

## STAAD®



Choose the version of STAAD that is best for you		STAAD.Pro®	STAAD.Pro Advanced	Structural WorkSuite™
Standard analysis and design	Analyze and design structures of all types, including integrated concrete and steel	●	●	●
	Design loads and load combinations including automatic wind and seismic requirements	●	●	●
	Analysis: FEM, linear static elastic, P-Delta, dynamic, AISC direct analysis	●	●	●
	Design basic foundation types including spread footings	●	●	●
	Design basic structural steel connections	●	●	●
	Produce automated steel drawings directly from the STAAD model	●	●	●
	Design basic reinforced concrete elements	●	●	●
Modeling	Section libraries tailored for different industries	●	●	●
	Physical modeling for concrete and steel BIM workflows	●	●	●
	Calculate section properties and retrieve stress values with Shape Editor	●	●	●
	Calculate section properties and retrieve stress values with Section Wizard	●	●	●
	Create models quickly using the STAAD Structure Wizard	●	●	●
Interoperability	Interoperable with OpenBuildings® Designer, AutoPIPE®, Revit, and more	●	●	●
	Use STAAD data to create advanced analysis solutions with ADINA®	●	●	●
	Create macros using the OpenSTAAD™ API to integrate with Excel or in-house programs	●	●	●
Advanced analysis	Linear iterative buckling analysis	●	●	●
	Geometric nonlinearity and cable analysis		●	●
	Eigen buckling analysis with buckling mode evaluation		●	●
	Steady-state dynamic performance for vibration design		●	●
	Linear or nonlinear time-history analysis (with ADINA)			●
	General pushover analysis (with ADINA)			●
	Material and advanced geometric nonlinearity (with ADINA)			●
	Nonlinear buckling analysis (with ADINA)			●
Integrated design	Advanced concrete design, drawing, and documentation		●	●
	Foundation design including settlement analysis using STAAD Foundation Advanced*			●
	Automated connection design using RAM® Connection*			●
RAM's specialized analysis, design, and documentation	Utilize building-specific applications for structural steel and reinforced concrete structures			●
	Model and design various buildings using all common materials			●
	Design and detail reinforced and post-tensioned floor slabs*			●
	Structural steel connection design including anchorage into concrete			●

\* Available to launch directly from STAAD.Pro Advanced, included in Structural WorkSuite.