

Multiphysics Campus Solution

Utilize the Power of Ansys Simulation for Teaching and Research

Improve the way your university obtains simulation software and expand the reach and effectiveness of simulations with an Ansys Multiphysics Campus Solution. Designed to make access to simulation software simple and widespread, the Ansys Multiphysics Campus Solution benefits professors, researchers, students, and student teams with a broad suite of Ansys simulation products.

/ Benefits

- Provides widespread access to industry- leading Ansys tools for teaching and research to best prepare students for industry
- Designed to support the use of simulation for all levels of learning
- Encourages multidisciplinary training with Ansys products spanning key physics areas
- Simplifies and centralizes procurement by consolidating Ansys tools in a single product bundle
- Reduces costs by bundling products together rather than purchasing individual licenses separately

"Ansys' Academic Multiphysics Campus Solution provides the engineering departments at FIU access to many of Ansys' top simulation tools with ease. Not having to manage many licenses across various departments allows our faculty to focus on teaching and research instead of managing or locating individual licenses. The Campus-Wide license has also made it significantly easier to provide both undergraduate and graduate students with simulation and multidisciplinary training. In FIU's College of Engineering and Computing, for example, we graduate more than 300 Ansys-trained engineers each year."

- Dr. Stavros Georgakopoulos
Professor, FIU , Department of Electrical and Computer Engineering

Discipline	Ansys Tools Included	Used For
Mechanical Engineering	Ansys Mechanical Enterprise	Industry-leading structural simulation, including advanced tools such as Ansys Autodyn
	Ansys Discovery	Design iterations, optimization, coupled physics
	Ansys LS-DYNA	Explicit mechanical simulation for impact, crash, etc.
	Ansys Motion	Multibody Dynamics simulation
	Ansys Sound	Post-processing product noise analysis tool
	Ansys Granta Materials Data for Simulation	Materials data library for use across Ansys tools
Aerospace Engineering	Ansys CFD Enterprise	Industry-leading fluids simulation tools such as Ansys Fluent, Ansys CFX, and more
	Ansys Blademodeler	3D blade modeling software for turbines, fans, pumps etc.
	Ansys Enight	Post-processing and visualization tools, especially powerful for fluid dynamics
Electrical and Electronic Engineering	Ansys Electronics Enterprise	Industry-leading electronics tools such as Ansys HFSS, Ansys Maxwell, Ansys IcePak, Ansys Electronics Desktop, and more
	Ansys Sherlock	Reliability and life prediction for electronics hardware
	Ansys Motor-CAD	Multiphysics analysis of electric motors
	Ansys medini analyze	Model-based safety analysis for electrical and electronic systems
	Ansys RedHawk, Ansys PowerArtist and Ansys RaptorX	PCB and chip modeling for power integrity, RTL power analysis, and silicon EM modeling
	Ansys EMA3D Cable and Ansys EMA3D Charge	Cable EMC modeling and charge carrier modeling
	Ansys Nuhertz	Filter design and optimization for RF, microwave, and digital
Manufacturing	Ansys Forming	Metal stamping simulation
	Ansys Additive Suite	Comprehensive additive manufacturing workflow
Simulation Enablement	Ansys Speos	Illumination and light propagation evaluation/visualization
	Ansys Zemax	Optical and laser system design
	Ansys optiSLang	Process integration and parametric design optimization
	Ansys ModelCenter	Automation and integration of engineering tools into workflows for model-based systems engineering
	Ansys HPC	High-performance computing supporting core tools, with CPU and GPU capability as required