



# SOLIDWORKS Revolution and Cut Features

This course is part of [SOLIDWORKS 3D CAD for Education Specialization](#)



Instructor: [SOLIDWORKS](#)

1,539 already enrolled

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## 3 modules

Gain insight into a topic and learn the fundamentals.

5.0 ★

(22 reviews)

## Beginner level

Recommended experience ⓘ

9 hours to complete

## Flexible schedule

Learn at your own pace

## Skills you'll gain

Technical Design

SolidWorks (CAD)

Mechanical Design

Computer-Aided Design

3D Modeling

## Details to know



Shareable certificate

Add to your LinkedIn profile



Assessments

2 assignments



Taught in English

See how employees at top companies are mastering in-demand skills





## Build your subject-matter expertise

This course is part of the [SOLIDWORKS 3D CAD for Education Specialization](#). When you enroll in this course, you'll also be enrolled in this Specialization.

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

## There are 3 modules in this course

Welcome to SOLIDWORKS Revolution and Cut Features, the third course in the SOLIDWORKS 3D CAD for Education Specialization. To get the most out of this course, you should first complete the previous two courses in the series.

This course focuses on feature refinement and advanced geometry creation using cuts and revolved features.

Upon completion of this learning module, you will be able to:

- Create extruded cuts
- Apply fillets/chamfers
- Create revolve boss
- Apply revolve cut

This course is ideal for learners who want to explore new tools for creating axisymmetric objects and refining their designs.

Software Prerequisites:  
SOLIDWORKS Desktop EDU

Access powerful capabilities for Engineering with SOLIDWORKS Desktop at a low price, \$60 (excluding taxes), follow this link : <https://go.3ds.com/CSW1>

[Read less](#)




### Welome to SOLIDWORKS Revolution and Cut Features Course

Module 1 • 20 minutes to complete

[Module details](#) ^

In this module, you'll get an overview of the course structure and what to expect as you progress.

#### What's included

 1 video    1 reading    1 discussion prompt

Hide info about module content ^

 1 video

SOLIDWORKS Revolution and Cut Features Course Introduction • 0 minutes

 1 reading • Total 10 minutes

Welome to SOLIDWORKS Revolution and Cut Features Course! • 10 minutes

 1 discussion prompt • Total 10 minutes

Share your thoughts • 10 minutes



## Practice Extrude Cut and Fillet/Chamfer (Level 5)

[Module details](#) ^


Module 2 • 4 hours to complete

In this module, you'll learn creating 3D objects from 2D drawings in SOLIDWORKS, including the use of extruded cuts, fillets, and chamfers for model refinement.

### What's included

 1 assignment  5 plugins

Hide info about module content ^

 1 assignment • Total 10 minutes

Quiz: Practice Extrude Cut and Fillet/Chamfer • 10 minutes

 5 plugins • Total 255 minutes

Introduction to Practice Extrude Cut and Fillet/Chamfer (Level 5) • 15 minutes

Create a Screw Driver Shaft (Level 5.1) • 60 minutes

Create a Pulley Housing (Level 5.2) • 60 minutes

Create a Clamping Collar (Level 5.3) • 60 minutes

Create a Lathe Cutting Tool Parting Block (Level 5.4) • 60 minutes



## Practice Revolve Boss/Cut (Level 6)

[Module details](#) ^


Module 3 • 4 hours to complete

This module covers creating 3D objects from 2D drawings in SOLIDWORKS, focusing on the revolve boss and revolve cut features.

### What's included

 1 assignment  5 plugins

Hide info about module content ^

 1 assignment • Total 10 minutes

Quiz: Practice Revolve Boss/Cut • 10 minutes

 5 plugins • Total 255 minutes

Introduction to Practice Revolve Boss/Cut (Level 6) • 15 minutes

Create a Chess Pawn (Level 6.1) • 60 minutes

Create a Caster Base (Level 6.2) • 60 minutes

Create a Hex Bit (Level 6.3) • 60 minutes

Create a Pipe Flange (6.4) • 60 minutes



### Earn a career certificate

Add this credential to your LinkedIn profile, resume, or CV. Share it on social media and in your performance review.

## Instructor



### SOLIDWORKS

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10 Courses • 7,795 learners

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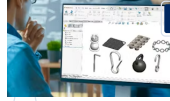
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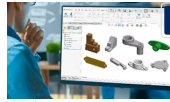
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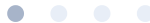
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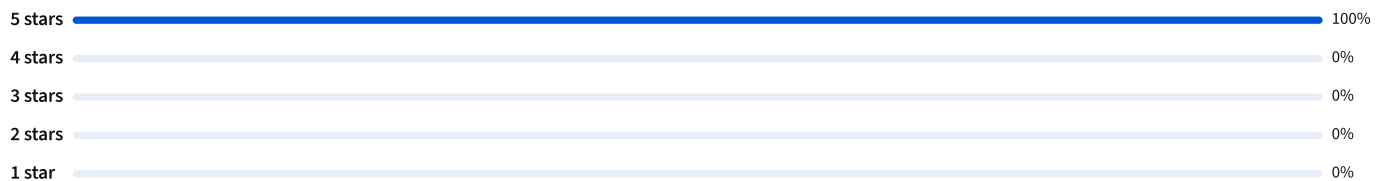
**Felipe M.**

Learner since 2018

"To be able to take courses at my own pace and rhythm has been an amazing experience. I can learn whenever it fits my schedule and mood."



★ **5.0** 22 reviews



DC

★ 5 · Reviewed on Nov 20, 2025

Thank You very much, I enjoyed the simple and in depth walkthrough for every possible features and operations which are required to have a decent knowledge for this software.

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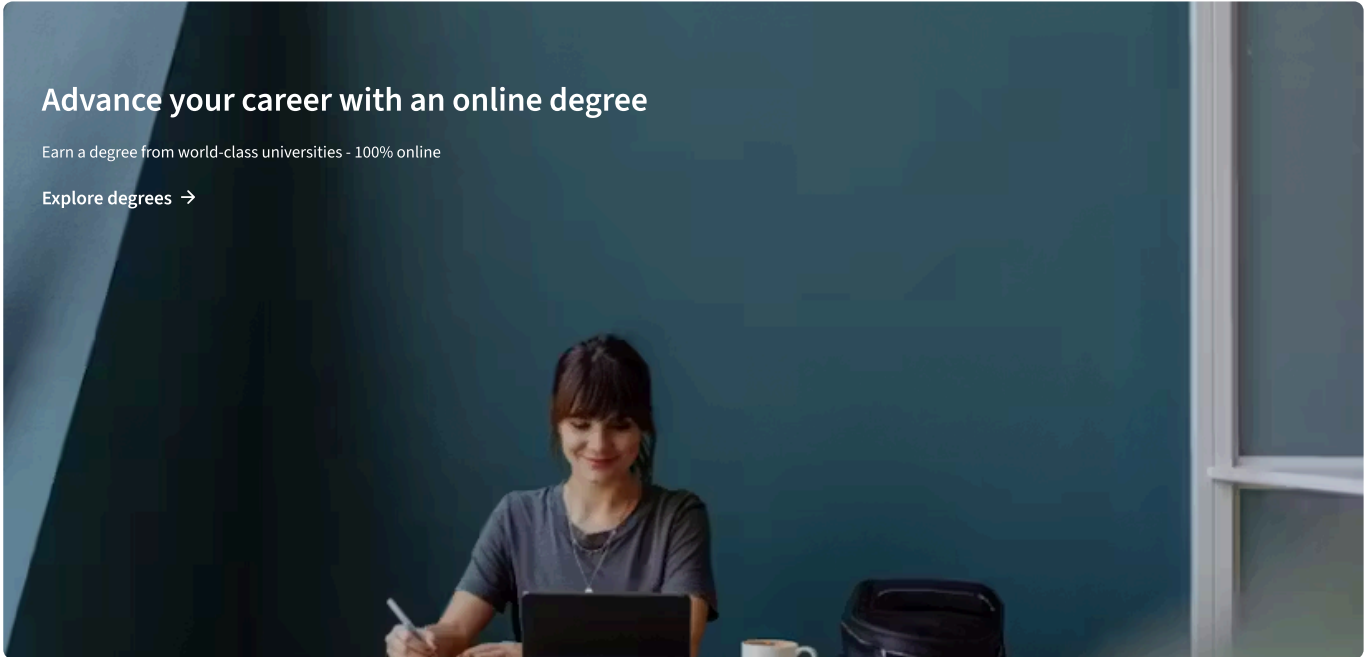
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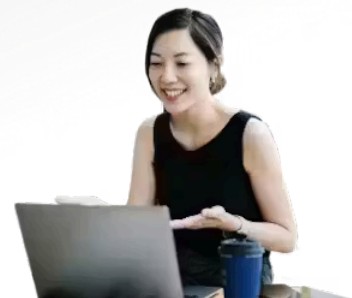
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## Frequently asked questions

### ^ When will I have access to the lectures and assignments?

To access the course materials, assignments and to earn a Certificate, you will need to purchase the Certificate experience when you enroll in a course. You can try a Free Trial instead, or apply for Financial Aid. The course may offer 'Full Course, No Certificate' instead. This option lets you see all course materials, submit required assessments, and get a final grade. This also means that you will not be able to purchase a Certificate experience.

## ^ What will I get if I subscribe to this Specialization?

When you enroll in the course, you get access to all of the courses in the Specialization, and you earn a certificate when you complete the work. Your electronic Certificate will be added to your Accomplishments page - from there, you can print your Certificate or add it to your LinkedIn profile.

## ^ Is financial aid available?

Yes. In select learning programs, you can apply for financial aid or a scholarship if you can't afford the enrollment fee. If fin aid or scholarship is available for your learning program selection, you'll find a link to apply on the description page.

## More questions



[Visit the learner help center](#)

Financial aid available, [learn more](#)

### Skills

Artificial Intelligence (AI)  
Cybersecurity  
Data Analytics  
Digital Marketing  
English Speaking  
Generative AI (GenAI)  
Microsoft Excel  
Microsoft Power BI  
Project Management  
Python

### Certificates & Programs

Google Cybersecurity Certificate  
Google Data Analytics Certificate  
Google IT Support Certificate  
Google Project Management Certificate  
Google UX Design Certificate  
IBM Data Analyst Certificate  
IBM Data Science Certificate  
Machine Learning Certificate  
Microsoft Power BI Data Analyst Certificate  
UI / UX Design Certificate

### Industries & Careers

Business  
Computer Science  
Data Science  
Education & Teaching  
Engineering  
Finance  
Healthcare  
Human Resources (HR)  
Information Technology (IT)  
Marketing

### Career Resources

Career Aptitude Test  
Examples of Strengths and Weaknesses for Job Interviews  
High-Income Skills to Learn  
How Does Cryptocurrency Work?  
How to Highlight Duplicates in Google Sheets  
How to Learn Artificial Intelligence  
Popular Cybersecurity Certifications  
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Signs You Will Get the Job After an Interview  
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