

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 Ensignt | 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 |