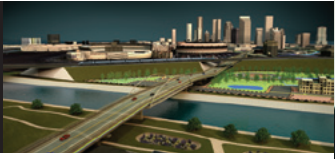
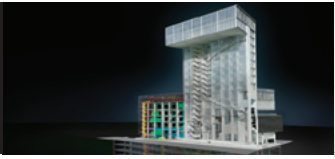
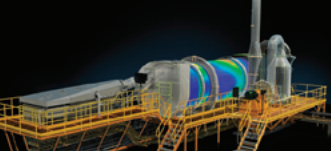




Autodesk Education Master Suite



Autodesk Factory Design Suite  
Ultimate



Autodesk Product Design Suite  
for Education



Autodesk Plant Design Suite  
Ultimate



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Daniel Talancon, Vince Romanin, and Dr. David Dornfeld  
from the University of California, Berkeley.



There's never been a better time to give students the tools to help them do their most innovative work as they prepare for careers as architects, construction managers, engineers, designers of products or interior space, and digital artists.

Autodesk is helping educators move beyond traditional academic constructs to encourage the use of advanced technology to explore new ideas and new ways to look at, and solve, problems.

Now more than ever, we need students who will push the boundaries of design and tackle some of the world's greatest challenges.

### Build Knowledge

Autodesk provides technology and resources that help enable faculty to engage, prepare, and inspire students with foundational knowledge through:

- Curricula that help align classroom learning with industry needs.
- Software suites built upon industry trends, giving students access to the same software professionals use every day.
- Cloud computing with Autodesk® 360 offerings, enabling students to take advantage of the virtually infinite computing power of the cloud.

### Practice Skills

Autodesk provides the right learning resources to help ensure that students get the practical skills they need.

- Online learning resources and tutorials help students learn to use technology at their own pace.
- Autodesk Training Center (ATC®) sites provide training programs designed specifically for academic audiences.
- Autodesk certification exams help faculty and students assess and validate their industry-level skills.
- Online learning resources that focus on principles and applications to assist educators' lessons by integrating industry concepts and theory into their course content.
- Resources on YouTube, Facebook, and other online services provide students and educators with additional self-learning opportunities.

### Inspire Innovation

Competitions and extracurricular activities are an exciting part of student life, helping to build character, leadership, and collaboration skills.

- Autodesk partners with design competitions and organizations such as Formula Student, Solar Decathlon, and WorldSkills International enabling students to showcase their problem solving skills and gain hands-on experience while tackling real-world challenges.
- Autodesk consumer apps help educators use fun technology to foster creative thinking through visual and interactive problem solving on various platforms.
- Autodesk supports the Maker Movement and TechShop so educators and students can imagine, design, and fabricate their creations.



## Postsecondary Education Suites

|   | Autodesk® Education Master Suite | Autodesk® Design Suite Ultimate | Autodesk® Building Design Suite Ultimate | Autodesk® Infrastructure Design Suite Ultimate | Autodesk® Plant Design Suite Ultimate | Autodesk® Factory Design Suite Ultimate | Autodesk® Product Design Suite for Education | Autodesk® Entertainment Creation Ultimate |
|---|----------------------------------|---------------------------------|--|--|---------------------------------------|---|--|---|
| AutoCAD®  | ✓                                | ✓                               | ✓  | ✓  | ✓                                     |   | ✓  |   |
| AutoCAD® Architecture                             | ✓                                |                                 | ✓  |  |                                       | ✓                                       |  |   |
| AutoCAD® Civil 3D®                                | ✓                                |                                 |  | ✓  |                                       |   |  |   |
| AutoCAD® Electrical                               | ✓                                |                                 |  |  |                                       |   | ✓  |   |
| AutoCAD® Map 3D                                   | ✓                                |                                 |  | ✓  |                                       |   |  |   |
| AutoCAD® Mechanical                               | ✓                                |                                 |  |  |                                       | ✓                                       | ✓  |   |
| AutoCAD® MEP                                      | ✓                                |                                 | ✓  |  |                                       |   |  |   |
| AutoCAD® Piping & Instrumentation Design (P&ID)   |                                  |                                 |  |  | ✓                                     |   |  |   |
| AutoCAD® Plant 3D                                 | ✓                                |                                 |  |  | ✓                                     |   |  |   |
| AutoCAD® Raster Design                            | ✓                                | ✓                               |  | ✓  |                                       |   |  |   |
| AutoCAD® Structural Detailing                     | ✓                                |                                 | ✓  |  | ✓                                     |   |  |   |
| AutoCAD® Utility Design                           | ✓                                |                                 |  | ✓  |                                       |   |  |   |
| Autodesk® 3ds Max®                                |                                  |                                 |  |  |                                       |   |  | ✓   |
| Autodesk® 3ds Max® Design                         | ✓                                | ✓                               | ✓  | ✓  |                                       | ✓                                       | ✓  |   |
| Autodesk® Alias® Design                           | ✓                                | ✓                               |  |  |                                       |   | ✓  |   |
| Autodesk® Infrastructure Modeler                  | ✓                                |                                 | ✓  | ✓  |                                       |   |  |   |
| Autodesk® Inventor®                               |                                  |                                 | ✓  |  | ✓                                     |   |  |   |
| Autodesk® Inventor® Professional                  | ✓                                |                                 |  |  |                                       | ✓                                       | ✓  |   |
| Autodesk® Maya®                                   |                                  |                                 |  |  |                                       |   |  | ✓   |
| Autodesk® MotionBuilder®                          |                                  |                                 |  |  |                                       |   |  | ✓   |
| Autodesk® Mudbox®                                 | ✓                                | ✓                               |  |  |                                       |   | ✓  | ✓   |
| Autodesk® Navisworks® Manage                      | ✓                                |                                 | ✓  | ✓  | ✓                                     | ✓                                       |  |   |
| Autodesk® Navisworks® Simulate                    |                                  |                                 |  |  |                                       |   | ✓  |   |
| Autodesk® Quantity Take Off (QTO)                 | ✓                                |                                 | ✓  |  |                                       |   |  |   |
| Autodesk® Revit®                                  | ✓                                |                                 | ✓  |  |                                       |   |  |   |
| Autodesk® Revit® Architecture                     |                                  |                                 |  |  |                                       |   |  |   |
| Autodesk® Revit® Structure                        |                                  |                                 |  | ✓  | ✓                                     |   |  |   |
| Autodesk® Robot™ Structural Analysis Professional | ✓                                |                                 | ✓  |  |                                       |   |  |   |
| Autodesk® Showcase®                               | ✓                                | ✓                               | ✓  |  | ✓                                     | ✓                                       | ✓  |   |
| Autodesk® Simulation Moldflow® Adviser Ultimate   | ✓                                |                                 |  |  |                                       |   | ✓  |   |
| Autodesk® Simulation Multiphysics                 | ✓                                |                                 |  |  |                                       |   | ✓  |   |
| Autodesk® SketchBook® Designer                    | ✓                                | ✓                               | ✓  |  | ✓                                     | ✓                                       | ✓  | ✓   |
| Autodesk® Softimage®                              |                                  |                                 |  |  |                                       |   |  | ✓   |
| Autodesk® Vault Basic                             | ✓                                |                                 |  |  |                                       | ✓                                       | ✓  |   |

## Autodesk Education Master Suite

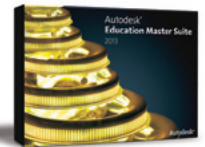
Autodesk® Education Master Suite software is a comprehensive suite that introduces students to tools that support industry trends such as Digital Prototyping, Building Information Modeling (BIM), Digital Entertainment Creation (DEC), sustainable design, and interdisciplinary collaboration.

### KEY BENEFITS

- Helps educators prepare students to use a multidisciplinary approach to architecture, engineering, and digital arts
- Helps enable students move more easily between 2D and 3D design environments to design, visualize, and simulate their ideas
- Provides online custom curricula that offer interactive exercises, modular projects, and instructor lesson slides

### Autodesk Education Master Suite includes:

- AutoCAD®
- AutoCAD® Architecture
- AutoCAD® Civil 3D®
- AutoCAD® Electrical
- AutoCAD® Map 3D
- AutoCAD® Mechanical
- AutoCAD® MEP
- AutoCAD® Plant 3D
- AutoCAD® Raster Design
- AutoCAD® Structural Detailing
- AutoCAD® Utility Design
- Autodesk® Alias® Design
- Autodesk® Infrastructure Modeler
- Autodesk® Inventor® Professional
- Autodesk® Mudbox®
- Autodesk® Navisworks® Manage
- Autodesk® Quantity Takeoff
- Autodesk® Revit®\*\*
- Autodesk® Robot™ Structural Analysis Professional
- Autodesk® Showcase®
- Autodesk® Simulation Moldflow® Adviser Ultimate
- Autodesk® Simulation Multiphysics
- Autodesk® SketchBook® Designer
- Autodesk® Vault
- Autodesk® 3ds Max® Design



### The following curricula support Education Master Suite:

- Autodesk® Alias® Curriculum
- Autodesk® Building Information Modeling Workshop
- Autodesk® Built by Design
- Autodesk® Civil Engineering Curriculum
- Autodesk® Conceptual Design Curriculum
- Autodesk® Digital STEAM Workshop
- Autodesk® Inventor® Curriculum
- Autodesk® Sustainability Online Workshop
- Autodesk® Sustainable Design Curriculum
- CAD learning tutorials for Autodesk® Inventor®

For more information, visit [www.autodesk.com/curricula](http://www.autodesk.com/curricula).



## Autodesk Building Design Suite Ultimate

Autodesk® Building Design Suite Ultimate helps educators prepare architecture, engineering, and construction management students to design, visualize, and simulate their projects with Building Information Modeling (BIM) software and custom curricula.

### KEY BENEFITS

- Builds an educational foundation with an optimized set of tools that includes the power of BIM centered on the Autodesk® Revit® platform
- Helps improve understanding of design intent, increase efficiency, and enable new ways of working with BIM tools to inspire students to create sustainable design and construction
- Incorporates the familiarity of AutoCAD® products for efficient documentation

## Autodesk Infrastructure Design Suite Ultimate

Autodesk® Infrastructure Design Suite Ultimate helps educators prepare students for careers in engineering with access to comprehensive design and analysis tools used in professional practice.

### KEY BENEFITS

- Helps students master engineering design and analysis, as well as structural modeling with discipline-specific software, geographic information system (GIS), BIM, and design visualization tools
- Supports multidisciplinary studies by helping enable engineering students to integrate models from multiple sources
- Automates the process of turning civil engineering data into more accurate, high-impact visuals to help validate designs and communicate project intent



### Autodesk Building Design Suite Ultimate includes:

- AutoCAD®
- AutoCAD® Architecture
- AutoCAD® MEP
- AutoCAD® Structural Detailing
- Autodesk® Infrastructure Modeler
- Autodesk® Inventor®
- Autodesk® Navisworks® Manage
- Autodesk® Quantity Takeoff
- Autodesk® Revit®\*\*
- Autodesk® Robot™ Structural Analysis Professional
- Autodesk® Showcase®
- Autodesk® SketchBook® Designer
- Autodesk® 3ds Max® Design

### The following curricula support Building Design Suite Ultimate:

- Autodesk® BIM for Architecture, Engineering, and Construction Management Curriculum
- Autodesk® Sustainability Online Workshop

For more information, visit  
[www.autodesk.com/curricula](http://www.autodesk.com/curricula).

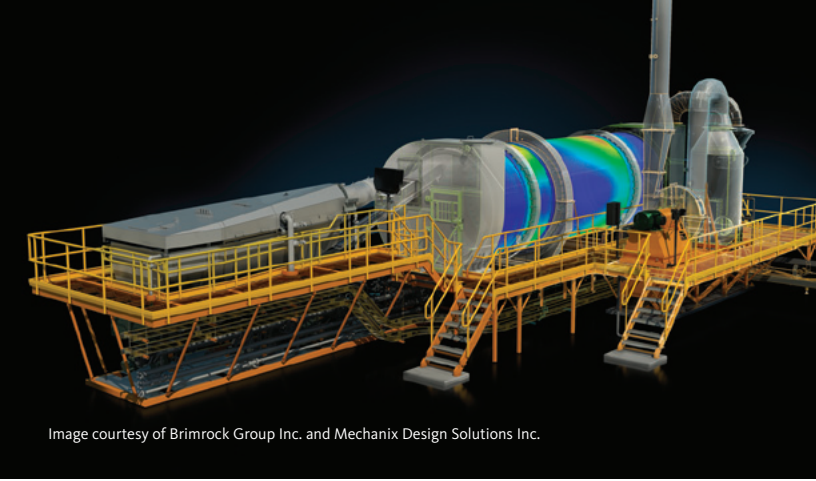
### Autodesk Infrastructure Design Suite Ultimate includes:

- AutoCAD®
- AutoCAD® Civil 3D®
- AutoCAD® Map 3D
- AutoCAD® Raster Design
- AutoCAD® Utility Design
- Autodesk® Infrastructure Modeler
- Autodesk® Navisworks® Manage
- Autodesk® Revit® Structure
- Autodesk® 3ds Max® Design

### The following curriculum supports Infrastructure Design Suite Ultimate:

- Autodesk® Civil Engineering Curriculum





## Autodesk Factory Design Suite Ultimate

Autodesk® Factory Design Suite Ultimate, featuring Autodesk® Inventor® software, is a comprehensive set of design, engineering, visualization, and simulation tools, which helps enable educators to go beyond teaching 2D and 3D layouts to address digital factory layout workflows.

### KEY BENEFITS

- Helps elevate the design expertise of next-generation layout, industrial, and facilities engineers by using powerful tools to foster greater collaboration, flexibility, and innovation
- Includes Autodesk Navisworks® Manage software so students can aggregate design data authored with Autodesk products or tools from other vendors to simulate, validate, and optimize layouts
- Equips students with tools to initiate 2D or 3D layouts and seamlessly incorporate intelligent 3D geometry, including machinery, tooling, HVAC, piping, and electrical

## Autodesk Product Design Suite for Education

Autodesk® Product Design Suite for Education (Ultimate) offers a design workflow toolset that helps educators teach Digital Prototyping and product data management to aspiring designers and mechanical engineers.

### KEY BENEFITS

- Offers a complete set of design, engineering, visualization, and simulation tools, helping enable educators to go beyond teaching 3D solid modeling to address the Digital Prototyping workflow
- With Autodesk Inventor as the core, the suite provides students with tools to design, visualize, and simulate their coursework as they learn to predict how their designs will perform under real-world conditions
- Features Autodesk® Vault software, which enables students to manage coursework and lab assignments in the same way they will be expected to manage their workflows in industry



### Autodesk Factory Design Suite Ultimate includes:

- AutoCAD® Architecture
- AutoCAD® Mechanical
- Autodesk® Factory Design Utilities
- Autodesk® Inventor® Professional
- Autodesk® Navisworks® Manage
- Autodesk® Showcase®
- Autodesk® Vault Basic
- Autodesk® 3ds Max® Design

### The following curriculum supports Factory Design Suite Ultimate:

- Autodesk® Simulation Workshop

### Autodesk Product Design Suite for Education includes:

- AutoCAD® Electrical
- AutoCAD® Mechanical
- Autodesk® Alias® Design
- Autodesk® Inventor® Professional
- Autodesk® Mudbox®
- Autodesk® Navisworks® Simulate
- Autodesk® Showcase®
- Autodesk® Simulation Moldflow® Adviser Ultimate
- Autodesk® Simulation Multiphysics
- Autodesk® SketchBook® Designer
- Autodesk® 3ds Max® Design

### The following bonus software is also included in the suite:

- AutoCAD®
- Autodesk® Inventor® Fusion
- Autodesk® Vault Basic

### The following curriculum supports Product Design Suite for Education:

- Autodesk® Simulation Workshop





Image courtesy of Hangzhou Xuangi Science & Technology Information Corporation

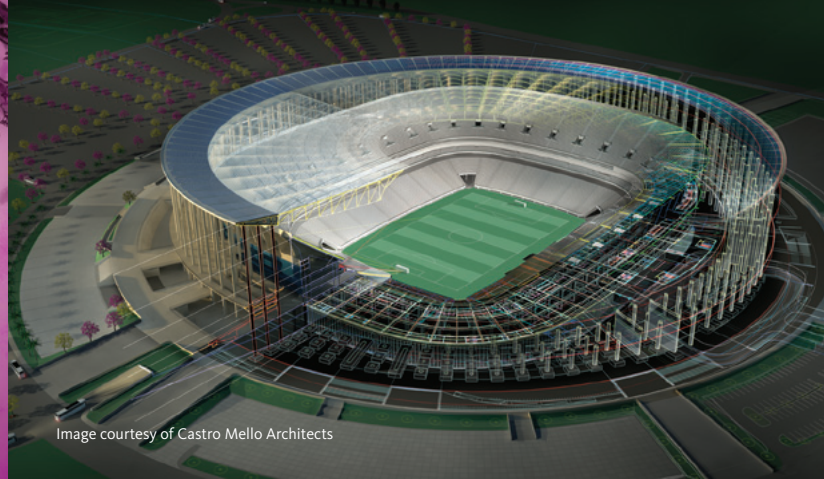


Image courtesy of Castro Mello Architects

## Autodesk Entertainment Creation Suite Ultimate

Autodesk® Entertainment Creation Suite Ultimate offers academic institutions exceptional value, providing a streamlined solution for teaching 3D modeling, digital sculpting, texture painting, animation, effects, and rendering.

### KEY BENEFITS

- The suite helps enable aspiring digital artists to draw from a broad palette of complementary and specialized tools and gain the flexibility to use the best tool for the job.
- It offers students the opportunity to learn how to work within modern, flexible pipelines that support today's projects and scale for tomorrow's opportunities.
- Single-step interoperability and more consistent user interfaces facilitate working with multiple Autodesk products to help make specialized toolsets more accessible.

## AutoCAD Design Suite Ultimate

AutoCAD® Design Suite Ultimate provides proven and intuitive conceptual design, visualization, presentation, and sketching tools that can help educators prepare students for careers in design.

### KEY BENEFITS

- Combines powerful AutoCAD® software with easy-to-use visual communication tools for all levels of users
- Helps enable students to deliver high-quality drawings, illustrations, renderings, and presentations using familiar tools and workflows
- Helps students increase their technical knowledge so they can begin their careers with the experience and skills required in a highly competitive global marketplace



### Autodesk Entertainment Creation Suite Ultimate includes:

- Autodesk® Maya®
- Autodesk® MotionBuilder®
- Autodesk® Mudbox®
- Autodesk® SketchBook® Designer
- Autodesk® Softimage®
- Autodesk® 3ds Max®

### The following learning content supports Entertainment Creation Suite Ultimate:

- Autodesk® Digital STEAM Workshop

For more information, visit  
[www.autodesk.com/curricula](http://www.autodesk.com/curricula).

### AutoCAD Design Suite Ultimate includes:

- AutoCAD®
- AutoCAD® Raster Design
- Autodesk® Alias® Design
- Autodesk® Mudbox®
- Autodesk® Showcase®
- Autodesk® SketchBook® Designer
- Autodesk® 3ds Max® Design



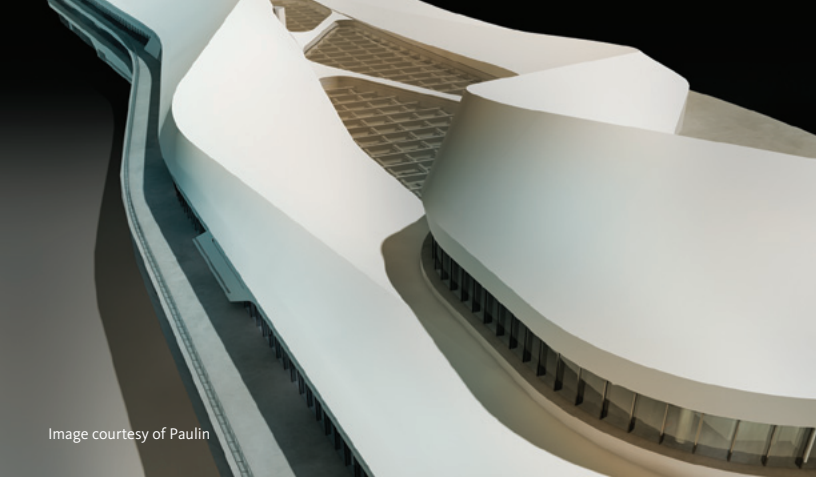
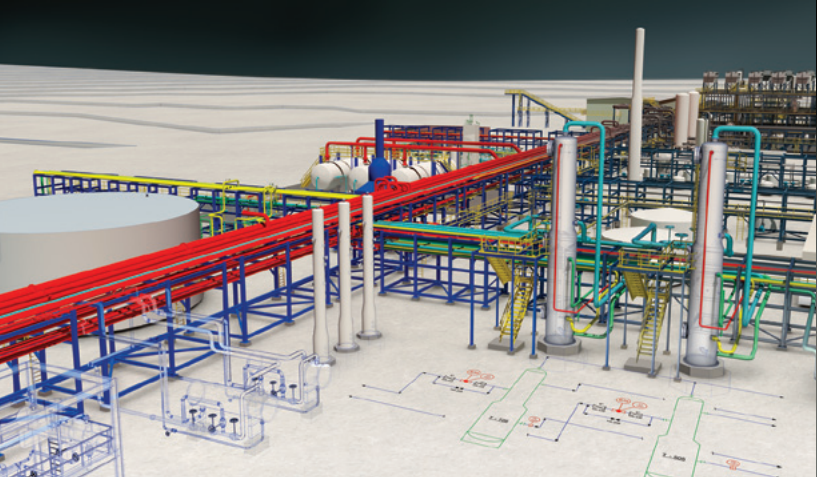


Image courtesy of Paulin

## Autodesk Plant Design Suite Ultimate

Autodesk® Plant Design Suite Ultimate provides a comprehensive set of modeling, visualization, simulation, and drafting tools that help educators prepare students for careers in plant design and engineering.

### KEY BENEFITS

- Delivers an integrated set of tools for plant design that maximizes the value of existing AutoCAD® expertise and resources
- Enhances AutoCAD-based workflows with multidisciplinary plant design tools, enabling greater productivity and better project coordination among students
- Includes capabilities for clash detection and Digital Prototyping of plant equipment, helping to reduce errors and enabling students to keep their projects on schedule



### Plant Design Suite Ultimate includes:

- AutoCAD®
- AutoCAD® P&ID
- AutoCAD® Plant 3D
- AutoCAD® Structural Detailing
- Autodesk® Inventor®
- Autodesk® Navisworks® Manage
- Autodesk® Revit® Structure
- Autodesk® Showcase®
- Autodesk® SketchBook® Designer

## Learn About Industry Trends

### Remove Barriers to Better Decisions with Building Information Modeling

Building Information Modeling (BIM) is an intelligent model-based process that provides insight for creating and managing building and infrastructure projects faster, more economically, and with less environmental impact. BIM is also a principle that many architecture and engineering firms are using to drive their business forward.

Educators can help students learn to use intelligent models created through a BIM process to better position them when moving into their career.

Visit [www.autodesk.com/bim](http://www.autodesk.com/bim)

### Design World's Best Products with Digital Prototyping

In the global manufacturing marketplace, manufacturers rely on Digital Prototyping to increase their competitive advantage with differentiated, more innovative products, while increasing revenue by delivering the right product to market at the right time.

Educators can help ensure students entering the workplace have an advantage by understanding the principles of the Digital Prototyping approach to product development.

Visit [www.autodesk.com/digitalprototyping](http://www.autodesk.com/digitalprototyping)

### Support Creativity with Digital Entertainment Creation

Using technology to increase creative capability and improve production efficiency is critical to today's film and game industries. Digital Entertainment Creation technology from Autodesk enables student and commercial artists to use technology to create more innovative entertainment experiences, more easily transform their creative ideas into innovative entertainment, and create more believable digital worlds and characters.

Visit [www.autodesk.com/modernpipeline](http://www.autodesk.com/modernpipeline)

### Teach Sustainable Design

Nearly all industries—from consumer goods and transportation to architecture, utilities, and urban planning—are asking designers and engineers to deliver more sustainable products and projects. Autodesk offers educational tools and resources to help educators learn and teach sustainable design and analysis.

Visit [www.autodesk.com/sustainabledesignedu](http://www.autodesk.com/sustainabledesignedu)



Image courtesy of CCDI Group

## About Autodesk

Autodesk, Inc., is a leader in 3D design, engineering, and entertainment software. Customers across the manufacturing, architecture, building, construction, and media and entertainment industries—including the last 17 Academy Award® winners for Best Visual Effects—use Autodesk software to design, visualize, and simulate their ideas. Since its introduction of AutoCAD® software in 1982, Autodesk continues to develop the broadest portfolio of state-of-the-art software for global markets. For additional information about Autodesk, visit [www.autodesk.com](http://www.autodesk.com).

## Explore Additional Resources

### Download Free Software

The Autodesk Education Community is an online resource with more than four million members that enables educators and students to download—for free\*—the same software used by professionals worldwide. It's also where curriculum and training materials can be found that provide the product know-how to design, visualize, and simulate ideas.

Visit [www.autodesk.com/edcommunity](http://www.autodesk.com/edcommunity)

### Autodesk Interactive Workshops

Autodesk Interactive Workshops are comprehensive teaching tools that give you the extra edge to succeed. The workshops boast an abundance of learning materials, videos, exercises, presentations, and case studies – content that is useful to both students and faculty alike. Incorporate these tools and resources into your courses and learning materials.

### Autodesk Subscription and Autodesk 360 Cloud Services

Autodesk® Subscription gives you an advantage with powerful cloud-based services, upgrades to the latest software releases, online technical support, and flexible licensing privileges.\*\*\*

Learn more at [www.autodesk.com/subscription](http://www.autodesk.com/subscription)

### Autodesk Suites for Students

With the new Autodesk Suites available to students, your students can use design software used by the professionals to explore the many worlds of design and engineering, or prepare themselves for careers as designers—all with a perpetual license that doesn't expire and expanded usage rights that include the home, classroom, and lab all at an affordable price.

Learn more at [www.autodesk.com/studentsuites](http://www.autodesk.com/studentsuites).

### Validate your Student's Skills

Autodesk Certifican can enrich the substance and value of your course curriculum. With certification, students get the opportunity to develop foundational expertise in industry recognized software as part of their chosen course of study and endorse the skills necessary to continue their design careers—whether they attend college, enter the workforce or work toward additional levels of industry certification after graduation.

### Learn More or Purchase

Autodesk offers academic institutions and schools more affordable pricing and flexible licensing terms on Autodesk® software, curricula, and training, including significant price reductions for volume purchases. Autodesk Education suites are generally available in both one-year term and perpetual license forms\*\*\*\* and can be installed using either stand-alone or network licensing.

To purchase any Autodesk Education suite, contact an Autodesk Academic Value Added Reseller by visiting [www.autodesk.com/reseller](http://www.autodesk.com/reseller).



\*Free products are subject to the terms and conditions of the end-user license or services agreement that accompanies them. Free software licenses are for personal learning use and may not be used for commercial, professional or other for-profit purposes, nor for classroom or lab use.

\*\*Autodesk Revit includes the capabilities of Revit Architecture, Revit MEP, and Revit Structure.

\*\*\*All Subscription benefits are not available for all products in all geographies. Please consult your Autodesk reseller or sales representative for more information.

\*\*\*\*Some suites may not be offered in both term and perpetual versions in certain regions.