, SystemModeler, and other Wolfram technologies.
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## Research with *Mathematica*

Rather than requiring different toolkits for different jobs, Mathematica integrates the world's largest collection of algorithms, high-performance computing capabilities, and a powerful visualization engine in one coherent system, making it ideal for academic research in just about any discipline.

- **[Mathematica for University Research](#)**—Free video course  
Explore Mathematica's high-level and multi-paradigm programming language, support for parallel computing and GPU architectures, built-in functionality for specialized application areas, and multiple publishing and deployment options for sharing your work.
- **[Utilizing HPC and Grid Computing](#)**—Video tutorial  
Learn how to create programs that take advantage of multicore machines or available clusters.
- **[Field-Specific Applications](#)**  
Learn what areas of Mathematica are useful for specific fields.