Ansys Academic Product Reference Table

Structures, Fluids & Discovery Solver Products

Product	Ansys Mechanical Enterprise (Autodyn, Fatigue Module, Asas, Aqwa, & more)	Ansys CFD Enterprise (CFX, Fluent, FENSAP-ICE, Forte, Polyflow, Chemkin, & more)	Ansys Ensight Enterprise	Ansys Blademodeler	Ansys Rocky	Ansys LS-DYNA	Ansys Forming	Ansys Additive Suite	Ansys Additive Print	Ansys Discovery Modeling	Ansys Discovery Simulation	Ansys Motion (Motion, Drivetrain, Links, Easy Flex, STEP Translator, Parasolid Translator, Catia	Ansys Sound Pro	Ansys Sherlock
ACADEMIC STRUCTURES & FLUIDS PRODUCTS														
ACADEMIC ASSOCIATE														
Ansys Academic Associate Mechanical and CFD	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ansys Academic Associate CFD		•	•	•						•	•			
Ansys Academic Associate HPC (Including HPC Workgroup)	•	•												
ACADEMIC RESEARCH														
Ansys Academic Research Mechanical and CFD	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ansys Academic Research Mechanical	•					•	•	•	•	•	•	•	•	
Ansys Academic Research CFD		•	•	•						•	•			
Ansys Academic Research HPC (Including HPC Workgroup)	•	•												
Ansys Academic Research LS-DYNA HPC						•								
ACADEMIC TEACHING														
Ansys Academic Teaching Mechanical and CFD	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ansys Academic Teaching Mechanical	•					•	•	•	•	•	•	•	•	
Ansys Academic Teaching CFD		•	•	•						•	•			
ACADEMIC FREE STUDENT PRODUCTS														
Ansys Student	•	•	•	•						•	•			
Ansys SCADE Student														
Ansys LS-DYNA Student						•								
Ansys Electronics Desktop Student														
ACADEMIC TOOLBOX														
Ansys Academic Preprocessing Tools (renamed from Meshing Tools)														
ACADEMIC ELECTRONICS & SYSTEMS PRODUCTS														
ACADEMIC ASSOCIATE														
Ansys Academic Associate Electronics Suite										•	•			•
Ansys Academic Associate HF										•	•			
Ansys Academic Associate EM										•	•			
Ansys Academic Associate Redhawk														
Ansys Academic Associate Powerartist														
Ansys Academic Associate SCADE														
ACADEMIC RESEARCH														
Ansys Academic Research Electronics Suite										•	•			•
Ansys Academic Research HF										•	•			
Ansys Academic Research EM										•	•			
Ansys Academic Research Redhawk														
Ansys Academic Research Powerartist														
Ansys Academic Research SCADE														
ACADEMIC TEACHING														
Ansys Academic Teaching Electronics Suite										•	•			•
Ansys Academic Teaching HF										•	•			
Ansys Academic Teaching EM										•	•			
Ansys Academic Teaching Redhawk														
Ansys Academic Teaching Powerartist														
Ansys Academic Teaching SCADE														
ACADEMIC OPTICS PRODUCTS														
ACADEMIC RESEARCH														
Ansys Academic Research Optics														
ACADEMIC TEACHING														
Ansys Academic Teaching Optics														
ACADEMIC MULTIPHYSICS CAMPUS SOLUTION PRODUCTS														
Ansys Academic Multiphysics Campus Solution	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ACADEMIC LUMERICAL (PHOTONICS) PRODUCTS														
ACADEMIC RESEARCH														
Ansys Academic Lumerical FDTD Research														
Ansys Academic Lumerical Accelerator Research														
Ansys Academic Lumerical Research														
ACADEMIC TEACHING														
Ansys Academic Lumerical Teaching														
ACADEMIC MISSIONS PRODUCTS (not available in all regions)														
ACADEMIC RESEARCH														
Ansys Academic STK Research														
ACADEMIC TEACHING														
Ansys Academic STK Teaching														
ACADEMIC GRANTA (MATERIALS) PRODUCTS														
ACADEMIC RESEARCH														
Ansys GRANTA Research Selector														
Ansys GRANTA Research Advanced Materials - Aero														
Ansys GRANTA Research Advanced Materials - Metals														
Ansys GRANTA Research Advanced Materials - Polymers														
Ansys GRANTA Research Advanced Materials - Composites														
Ansys GRANTA Research Advanced Materials - Additive Manufacturing														
Ansys GRANTA Research Advanced Materails - Medical														
Ansys GRANTA Research Advanced Materials - Eco														
Ansys GRANTA Research Advanced Materials - ESDU														
ACADEMIC TEACHING														
Ansys GRANTA EduPack Introductory														
Ansys GRANTA EduPack														

Electronics & Systems Solver Products

Product	Ansys Electronics Enterprise (Electronics Desktop, HFSS, Maxwell, & more)	Ansys Electronics Premium HFSS	Ansys Electronics Premium Icepak	Ansys Electronics Premium SIwave	Ansys Electronics Premium Q3D Extractor	Ansys Electronics Premium Maxwell	Ansys EMA3D Cable	Ansys EMA3D Charge	Ansys Motor-CAD Enterprise	Ansys RedHawk 3DX	Ansys PowerArtist XP	Ansys RaptorX	Ansys RaptorX HPM	Ansys NuHertz FilterSolutions	Ansys Medini Analyze Enterprise	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
ACADEMIC STRUCTURES & FLUIDS PRODUCTS																							
ACADEMIC ASSOCIATE																							
Ansys Academic Associate Mechanical and CFD			•																				
Ansys Academic Associate CFD			•																				
Ansys Academic Associate HPC (Including HPC Workgroup)																							
ACADEMIC RESEARCH																							
Ansys Academic Research Mechanical and CFD			•																				
Ansys Academic Research Mechanical																							
Ansys Academic Research CFD			•																				
Ansys Academic Research HPC (Including HPC Workgroup)																							
Ansys Academic Research LS-DYNA HPC																							
ACADEMIC TEACHING																							
Ansys Academic Teaching Mechanical and CFD			•																				
Ansys Academic Teaching Mechanical																							
Ansys Academic Teaching CFD			•																				
ACADEMIC FREE STUDENT PRODUCTS																							
Ansys Student																							
Ansys SCADE Student																•	•						
Ansys LS-DYNA Student																							
Ansys Electronics Desktop Student		•	•		•	•																	
ACADEMIC TOOLBOX																							
Ansys Academic Preprocessing Tools (renamed from Meshing Tools)																							
ACADEMIC ELECTRONICS & SYSTEMS PRODUCTS																							
ACADEMIC ASSOCIATE																							
Ansys Academic Associate Electronics Suite	•						•	•	•	•	•			•	•								
Ansys Academic Associate HF		•	•	•	•		•	•						•	•								
Ansys Academic Associate EM			•		•	•			•					•	•								
Ansys Academic Associate Redhawk										•		•	•		•								
Ansys Academic Associate Powerartist											•				•								
Ansys Academic Associate SCADE															•	•	•	•	•	•	•	•	•
ACADEMIC RESEARCH																							
Ansys Academic Research Electronics Suite	•						•	•	•	•	•			•	•								
Ansys Academic Research HF		•	•	•	•		•	•						•	•								
Ansys Academic Research EM			•		•	•			•					•	•								
Ansys Academic Research Redhawk										•		•	•		•								
Ansys Academic Research Powerartist											•				•								
Ansys Academic Research SCADE															•	•	•	•	•	•	•	•	•
ACADEMIC TEACHING																							
Ansys Academic Teaching Electronics Suite	•						•	•	•		•			•	•								
Ansys Academic Teaching HF		•	•	•	•		•	•						•	•								
Ansys Academic Teaching EM			•		•	•			•					•	•								
Ansys Academic Teaching Redhawk												•	•		•								
Ansys Academic Teaching Powerartist											•				•								
Ansys Academic Teaching SCADE															•	•	•	•	•	•	•	•	•
ACADEMIC OPTICS PRODUCTS																							
ACADEMIC RESEARCH																							
Ansys Academic Research Optics																							
ACADEMIC TEACHING																							
Ansys Academic Teaching Optics																							
ACADEMIC MULTIPHYSICS CAMPUS SOLUTION PRODUCTS																							
Ansys Academic Multiphysics Campus Solution	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•								
ACADEMIC LUMERICAL (PHOTONICS) PRODUCTS																							
ACADEMIC RESEARCH																							
Ansys Academic Lumerical FDTD Research																							
Ansys Academic Lumerical Accelerator Research																							
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Ansys Academic STK Research																							
ACADEMIC TEACHING																							
Ansys Academic STK Teaching																							
ACADEMIC GRANTA (MATERIALS) PRODUCTS																							
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Ansys GRANTA Research Advanced Materials - Aero																							
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Ansys GRANTA Research Advanced Materials - Composites																							
Ansys GRANTA Research Advanced Materials - Additive Manufacturing																							
Ansys GRANTA Research Advanced Materails - Medical																							
Ansys GRANTA Research Advanced Materials - Eco																							
Ansys GRANTA Research Advanced Materials - ESDU																							
ACADEMIC TEACHING																							
Ansys GRANTA EduPack Introductory																							
Ansys GRANTA EduPack																							

Optics & Photonics Solver Products / Missions / Materials Products

Product	Ansys Lumercial FDTD	Ansys Lumerical MODE	Ansys Lumerical Multiphysics	Ansys Lumerical INTERCONNECT	Ansys Lumerical CML Compiler	Ansys Zemax OpticStudio Enterprise & Ansys Zemax OpticsBuilder	Ansys SPEOS for Creo Parametric (Enterprise, Optical Design Optimizer, Optical Sensor Test, Far Infrared Ext)	Ansys SPEOS (Enterprise, Far Infrared Ext, HUD Design & Analysis, Optical Part Design, Optical Sensor Test)	Ansys STK Enterprise	Ansys ODTK	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 - ESDU	Ansys Granta Materials Data for Simulation	Ansys GRANTA EduPack Introductory	Ansys GRANTA EduPack
ACADEMIC STRUCTURES & FLUIDS PRODUCTS																						
ACADEMIC ASSOCIATE																						
Ansys Academic Associate Mechanical and CFD																				•		
Ansys Academic Associate CFD																				•		
Ansys Academic Associate HPC (Including HPC Workgroup)																						
ACADEMIC RESEARCH																						
Ansys Academic Research Mechanical and CFD																				•		
Ansys Academic Research Mechanical																				•		
Ansys Academic Research CFD																				•		
Ansys Academic Research HPC (Including HPC Workgroup)																						
Ansys Academic Research LS-DYNA HPC																						
ACADEMIC TEACHING																						
Ansys Academic Teaching Mechanical and CFD																				•		
Ansys Academic Teaching Mechanical																				•		
Ansys Academic Teaching CFD																				•		
ACADEMIC FREE STUDENT PRODUCTS																						
Ansys Student								•														
Ansys SCADE Student																						
Ansys LS-DYNA Student																						
Ansys Electronics Desktop Student																						
ACADEMIC TOOLBOX																						
Ansys Academic Preprocessing Tools (renamed from Meshing Tools)																						
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Ansys Academic Associate Redhawk																						
Ansys Academic Associate Powerartist																						
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ACADEMIC MULTIPHYSICS CAMPUS SOLUTION PRODUCTS																						
Ansys Academic Multiphysics Campus Solution						•	•	•												•		
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Ansys Academic Lumerical FDTD Research	•																					
Ansys Academic Lumerical Accelerator Research	•																					
Ansys Academic Lumerical Research	•	•	•	•	•																	
ACADEMIC TEACHING																						
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ACADEMIC MISSIONS PRODUCTS (not available in all regions)																						
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Ansys Academic STK Research									•	•												
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Ansys GRANTA Research Advanced Materials - Metals													•									
Ansys GRANTA Research Advanced Materials - Polymers														•								
Ansys GRANTA Research Advanced Materials - Composites															•							
Ansys GRANTA Research Advanced Materials - Additive Manufacturing																•						
Ansys GRANTA Research Advanced Materails - Medical																	•					
Ansys GRANTA Research Advanced Materials - Eco																		•				
Ansys GRANTA Research Advanced Materials - ESDU																			•			
ACADEMIC TEACHING																						
Ansys GRANTA EduPack Introductory																					•	
Ansys GRANTA EduPack																						•

Solver Numerical Limits / MCAD Geometry & EDA Interfaces / High Performance Computing / Other

Product	128K nodes/element - All FEA	64K nodes/element - Low Frequency Electromagnetics	512K nodes/element - Low Frequency Electromagnetics	512K nodes/element - High Frequency (Full Wave) Electromagnetics	64K nodes/element - High Frequency (Full Wave) Electromagnetics	512K nodes/element - All CFD	Ansys Geometry Interfaces for Parasolid & SAT	Ansys Geometry Interfaces for Solidwork, SolidEdge, Autodesk, NX	Ansys Geometry Interface for CATIA V5 & V6 Reader	Ansys Geometry Interface for Creo Parametric & Elements/Direct Modeling	Geometry Interface for JT	Built-in HPC (4 cores per task where available)	Ansys HPC (Additional 12 floating cores per research task)	Ansys Rocky HPC (Additional 12 floating cores per research task)	Ansys LS-DYNA HPC (3 floating cores per teaching task and 15 floating cores per research task)	Ansys Optis HPC (Additional 12 floating cores per task)	Ability to extend built-in HPC (at extra cost)	Ansys optiSLang Enterprise	Ansys ModelCenter Preimum	Ansys MC MBSE Connectors (Windchill, Genesys, and Rhapsody)	Node locked license (tied to installation machine)	Floating LAN Licenses (50 mile radius standard, upgradeable to Country Wide)	Floating LAN Licenses (Country Wide standard)
ACADEMIC STRUCTURES & FLUIDS PRODUCTS																							
ACADEMIC ASSOCIATE																							
Ansys Academic Associate Mechanical and CFD							•	•	•	•	•	•	•	•	•		•	•				•	
Ansys Academic Associate CFD							•	•	•	•	•	•	•				•	•				•	
Ansys Academic Associate HPC (Including HPC Workgroup)																						•	
ACADEMIC RESEARCH																							
Ansys Academic Research Mechanical and CFD							•	•	•	•	•	•	•	•	•		•	•				•	
Ansys Academic Research Mechanical							•	•	•	•	•	•	•		•		•	•				•	
Ansys Academic Research CFD							•	•	•	•	•	•	•				•	•				•	
Ansys Academic Research HPC (Including HPC Workgroup)																						•	
Ansys Academic Research LS-DYNA HPC																						•	
ACADEMIC TEACHING																							
Ansys Academic Teaching Mechanical and CFD							•	•	•	•	•	•			•			•				•	
Ansys Academic Teaching Mechanical							•	•	•	•	•	•			•			•				•	
Ansys Academic Teaching CFD							•	•	•	•	•	•						•				•	
ACADEMIC FREE STUDENT PRODUCTS																							
Ansys Student	•	•		•		•						•									•		
Ansys SCADE Student																					•		
Ansys LS-DYNA Student	•											•									•		
Ansys Electronics Desktop Student		•			•	•						•									•		
ACADEMIC TOOLBOX																							
Ansys Academic Preprocessing Tools (renamed from Meshing Tools)							•	•	•	•	•											•	
ACADEMIC ELECTRONICS & SYSTEMS PRODUCTS																							
ACADEMIC ASSOCIATE																							
Ansys Academic Associate Electronics Suite												•	•				•	•	•	•		•	
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Ansys Academic Associate Powerartist																		•	•	•		•	
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ACADEMIC RESEARCH																							
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ACADEMIC OPTICS PRODUCTS																							
ACADEMIC RESEARCH																							
Ansys Academic Research Optics												•				•						•	
ACADEMIC TEACHING																							
Ansys Academic Teaching Optics												•				•						•	
ACADEMIC MULTIPHYSICS CAMPUS SOLUTION PRODUCTS																							
Ansys Academic Multiphysics Campus Solution							•	•	•	•	•	•	•	•	•	•	•	•	•	•			•
ACADEMIC LUMERICAL (PHOTONICS) PRODUCTS																							
ACADEMIC RESEARCH																							
Ansys Academic Lumerical FDTD Research												•						•				•	
Ansys Academic Lumerical Accelerator Research												•						•				•	
Ansys Academic Lumerical Research												•						•				•	
ACADEMIC TEACHING																							
Ansys Academic Lumerical Teaching												•						•				•	
ACADEMIC MISSIONS PRODUCTS (not available in all regions)																							
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Ansys Academic STK Research																			•	•		•	
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Ansys GRANTA Research Advanced Materials - Additive Manufacturing																							
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ACADEMIC TEACHING																							
Ansys GRANTA EduPack Introductory																							
Ansys GRANTA EduPack																							

NOTES:

As of 2021 R1, license feature increments for academic and commercial are the same, and all Ansys Academic products use the Ansys License Manager. Our Academic Product Bundles can include many products, thus it is not practical to show all the features in this table. Please use the Ansys Learning Forum (www.ansys.com/forum) or contact your Ansys Academic Account Manager/Technical Support for questions on specific features. This reference guide now highlights the commercial products included in each Academic Product bundle and when universitites access the license all commercial features are included.

Table version: 2023 R1 Version Date: 4/10/2023
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