

Requirements

- Completed vocational training
- Educational voucher (Bildungsgutschein)

Duration

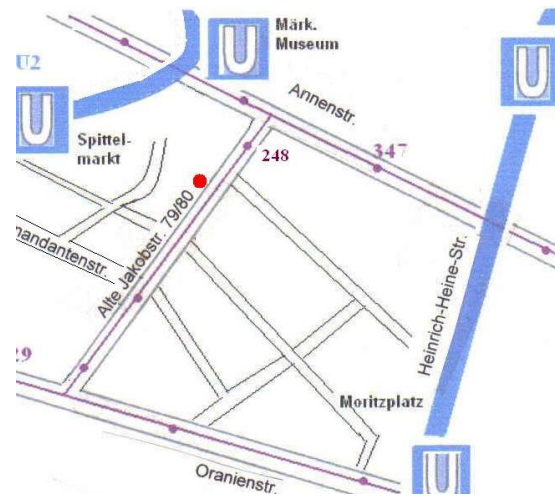
- 3 months

Graduation

- Internal certificate of the educational institution



Please contact us for a personal meeting



Regionales Kompetenzzentrum Berlin

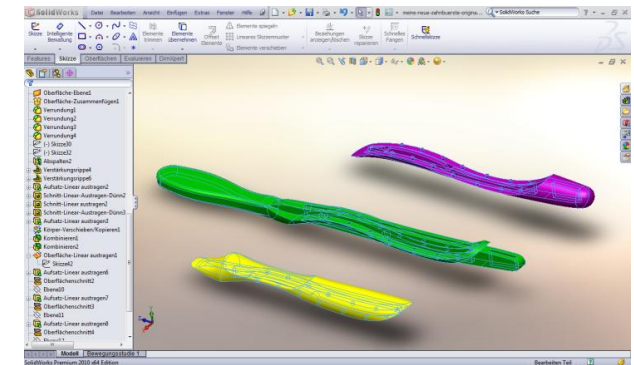
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CAD – course for smooth organic designs



Europäisches Bildungswerk
für Beruf und Gesellschaft
zertifiziert nach DIN EN ISO 9001:2008



Contents

Fundamentals of CAD (32h)

- Introduction into polygon course, Bezier-Splines, NURBS, surface types

Surface models (104h)

- Introduction into Rhinoceros software, extruding of NURBS-splines and surfaces, conversion of NURB-surfaces into polygon models, surface analysis, free-form Surfaces

Fundamentals of T-Splines (32h)

- Introduction into T-Splines, organic free-form surfaces with T-Splines

Fundamentals of M-CAD (48h)

- Introduction into M-CAD,
- Introduction into SolidWorks software,
- 2-D and 3-D-sketches, extruding of sketches

Design with M-CAD (184h)

- Parts, assemblies, generate drawings from models, surface and volume models, free-form models, manufacture-oriented design, cast models

CAD- data interchange (56h)

- Import, export and convert files, formatting and editing data, import models from T-Splines Plug-in for Rhino directly into SolidWorks

Structural mechanic analysis of CAD- designs (72h)

- Basics of Finite Element Analysis (FEA), introduction into FEA pre- and post-processing and practical exercises

