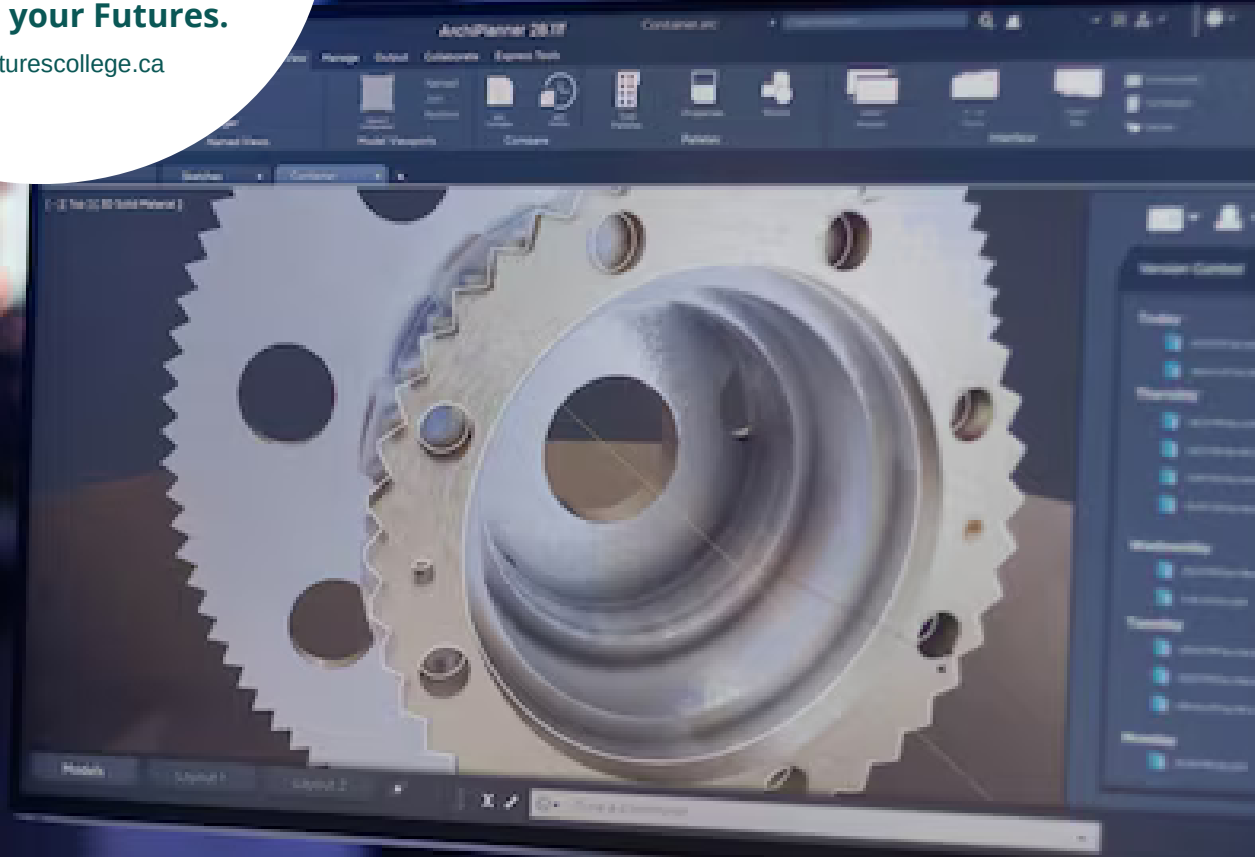




Here's to your Futures.

www.futurescollege.ca

MASTER SOLIDWORKS CAD CERTIFICATE COURSE



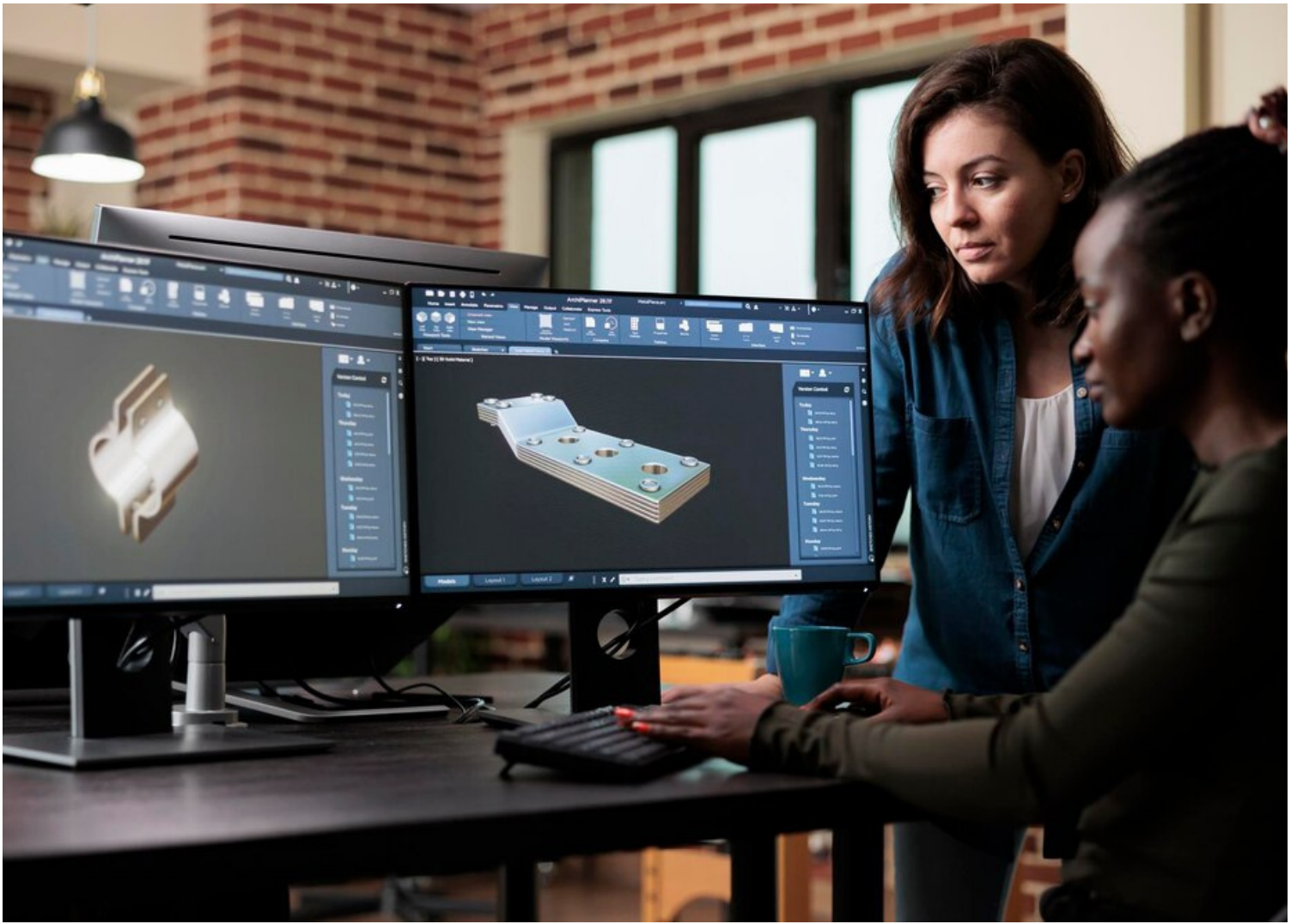
Program Length: 8–12 weeks

Mode of Learning: Online

Students: Domestic / International

Credential: Diploma

NOC



MASTER SOLIDWORKS CAD

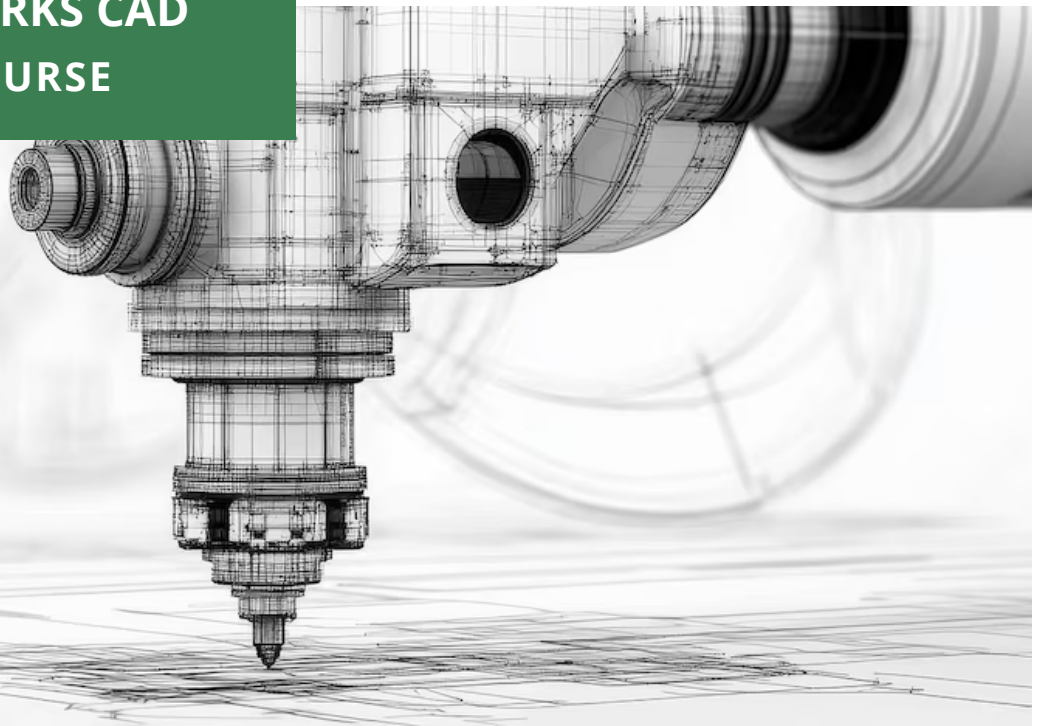
CERTIFICATE COURSE

Program Overview

The SolidWorks CAD program at Futures Canadian College is designed to equip students with practical skills in 3D computer-aided design using SolidWorks, a leading industry-standard software. This hands-on program covers foundational to intermediate modeling techniques, assembly creation, and the development of engineering drawings. Students will learn to bring design concepts to life while preparing for careers in mechanical design, product development, and engineering.

The course also enhances your SolidWorks skills by introducing advanced tools, complex part and assembly creation, and parametric modeling strategies. You'll apply real-world CAD techniques to solve design challenges with confidence and efficiency.

MASTER SOLIDWORKS CAD CERTIFICATE COURSE



Modules:

2D Drawing Enhancements

- Customs views & projections
- GD&T symbols and annotations
- Section, details, and auxiliary views
- Revision blocks and title templates

Real-World Design Examples

- Case studies or real life students projects
- Use of configurations and design tables
- Best practices in clean modeling

Intermediate Assembly Techniques

- Aligning and inserting components
- Advance mates (limit, width, path)
- Exploded views
- Interference and and clearance checks

What You'll Learn

- Master the SolidWorks interface and core design tools
- Sketch 2D profiles and create 3D parts with precision
- Use parametric design and feature-based modeling techniques
- Build and manage mechanical assemblies
- Generate detailed 2D engineering drawings and documentation
- Conduct basic motion and stress simulations
- Prepare for SolidWorks Certification (CSWA)



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Futures Canadian College of Business, Health, and Technology formerly Futures Academy of Health was founded in 2009 in Toronto, Ontario. Approved and accepted in November 2018 by the International Student Program, Futures Canadian College is now a Designated Learning Institution.

At FCC, we strive to provide the world-class education every student deserves. With well-crafted lesson plans, that are both informative and practical, we ensure that you learn all you need to know to jumpstart your career. Our co-op programs are relevant and supportive of your desire to land that dream job!

We are committed to providing you with a learning environment that is well-equipped to motivate you to pursue your studies and ultimately, achieve your long-term goals.