



PTC Education is committed to supporting institutions that provide our customers with tomorrow's innovators and engineers.

Prepare your students for the future of engineering and design by integrating Creo University Plus, PTC's CAD technology designed for the classroom, into your curriculum.

Benefits include:

- New AR capabilities for more meaningful and efficient collaboration
- Access to cutting-edge features like Creo Simulation Live
- Bringing optimization to student designs with additive manufacturing advancements

Additive Manufacturing

More Lattices: In addition to the standard 2.5D and 3D lattices, students can now build formula driven lattices such as gyroids, stochastic foam or conformal lattices, and define custom lattices using Creo geometry.

Build Direction: Through this package, students can analyze and optimize build orientation to minimize print time, minimize support structures or maximize tray utilization, and leverage orientation to drive lattice design.

Optimization: Creo 7.0 supports assemblies in topology optimization and offers an improved results window which enables students to thoroughly analyze and animate the results.

Augmented Reality (AR)

Rapidly define, publish and distribute AR experiences from Creo. With Creo AR Design Share, students can quickly and easily share their designs with peers and professors. Now every student can publish and store up to 10 designs, publish experiences for use with HoloLens and launch experiences using links, QR codes and ThingMarks.

Generative Design

Speed Quick: Optimization powered by the technology and algorithms of Frustum

Ease of use: Easy to setup, generate optimized designs and convert to rich B-rep geometry

Manufacturing Ready: Optimize designs based on common manufacturing requirements

Interactive: Results update dynamically as user makes geometry or setup changes.

Creo Simulation Live (CSL)

Creo Simulation Live is a technology integration with our partner, ANSYS, that completely changes the way simulation is used in the design process. Real-time simulation puts structural, thermal, and modal analyses into the hands of students, providing real-time guidance on design decisions. Giving students the opportunity to work with this groundbreaking technology provides them with the skills they need to succeed.