



CSWP/CSWE (Certified SolidWorks Professional/Expert) Prep Course (10 Days)

SOLIDWORKS Certification

Why Get Certified?	Reasons to get the CSWA or CSWP
What is the CSWP?	Describes what is the CSWP
Preparing for the Exam	Recommended Preparation for the exam
CSWE and Other Certifications	Describes other certifications
SOLIDWORKS Versions	Describes which versions are needed to take the certification tests
Purchasing and Setting up the Exam	Describes how the test is purchased and taken.
Test Taking Strategy	Shows tips for taking the exam
Practice Exams	Shows how to access practice tests
Course Overview	Explains the methodology for the remainder of the course

CSWP Part Model

Problem Overview	Describes the exam question
Developing a Strategy	Explains how to develop a strategy for an exam question
Where to Begin	Explains how to start an exam question
The Cylinder and Cone	Explains how to model the cylinder and cone
The Rectangular Flange	Shows how to model the rectangular flange
The First Screw Lug	Shows how to model the first screw lug
The Screw Lug Pattern	Shows how to pattern the screw lug
The Base Plate	Shows how to model the base plate
The Rib Structure	Shows how to model the rib structure
The Foot Pads	Shows how to model the foot pads
The Top Boss	Shows how to model the top boss

The Tapped Holes	Explains how to model the tapped holes
Adding Fillets	Shows how to add fillets to the model
Answering the Question	Explains how to answer the question to the exam problem

Configurations & Part Modification

Introduction to Configurations	Introduction to the concepts covered on the Configurations portion of the CSWP
Configurations Question	Shows possible configuration question types
Adding and Modifying Configurations	A sample configurations exercise
Design Table Question	Shows a basic example of a possible design table question type
Part Modification Question	Shows a sample part modification problem
Part Modification Exercise	A sample part modification exercise

CSWP Assembly Model

Problem Overview	CSWP Assembly model overview
Modeling the First Component	Explains the modeling of the first component
Starting the Assembly	Explains how to begin the assembly
Making Changes to the Model	Explains how to make changes to the assembly
In-context Considerations	Explains how to create in-context considerations for the assembly
Modeling the Slider	Explains how to model the slider
Mating the First Slider	Explains how to mate the first slider
Slider In-context Relations	Explains how to create in-context relations for the slider
Adding the Second Slider	Explains how to add the second slider
Making a Change to the Assembly	Explains how to make changes to the assembly during the exam
Modeling the Rotor Component	Explains how to model the rotor component
Rotor In-context Relation 1	Shows how to create in-context relations for the rotor

Rotor In-context Relations 2	Show how to create in-context relations for the rotor
Rotor In-context Relations 3	Show how to create in-context relations for the rotor
Testing In-context Relations	Explains how to test the in-context relations of the assembly
Further Testing of In-context Relations	Explains how to test the in-context relations of the assembly
Simulate Motion	Explains how to create motion in the assembly
Other Possible Assembly Question Types	Shows other possible types of Assembly questions
Final Comments	Final Comments on the exam question

CSWE Sample Question Types

CSWE Question Type Overview	Introduces the CSWE section of the course
Direct Editing Example	Shows an example of a possible question type regarding imported geometry
Advanced Feature Example	Shows a possible question regarding less common features
Advanced Reference Geometry	Shows a possible question using advanced reference geometry
Multibody Techniques Example	Shows a possible question type working with multiple bodies

After the Exam

How to View Your Exam Results	Shows how to access your exam results via the SOLIDWORKS certification center
Accessing your Certificates and Logos	Shows how to download and print your certificates
Getting Listed in The Online Directory	Explains how to get your name listed in the online directory
