

SOLIDWORKS

Essentials

COURSE INFO

[2 - 4 DAYS / 10 HOURS]

- Sketch entities - lines, rectangles, circles, arcs, ellipses, centerlines
- Sketch tools - offset, convert, trim
- Sketch relations
- Boss and cut features - extrudes, revolves, sweeps, lofts
- Fillets and chamfers
- Linear, circular, and fill patterns
- Dimensions
- Feature conditions – start and end
- Mass properties
- Materials
- Inserting components
- Standard mates - coincident, parallel, perpendicular, tangent, concentric, distance, angle
- Reference geometry – planes, axis, mate references
- Drawing views
- Annotations

+1 International exams
- additional in price:

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ABOUT

Angular is a TypeScript-based open-source web application framework led by the Angular Team at Google and by a community of individuals and corporations.

2x Internationally award-winning



PRICE: R13 900 / \$850 / €720 / £700

Full Payment before commencement (no payment plan)

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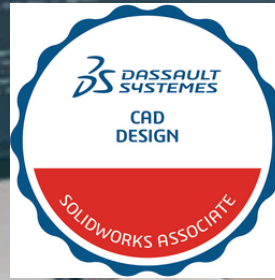
SOLIDWORKS CAD

Design Associate

COURSE INFO

[5 - 10 DAYS / 20 HOURS]

- Sketch entities - lines, rectangles, circles, arcs, ellipses, centerlines
- Sketch tools - offset, convert, trim
- Sketch relations
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- additional in price:

ABOUT

SolidWorks is a brand within Dassault Systèmes that develops and markets solid modeling computer-aided design, computer-aided engineering, 3D CAD design and collaboration, analysis, and product data management software.

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Prerequisite: Solidworks essential course

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SOLIDWORKS CAD

Design Expert

COURSE INFO

[5 - 10 DAYS / 20 HOURS]

- Lofts
- Sweeps
- In-context assembly changes
- Imported part modification
- Belts and chains
- Sketch blocks
- Multi-bodies
- In-context assembly design
- Sketch pictures
- Spring modeling
- Move/Copy bodies
- Split tool
- Assembly Mates
- 3D Sketch
- Advanced Weldments
- Sheet Metal Import and Modification
- Assembly Configurations
- Advanced Bill of Materials Functionality



+ - 1 International exams
- additional in price:

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Prerequisite: SOLIDWORKS CAD Design Associate

SOLIDWORKS CAD Design Professional

COURSE INFO
[2 MONTHS/40 HOURS]

- Creating a part from a drawing
- Using linked dimensions and equations to aid in modeling
- Using equations to relate dimensions
- Updating parameters and dimension sizes
- Mass property analysis
- Modifying geometry on initial part to create a more complex part
- Modifying parameters on the part at different stages while maintaining all other dimensions and design intent
- Creating configurations from other configurations
- Changing configurations
- Creation of configurations using a Design Table
- Mass properties
- Changing and/or rearranging features of an existing SOLIDWORKS part
- Creating an assembly
- Adding parts to an assembly
- Doing collision detection when moving a part in an assembly
- Interference detection
- Basic and advanced mates
- Inserting subassemblies
- Replacing a part with another part in an assembly
- Creating a coordinate system
- Using a coordinate system to perform mass properties analysis
- Standard SOLIDWORKS tools that may be covered in the exam include:
 - Sketch entities - lines, rectangles, circles, arcs, ellipses, centerlines
 - Sketch tools - offset, convert, trim
 - Sketch relations
 - Boss and cut features - extrudes, revolves, sweeps, lofts
 - Fillets and chamfers
 - Draft
 - Shell
 - Hole Wizard
 - Linear, circular, and fill patterns
 - Linked dimensions
 - Equations
 - Mirror
 - Dimensions
 - Feature conditions - start and end
 - Multi-body parts
 - Rib
 - Feature scope
 - Mass properties
 - Move/Delete face
 - Materials
 - Restraints
 - Inserting components - new and existing
 - Standard mates and advanced mates
 - Reference geometry - planes, axis, mate references
 - In-context features
 - Interference detection
 - Suppression states
 - Move/Rotate component
 - Assembly features
 - Collision detection in an assembly
 - External references
 - Design tables
 - Dimensions and model items



+1 International exams
- additional in price:

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PRICE: R32 700/ \$1950 / €1950/ £1800

Payment plan: [R10 900 per 20 hours]: 3 payments

Prerequisite: SOLIDWORKS CAD Design Expert

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