

Cadence University Program

Innovation Begins with Education

Cadence is a pivotal leader in electronic systems design, building upon more than 30 years of computational software expertise. We apply our underlying Intelligent System Design™ strategy to deliver software, hardware, and IP that turn design concepts into reality. Our customers are the world’s most innovative companies, delivering extraordinary products from chips to boards to complete systems for the most dynamic market applications, including hyperscale computing, 5G communications, automotive, mobile, aerospace, consumer, industrial, and healthcare.

Universities around the world have access to industry-grade Cadence® software to teach students how to solve complex technical challenges.

Today’s students are the next generation of innovators

The Cadence Academic Network is a group of universities, professors, Cadence technology experts, and industry advisors who facilitate the exchange of engineering knowledge among academic communities. Cadence partners with universities, academic institutions, and government organizations around the globe to prepare the next generation of innovators (your students!) with the tools and training they need to thrive in the competitive multiphysics system analysis marketplace.

Cadence CFD University Program

The Cadence Computational Fluid Dynamics (CFD) University Program provides educational institutions easy access to meshing and flow solver tools, powered by Fidelity™ CFD Software. Four different bundles are available:

Flow Bundle	Turbo Bundle	Marine Bundle	Pointwise Bundle
<ul style="list-style-type: none"> ▶ Fidelity Automesh Mesh Generation, including: <ul style="list-style-type: none"> - Autogrid - Hexpress - Autoseal ▶ Fidelity Flow Solver, including: <ul style="list-style-type: none"> - CPU Booster™ - Density-based solver - Modal approach - Non-linear harmonics (NLH) - Acoustics - Uncertainty quantification - GPU enablement 	<ul style="list-style-type: none"> ▶ Fidelity Automesh Mesh Generation, including: <ul style="list-style-type: none"> - Autogrid - Hexpress - Autoseal ▶ Fidelity Turbo Solver, including: <ul style="list-style-type: none"> - Structured Turbo and Unstructured DBS Solvers - CPU Booster™ - Modal Approach - Non-Linear Harmonics (NLH) - Acoustics - Uncertainty Quantification - GPU enablement ▶ Fidelity Optimization Solver ▶ Fidelity PBS Solver ▶ HPC pack of 128 cores 	<ul style="list-style-type: none"> ▶ Fidelity Automesh Mesh Generation, including: <ul style="list-style-type: none"> - Autogrid - Hexpress - Autoseal ▶ Fidelity Marine Solver ▶ HPC pack of 128 cores 	<ul style="list-style-type: none"> ▶ Fidelity Pointwise® Mesh Generation, including: <ul style="list-style-type: none"> - Geometry model import from native CAD and standard formats - Support for many mesh types - Multi-block structured using elliptic PDE techniques - Hybrid and unstructured using the T-Rex method - Overset and curved high-order meshes - Tcl-based scripting with Glyph for creating macros and templates - Support for dozens of CFD solver formats and a plugin SDK to write your own mesh importer or exporter - Runs on Windows, Linux, and Mac