

DIGITAL INDUSTRIES SOFTWARE

NX Academic Edition

Enabling students to learn mechanical engineering with industry-leading software and methods used by professionals

Benefits

- Empower students to learn mechanical engineering with industry-leading software and methods used by professionals
- Support educators who teach the principles of design and engineering
- Teach students design skills within the framework of the product development process
- Provide engineering analysis training with simulation tools
- Learn CNC machine tool programming to gain insight into how products are manufactured
- Equip students with knowledge and software proficiency required by today's companies

Summary

Providing a hands-on experience with NX™ software from Siemens Digital Industries Software is a great way to bring the industry's most complete product development environment into the educational process. NX, which is part of the Siemens Xcelerator business platform of software, hardware and services, provides high-performance, integrated solutions for design, simulation and manufacturing, including all the core design, simulation and manufacturing functionality your engineering curriculum demands. This enables your students to use the same methods and capabilities employed by engineering professionals all over the world.

Using NX helps educators focus on teaching the principles of design and engineering, supported by easy-to-learn and use computer-aided design (CAD)/computer-aided manufacturing (CAM)/computer-aided engineering (CAE) technology. In today's competitive job market, using NX will give your students an advantage as they learn part, sheet metal and assembly design in the context of the product development process.

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[siemens.com/nx](https://www.siemens.com/nx)

Available to accredited institutions

NX Academic Edition is available to accredited academic institutions such as universities, technical colleges, trade schools and high schools. The software is intended for classroom training and research projects only. Academic institutions are licensed to install NX on as many computers as needed.

Student benefits

Your students will model products in 3D and learn industry standards for presenting views, dimensions and annotations. Using NX provides engineering analysis training with simulation tools that enable students to investigate more design options and arrive at better answers to product development challenges. They will also learn machine tool programming to gain insight into how products are manufactured – all using a single integrated software solution.

Licensing

NX can include loan licenses for students to use at home for completing assignments and continued learning.

Marketable skills

Students will be better prepared to enter the job market knowing not just software skills but having insight into the entire product development process. Educated students can prove their core design skills by earning an NX Design Associate certification and highlight their success with a digital badge.

What is included

Your students will be able to develop engineering skills while using advanced technologies, including:

Design

- Sophisticated freeform shape modeling, surface continuity, analysis and visualization tools
- Comprehensive 3D design, including wire-frame, surface, solid and synchronous modeling
- Creating rendered images with breakthrough quality and accuracy
- Knowledge capture and automation tools

Simulation

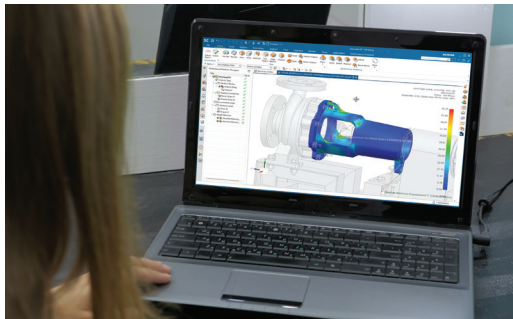
- Linear and nonlinear structural analysis
- Durability/fatigue analysis
- Thermal and flow analysis
- Motion analysis

Manufacturing

- 2.5-, 3- and 5-axis milling
- Turning and mill-turning
- Wire electrical discharge machining (EDM)
- Feature-based machining
- Machining simulation

Academic partner program

Academic institutions can apply for a software grant to access NX Academic Edition at <https://www.sw.siemens.com/en-US/academic/academic-partner-grant/>.



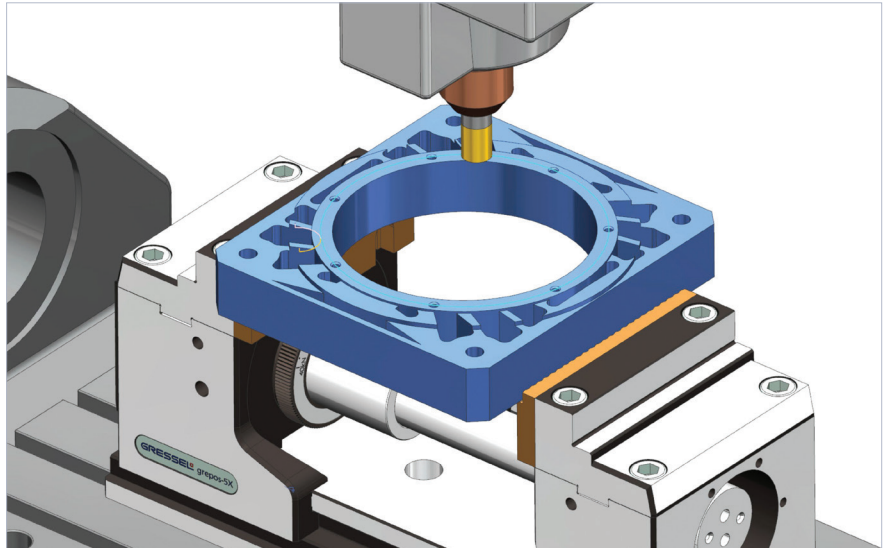
Added value for academia

Siemens' goal is to provide academic institutions worldwide with the best industry-strength engineering software. Academic institutions are also supported by:

- Instructor materials are provided via an extensive list of tutorials online at <https://www.sw.siemens.com/en-US/academic/educators/engineering-curriculum-materials/>
- Students and educators have free access to Siemens Xcelerator Academy, the Siemens software learning platform. Self-verification is available at <https://training.plm.automation.siemens.com/buy/academic.cfm>

NX Student Edition

Individual students or independent learners can download and try our NX Student Edition at: <https://www.siemens.com/nxstudent>. The NX Student Edition comes with a limited set of features and other limitations compared to the academic version and is intended for a single user only.

**System requirements**

Operating system: Microsoft Windows platform only

Memory: 2 gigabytes (GB)

Languages: English, Russian, Chinese, Japanese, Spanish, French and German.

Size: 2.46GB for the application, 1.1GB for the documentation and training.

**Siemens Digital
Industries Software**
[siemens.com/software](https://www.siemens.com/software)

Americas
1 800 498 5351

Europe
00 800 70002222

Asia-Pacific
001 800 03061910

For additional numbers,
click [here](#).