

# Course : SolidWorks - The basics

Official Dassault Systèmes course, SolidWorks exam preparation

*Practical course - 5d - 35h00 - Ref. SOW*

*Price : 2420 € E.T.*

★★★★★ 5 / 5

With this training course, you'll learn the basics of using SolidWorks 3D CAD design software, which is the reference software for designing, managing, testing and distributing all your CAD models.



## Teaching objectives

At the end of the training, the participant will be able to:

Designing mechanical parts with SolidWorks

## Intended audience

Design office technicians, draughtsmen, engineers.

## Prerequisites

Master the Windows environment.

## Practical details

### Teaching methods

Alternating theory and practice, practical work and projects.

## Course schedule

- 1 Présenter l'interface SolidWorks
- 2 Viewing and opening models
- 3 Handling and modifying models
- 4 Create reference geometries (planes, points, axes, etc.)

## PARTICIPANTS

Design office technicians, draughtsmen, engineers.

## PREREQUISITES

Master the Windows environment.

## TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

- 5 2D sketching, planes and geometry: points, lines, circles, arcs, rectangles, etc.
- 6 Enhance sketch contours with parameters and relationships
- 7 Dimension geometry and implement design rules
- 8 Solid functions: extrusion, bossing, revolution, drilling, undercutting
- 9 Fonctions de transformation : congé, chanfrein, répétition, symétrie
- 10 Automatic dimensioning, displacement and sizing
- 11 Configurations, terminology and part families
- 12 Bottom-up assembly, adding and positioning components
- 13 Degrees of freedom, SmartMates, hide components
- 14 Managing assemblies and sub-assemblies
- 15 Analyze assemblies, exploded parts, structural dynamics
- 16 Create a part in the context of a parameterized assembly
- 17 Integrating nomenclature
- 18 Layout plan
- 19 Inserting plan views
- 20 Managing different views
- 21 Dimensioning and dressing views

#### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

#### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

## Options

### Certification : 240 € HT

Les certifications SOLIDWORKS Associate sont : "ASSOCIATE - Mechanical Design", "ASSOCIATE - Sustainability", "ASSOCIATE - Simulation", "ASSOCIATE - Electrical Design", "ASSOCIATE - Additive Manufacturing" et "ASSOCIATE - Mechanical Design". Pour chaque certification, il faut passer un examen. L'option voucher correspond à un passage d'examen.

#### [Comment passer votre examen ?](#)

The certification option comes in the form of a voucher or invitation that will allow you to take the exam at the end of the training course.

## Dates and locations

### REMOTE CLASS

2026 : 23 Mar., 18 May, 12 Oct., 16 Nov.

### PARIS LA DÉFENSE

2026 : 23 Mar., 18 May, 12 Oct., 16 Nov.