

PTC® Creo® Academic Editions Comparison Chart

FOR COLLEGE / UNIVERSITY CUSTOMERS ONLY

<p>PTC Creo University Plus [Teaching only]: 1 Year, Term, Campus Wide License of all PTC Creo applications including PTC Creo Elements/Direct, Pro/FICIENCY seats, 10 free seats of PTC University eLearning Libraries for instructor/faculty use only.</p> <p>[Teaching + non-funded research]: For funded research projects, please contact your local representative.</p> <p>Student Edition: 1 year license available to all students. Downloaded for FREE at PTC.com/go/creoforstudents</p> <p>Academic Edition: 1 year license for students' home use which includes simulation. Available in bundles via the VAR or individually via the PTC e-store.</p>	Student Edition	Academic Edition	University Plus Edition
<p>PTC Creo Product Features</p>	Free download for students with uplus access	Available in the PTC e-store store.ptc.com or campus bookstore	Annual fee edition available for colleges / universities
<p>PTC Creo Parametric™ – The essential integrated 3D CAD/CAM/CAE solution offering the most robust product design toolset. Ability to create parts, assemblies and drawings.</p>	•	•	•
<p>PTC Creo Direct™ – Easy-to-use, fast, flexible solution that gives users the ability to create and edit 3D CAD data using a direct modeling approach.</p>	•	•	•
<p>PTC Creo Elements/Direct® – Fast creation and modification of 3D/2D models by direct manipulation of geometry.</p>			•
<p>PTC Creo Simulate™ – Enables 3D virtual prototyping so you can test a range of structural and thermal properties of your design early in the detailed design process.</p>	lite	•	•

	Student Edition	Academic Edition	University Plus Edition
PTC Creo Layout™ – NEW Create 2D Conceptual Layouts – Reuse the 2D Layout to Build 3D Models.	•	•	•
PTC Creo Schematics™ – Create 2D schematic designs quickly and easily, enabling complete system documentation regardless of complexity. Includes capabilities for: wiring, piping, and hydraulic schematics.			•
PTC Creo Illustrate™ – Allows you to easily convey complex product and procedures graphically with 3D rich, interactive illustrations, animations. Create visual representations of service parts and kits to increase accuracy. Illustrate dynamic sectioning to present internal assembly components.			•
PTC Creo MCAD View™ – Quickly view, interrogate and distribute mechanical CAD models to gain valuable engineering design insight.			•
PTC Creo Sketch™ – Available for free download The easiest and fastest way for more students to contribute their ideas graphically. Capture and share your 2D designs easily and directly leverage the data in other PTC Creo apps.	Free Download	Free Download	Free Download
Flexible Modeling – Fast, flexible 3D direct editing within parametric environment. Allows users to easily select and edit a range of geometry and features without losing any design intent.	•	•	•
Advanced Framework™ – Speeds up and simplifies the creation of bolted or welded metal structures by the addition of powerful dedicated features, dynamic assistant and libraries of components & profiles.	lite	•	•
Mechanism Dynamics – Simulate and validate the behavior of a mechanism realistically taking into account the mass of its components, forces, inertia, friction, springs, joint reactions.	•	•	•
Behavioral Modeling® – Measure how the product design will react to various real-world elements, such as different environmental conditions.	•	•	•

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Interactive Surface Design – Build free-form geometry at any point in the design, using as many or as few constraints as desired, for maximum design flexibility.	•	•	•
Manikin – Insert, customize and manipulate 3D human models in your design standard to validate the ergonomics.	lite	•	•
Manikin Analysis – Insert accurate human models into your 3D CAD product models and analyze human-product interactions.		•	•
Advanced Assembly – Manages components and sub-assemblies for top-down design.	•	•	•
Advanced Rendering – Quickly create high-quality, photo-realistic product images.	•	•	•
Piping and Cabling Design – Virtual prototyping and automated routing of pipes and cables.	•	•	•
Tolerance Analysis – Provides fast, seamless geometric tolerance and variation analysis.		•	•
Complete Machining – Programming machining paths in 5-axis milling, turning, multi-axis turning centers, wire EDM 4 axis, with the use of direct and associative of PTC Creo Parametric models.			•
NC Sheetmetal™ – Create, verify and post-process tool paths for turret punch presses and contouring laser/flame machines.			•
CAM Lite – Basic 2 ½-axis milling capability, allowing machining of prismatic parts in 5-axis positioning.	•	•	•
Legacy Data Migration – Enables PTC Creo Parametric users to associate 2D drawings to 3D models imported from a 3rd party CAD system. Helps automate the process of mapping and linking the 2D drawings to the 3D model.		•	•
ECAD-MCAD Collaboration – Provides the necessary tools for a collaborative design in real time between Mechanic CAD (MCAD) and Electronic CAD (ECAD).		•	•

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Spark Analysis – Detect and document the risks of electrical arcing in an electromechanical analysis by 3D games insulation and creepage.		•	•
Computer-Aided Verification – Allows digital inspections of machined parts and assemblies for quality assurance.			•
Plastic Advisor™ – Simulates plastic-filling process for injection-molded parts.			•
Expert Moldbase™ – Simple, process-driven workflow creates automated moldbase design and detailing.			•
Tool Design – Automated parting surface creation and automated splitting make it easy to create complex tooling quickly.			•
Complete Mold Design – Core, cavity and moldbase design capabilities – all in one package.			•
Progressive Die – Enables the rapid and automated creation of cutting tools (tools to follow) to wizards and dynamic libraries of specific components.			•

PTC Creo Student Edition	PTC Creo Academic Edition	PTC Creo University Plus Edition
Student Home-use Free License	Student 1 year Standalone License	Campus-use License
Student Training	Student Training	Instructor Training
<p>Online training resources: PTC web based training through PTC University eLearning available for purchase in PTC E-Store at store.ptc.com.</p> <p>Free Resources: Free tutorials on PTC University Learning Exchange at learningexchange.ptc.com.</p>	<p>Online training resources: PTC web based training through PTC University eLearning available for purchase in PTC E-Store at store.ptc.com.</p> <p>Free Resources: Free tutorials on PTC University Learning Exchange at learningexchange.ptc.com.</p>	<p>Online training resources:</p> <ul style="list-style-type: none"> • PTC University eLearning: – Free seats included for instructors and faculty. Enables educators’ access to our learning management system and leverage the short, easy-to-absorb training modules available around the clock. These training libraries contain everything educators need to know about PTC products – from getting started to advanced topics. If you’d like to make this tool available to your students, please contact us to learn how. • Digital Course Kits – Enable educators’ access to an education portal to find and utilize any available course kits to learn on their own machine. Like a traditional textbook, educators can follow the defined course page by page at their own pace. This material is available for educators use only and should not be distributed or reproduced for students or others at the institution. <p>Free tutorials on PTC University Learning Exchange at learningexchange.ptc.com.</p> <p>Free access to pdf training material (manual and exercises.)*</p> <p>*This material is available for professors use only and should not be distributed or reproduced for students or others at the institution.</p>

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Technical Support		
<p>Basic installation and configuration support via PTC.com/go/academic-support.</p>	<p>Basic installation and configuration support via PTC.com/go/academic-support.</p>	<p>Full commercial maintenance, 24/7 hotline and updates. Open a case via PTC.com/support or call 00-800-PTC-4-HELP (00-800-782-4-4357). To log a case you will need your customer SCN number.</p>
File Format Compatibility		
<p>This edition can read and write academic data only. No compatibility with the commercial data.</p>	<p>This edition can read academic and commercial data. This edition can write only academic data.</p>	<p>This edition can read academic and commercial data and write academic data. Please note, to save the data as commercial format, will require a special PTC Creo Educational-Commercial conversion module which is not automatically included. This is a complementary module submitted to usage restrictions. To find out more please contact the Academic team at PTC.com/go/academiccontact.</p>

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