Schrödinger

Academic Site License

Elevate your research and teaching with industry-leading molecular modeling software

As science becomes increasingly digital, incorporating computational technologies into academic research and course curricula is critical. Schrödinger's Academic Site License enables scientists and students to access cutting-edge physics-based molecular modeling and machine learning solutions for diverse research and teaching applications. An Academic Site License provides higher throughput to perform larger scale computations across departments, as well as increases accessibility and usability of Schrödinger software within an entire institution or school system.

Access to all of Schrödinger's Core Suites and PyMOL — Small Molecule Drug Discovery, Biologics, and Materials Science

Deploy software across science and engineering departments within your university for teaching and academic research

Enable your students to solve the chemistry challenges of tomorrow with industry-leading computational tools

Enhance your courses with ease by incorporating Schrödinger-prepared tutorials and curricula

Digital chemistry solutions for
life science and materials science

The Schrödinger Academic Site License is a scalable solution for academic institutions to provide access to large-scale license sets that can be used for research and teaching across an entire university system.

Academic Departments
Chemistry, Physics, Biology

- Accelerate molecular design and evaluate chemical stability of molecules
- Understand reaction mechanisms
- Use theory to enhance product yield and output
- Simulate IR, Raman, UV-Vis, and NMR spectroscopy

Health Sciences & Medical School

- Perform structure prediction, protein-ligand docking, virtual screening, and more
- Computationally engineer antibodies, peptides, enzymes, antigens, and more
- Speed up pharmaceutical formulation development with diverse tools

School of Engineering

- Model materials for batteries, fuel cells, hydrogen storage, and more
- Simulate and analyze critical properties of component materials and interfaces
- Build machine learning models with automated cheminformatics tools
- Enumerate and explore vast chemical space using streamlined workflows

Power your research and teaching curriculum with Schrödinger software

	Bachelors in Chemistry	Core Courses Required for the Major											Disciplinary Electives in the Major
	Core and Elective Courses	General Chemistry			Organic Chemistry						Inorganic Chemistry		Biochemistry and Medicinal Chemistry
	Teaching With Schrödinger Lessons	Chemical Bonding	VSEPR Theory	HOMO-LUMO Energy Gap	SN2 Reactions	Nucleophiles & Electrophiles	HOMO-LUMO Energy Gap	Stereoisomers	IR Spectroscopy	Diels-Alder Reactions	Organometallic Structures	Aminolysis of TiCl4	Protein-Ligand Docking	Structure-Based Virtual Screening
Learning Standards														
ACS Guidelines		Section 5.2	Section 5.2	Electronic, steric, and orbital interactions	Substitution Mechanisms	Properties of Molecules	Electronic, steric, and orbital interactions	Section 5.2	Deducing Structures through spectroscopy and computational data	Electronic, steric, and orbital interactions	18 Electron Rule	Transition elements & coordination chemistry	Section 5.1	Section 5.1
ETS Chemistry GRE		Section 2A	Section 2C	Section 3F	Section 3C	Section 3A	Section 3F	Section 3A	Section 3A	Section 3C	Section 2H	Section 2H	Section 3F	Section 3F
AAMC MCAT		Section 5B	Section 5B	Section 4E	Section 5D	Section 5B	Section 4E	Section 5B	Section 4D				Section 5D	Section 5D
Computational Methods														
Geometry Optimization		✓	✓	✓	✓	✓	✓	✓	✓	✓				
Surfaces		✓				✓		✓						
Measurements		✓	✓		✓					✓		✓	✓	✓
Orbitals				✓			✓			✓				
Spectroscopy									✓					
Vibrations					✓				✓	✓		✓		
Transition States					✓					✓		✓		
Energy Diagrams					✓					✓		✓		
Docking													✓	✓
Virtual Screening													✓	✓
Builders											✓	✓		

Speak with an expert to find the right solution for your institution

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