



ACADEMIC PROGRAM /

Ansys Academic Product Reference Guide

This guide details the Ansys academic product bundles, designed for the classroom and research—from supporting individual classes or professors in a specific physics area, to offering multiphysics, campus solutions suitable for large-scale deployment across departments.

/ Table of contents

Structures & Fluids	3
Thermal Systems	4
Electronics	5
Semiconductors	6
Optics	7
Systems	8
Academic Toolbox	9
Multiphysics Campus Solution	10
Materials	12
Photonics	13
Missions	14

/ Academic bundle options and terminology

HPC: Allows simulations to run on more cores. The number provided is the cumulative number of cores used across all active simulations. This is applicable to most products.

Teaching Bundle: For teaching classes (see [allowed usage](#)). Includes 4 HPC built-in for each task.

Research Bundle: For degree related non-proprietary research (see [allowed usage](#)). Includes 4 HPC built-in for each task and an additional 12 floating HPC per research task for products using standard Ansys HPC (15 for *Ansys LS-Dyna*).

Associate Bundle: For non-proprietary research in collaboration with external industrial teams (see [allowed usage](#)). Includes 4 HPC built-in for each task and an additional 12 floating HPC per research task. These include the same product mix as Research Bundles.

Multiphysics Campus Solution: Provides both teaching and research licensing for nearly all Ansys products and additional HPC licensing. This is usually more cost effective than buying research and teaching bundles for specific product groups individually. There are different levels to this bundle and in those levels, the bundle name will contain a number in this format: (*##/###*). The first number is the number of research tasks for *each* product, the second number is the number of teaching tasks for *each* product.

Commercial Options: For commercial end-use (needs that fall outside [allowed academic usage](#)), please contact your Ansys academic representative. We recommend commercial licenses are hosted on a separate server from Ansys Academic licensing.

/ ACADEMIC STRUCTURES & FLUIDS PRODUCTS

		Mechanical & CFD		Mechanical		CFD	
Physics	Product	Teaching	Research	Teaching	Research	Teaching	Research
Structures, Fluids, Thermal & Discovery Solver Products	Ansys Mechanical Enterprise	•	•	•	•		
	Ansys CFD Enterprise	•	•			•	•
	Ansys CFD AI+	•	•			•	•
	Ansys Enight Enterprise	•	•			•	•
	Ansys Blademodeler	•	•			•	•
	Ansys Rocky	•	•				
	Ansys LS-DYNA	•	•	•	•		
	Ansys Forming	•	•	•	•		
	Ansys Additive Suite	•	•	•	•		
	Ansys Additive Print	•	•	•	•		
	Ansys Discovery Modeling	•	•	•	•	•	•
	Ansys Discovery Simulation	•	•	•	•	•	•
	Ansys Motion Enterprise	•	•	•	•		
	Ansys Sound Pro	•	•	•	•		
	Ansys Sherlock	•	•				
Electronics	Ansys Electronics Premium IcePak	•	•			•	•
Materials	Ansys GRANTA Materials Data For Simulation	•	•	•	•	•	•
MCAD Geometry & EDA Interfaces	Ansys Geometry Interfaces for Parasolid & SAT	•	•	•	•	•	•
	Ansys Geometry Interfaces for Solidwork, SolidEdge, Autodesk, NX	•	•	•	•	•	•
	Ansys Geometry Interfaces for CATIA V5 & V6 Reader	•	•	•	•	•	•
	Ansys Geometry Interfaces for Creo Parametric & Elements Direct Modeling	•	•	•	•	•	•
	Geometry Interface for JT	•	•	•	•	•	•
High Performance Computing	Built-in HPC	•	•	•	•	•	•
	Ansys HPC		•		•		•
	Ansys Rocky HPC		•				
	Ansys LS-DYNA HPC	•	•	•	•		
	Ability to Extend built-in HPC		•		•		•
Process Integration & Design Optimization	Ansys optiSLang Enterprise	•	•	•	•	•	•
	Ansys optiSLang AI+	•	•	•	•	•	•

/ ACADEMIC THERMAL SYSTEMS PRODUCTS

		Thermal Desktop	
Physics	Product	Teaching	Research
Structures & Fluids	Ansys Thermal Desktop	•	•
High Performance Computing	Built-in 12 cores HPC per task	•	•

/ ACADEMIC ELECTRONICS PRODUCTS

		Electronics Suite		High Frequency (HF)		Electric Machines (EM)	
Physics	Product	Teaching	Research	Teaching	Research	Teaching	Research
Electronics	Ansys Electronics Enterprise	•	•				
	Ansys Electronics Premium HFSS			•	•		
	Ansys Electronics Premium IcePak			•	•	•	•
	Ansys Electronics Premium SIWave			•	•		
	Ansys Electronics Premium Q3D Extractor			•	•	•	•
	Ansys Electronics Premium Maxwell					•	•
	Ansys SynMatrix Filter	•	•	•	•		
	Ansys EMC Plus	•	•	•	•		
	Ansys Charge Plus	•	•	•	•		
	Ansys Motor-CAD Enterprise	•	•	•	•		
	Ansys NuHertz FilterSolutions	•	•			•	•
Structures, Fluids, Thermal & Discovery Solvers	Ansys Discovery Modeling	•	•	•	•	•	•
	Ansys Discovery Simulation	•	•	•	•	•	•
	Ansys Sherlock	•	•				
Materials	Ansys GRANTA Materials Data for Simulation	•	•	•	•	•	•
MBSE (Model-Based Systems Engineering)	Ansys Medini Analyze Enterprise	•	•	•	•	•	•
	Ansys ModelCenter Premium	•	•	•	•	•	•
	Ansys MC MBSE Connectors	•	•	•	•	•	•
High Performance Computing	Built-in HPC	•	•	•	•	•	•
	Ansys HPC	•	•	•	•	•	•
	Ability to extend built-in HPC	•	•	•	•	•	•
Process Integration & Design Optimization	Ansys optiSLang Enterprise	•	•	•	•	•	•
	Ansys optiSLang AI+	•	•	•	•	•	•

/ ACADEMIC SEMICONDUCTOR PRODUCTS

		Semiconductor		RedHawk-SC		PowerArtist	
Physics	Product	Teaching	Research	Teaching	Research	Teaching	Research
Semiconductor	Ansys RedHawk-SC-Token	•	•	•	•		
	Ansys Seascapes Worker Group 256 Pack	•	•	•	•	•	•
	Ansys RedHawk Signal EM	•	•	•	•		
	Ansys RedHawk CTA			•	•		
	Ansys RedHawk Advanced Low Power	•	•	•	•		
	Ansys RedHawk-ATP	•	•				
	Ansys RedHawk-SC Electrothermal	•	•				
	Ansys RedHawk-SC Security	•	•				
	Ansys Pathfinder Static-SC	•	•	•	•		
	Ansys Pathfinder SOC	•	•				
	Ansys PowerArtist-EX	•	•			•	•
	Ansys PowerArtist-SC-Token	•	•			•	•
	Ansys Totem-MMX	•	•				
	Ansys ParagonX Ultimate	•	•				
	Ansys PowerX Pro	•	•				
	Ansys RaptorX Advanced	•	•				
	Ansys Raptor X Advanced HPM	•	•				
MBSE (Model-Based Systems Engineering)	Ansys Medini Analyze Enterprise	•	•	•	•	•	•
	Ansys ModelCenter Premium	•	•	•	•	•	•
	Ansys MC MBSE Connectors	•	•	•	•	•	•
Process Integration & Design Optimization	Ansys optiSLang Enterprise	•	•	•	•	•	•
	Ansys optiSLang AI+	•	•	•	•	•	•

/ ACADEMIC OPTICS PRODUCTS

		Optics	
Physics	Product	Teaching	Research
Optics	Ansys Zemax OpticStudio Enterprise	•	•
	Ansys Speos for Creo Parametric	•	•
	Ansys Speos Enterprise	•	•
High Performance Computing	Built-in HPC	•	•
	Ansys Optis HPC	•	•

/ ACADEMIC SYSTEMS PRODUCTS

		SCADE	
Physics	Product	Teaching	Research
MBSE (Model-Based Systems Engineering)	Ansys Medini Analyze Enterprise	•	•
	Ansys ModelCenter Premium	•	•
	Ansys MC MBSE Connectors	•	•
	Ansys SCADE One	•	•
	Ansys SCADE Suite Advanced Modeler Seat	•	•
	Ansys SCADE Suite KCG Code Generator – C and ADA	•	•
	Ansys SCADE Display Advanced Modeler Seat	•	•
	Ansys SCADE Display KCG	•	•
	Ansys SCADE Architect Advanced Modeler Seat	•	•
	Ansys SCADE LifeCycle Reporter	•	•
	Ansys SCADE Test Environment for Host	•	•
	Ansys SCADE Test Model Coverage	•	•
Process Integration & Design Optimization	Ansys optiSLang Enterprise	•	•
	Ansys optiSLang AI+	•	•

/ ACADEMIC TOOLBOX

Physics	Product	Toolbox
MCAD Geometry & EDA Interfaces	Ansys Geometry Interfaces for Parasolid & SAT	•
	Ansys Geometry Interfaces for Solidwork, SolidEdge, Autodesk, NX	•
	Ansys Geometry Interfaces for CATIA V5 & V6 Reader	•
	Ansys Geometry Interfaces for Creo Parametric & Elements Direct Modeling	•
	Geometry Interface for JT	•
	Ansys Geometry Interfaces for Parasolid & SAT	•
	Ansys Geometry Interfaces for Solidwork, SolidEdge, Autodesk, NX	•

/ ACADEMIC MULTIPHYSICS CAMPUS SOLUTION

Physics	Product	Multiphysics Campus Solution (Teaching & Research)
Structures, Fluids, Thermal & Discovery Solver Products	Ansys Mechanical Enterprise	•
	Ansys CFD Enterprise	•
	Ansys CFD AI+	•
	Ansys Enight Enterprise	•
	Ansys Blademodeler	•
	Ansys Rocky	•
	Ansys LS-DYNA	•
	Ansys Forming	•
	Ansys Additive Suite	•
	Ansys Additive Print	•
	Ansys Discovery Modeling	•
	Ansys Discovery Simulation	•
	Ansys Motion Enterprise	•
	Ansys Sound Pro	•
	Electronics & Semiconductors	Ansys Electronics Enterprise
Ansys Electronics Premium HFSS		•
Ansys Electronics Premium IcePak		•
Ansys Electronics Premium SIWave		•
Ansys Electronics Premium Q3D Extractor		•
Ansys Electronics Premium Maxwell		•
Ansys SynMatrix Filter		•
Ansys EMC Plus		•
Ansys Charge Plus		•
Ansys Motor-CAD Enterprise		•
Ansys NuHertz FilterSolutions		•
Ansys RedHawk-SC-Token		•
Ansys Seascape Worker Group 256 Pack		•
Ansys RedHawk Signal EM		•
Ansys RedHawk CTA		•
Ansys RedHawk Advanced Low Power		•
Ansys RedHawk-ATP		•
Ansys RedHawk-SC Electrothermal		•
Ansys RedHawk-SC Security		•
Ansys Pathfinder Static-SC		•
Ansys Pathfinder SOC		•
Ansys PowerArtist-EX		•
Ansys PowerArtist-SC-Token		•
Ansys Totem-MMX		•
Ansys ParagonX Ultimate		•
Ansys PowerX Pro	•	
Ansys RaptorX Advanced	•	
Ansys Raptor X Advanced HPM	•	

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/ ACADEMIC MULTIPHYSICS CAMPUS SOLUTION (CONT.)

Physics	Product	Multiphysics Campus Solution (Teaching & Research)
Optics & Photonics	Ansys Zemax OpticStudio Enterprise	•
	Ansys Speos for Creo Parametric	•
	Ansys SPEOS Enterprise	•
MBSE (Model-Based Systems Engineering)	Ansys Medini Analyze Enterprise	•
	Ansys ModelCenter Premium	•
	Ansys MC MBSE Connectors	•
	Ansys SCADE One	•
	Ansys SCADE Suite Advanced Modeler Seat	•
	Ansys SCADE Suite KCG Code Generator – C and ADA	•
	Ansys SCADE Display Advanced Modeler Seat	•
	Ansys SCADE Display KCG	•
	Ansys SCADE Architect Advanced Modeler Seat	•
	Ansys SCADE LifeCycle Reporter	•
	Ansys SCADE Test Environment for Host	•
	Ansys SCADE Test Model Coverage	•
Materials	Ansys Materials Data For Simulation	•
MCAD Geometry & EDA Interfaces	Ansys Geometry Interfaces	•
	Ansys Geometry Interfaces	•
	Ansys Geometry Interfaces	•
	Ansys Geometry Interfaces	•
	Geometry Interface for JT	•
High Performance Computing	Built-in HPC	•
	Ansys HPC	•
	Ansys Rocky HPC	•
	Ansys LS-DYNA HPC	•
	Ansys Optis HPC	•
	Ability to Extend built-in HPC	•
Other	Ansys optiSLang Enterprise	•
	Ansys optiSLang AI+	•

/ ACADEMIC GRANTA (MATERIALS) PRODUCTS

		Research									Teaching	
Physics	Product	Selector	Advanced Materials								EduPack Intro.	EduPack
			Aero	Metals	Polymers	Composites	Additive Manufacturing	Medical	Eco	ESDU		
Materials	Ansys GRANTA Selector	•										
	Ansys GRANTA Advanced Materials - Aero		•									
	Ansys GRANTA Advanced Materials – Metals			•								
	Ansys GRANTA Advanced Materials – Polymers				•							
	Ansys GRANTA Advanced Materials – Composites					•						
	Ansys GRANTA Advanced Materials – Additive Manufacturing						•					
	Ansys GRANTA Advanced Materials – Medical							•				
	Ansys GRANTA Advanced Materials – Eco								•			
	Ansys GRANTA Advanced Materials – EDSU									•		
	Ansys GRANTA EduPack Introductory										•	•
	Ansys GRANTA EduPack											•

/ ACADEMIC PHOTONICS PRODUCTS

		Lumerical FDTD	Lumerical Accelerator	Lumerical	
Physics	Product	Research	Research	Teaching	Research
Photonics	Ansys Lumerical FDTD	•	•	•	•
	Ansys Lumerical MODE			•	•
	Ansys Lumerical Multiphysics			•	•
	Ansys Lumerical INTERCONNECT			•	•
	Ansys Lumerical CML Compiler			•	•
High Performance Computing	Built-in HPC	•	•	•	•
Other	Ansys optiSLang Enterprise	•		•	•
	Ansys optiSLang AI+	•		•	•

/ ACADEMIC MISSIONS PRODUCTS

		STK	
Physics	Product	Teaching	Research
Missions	Ansys STK Enterprise	•	•
MBSE (Model-Based Systems Engineering)	Ansys ModelCenter Premium	•	•
	Ansys MC MBSE Connectors	•	•