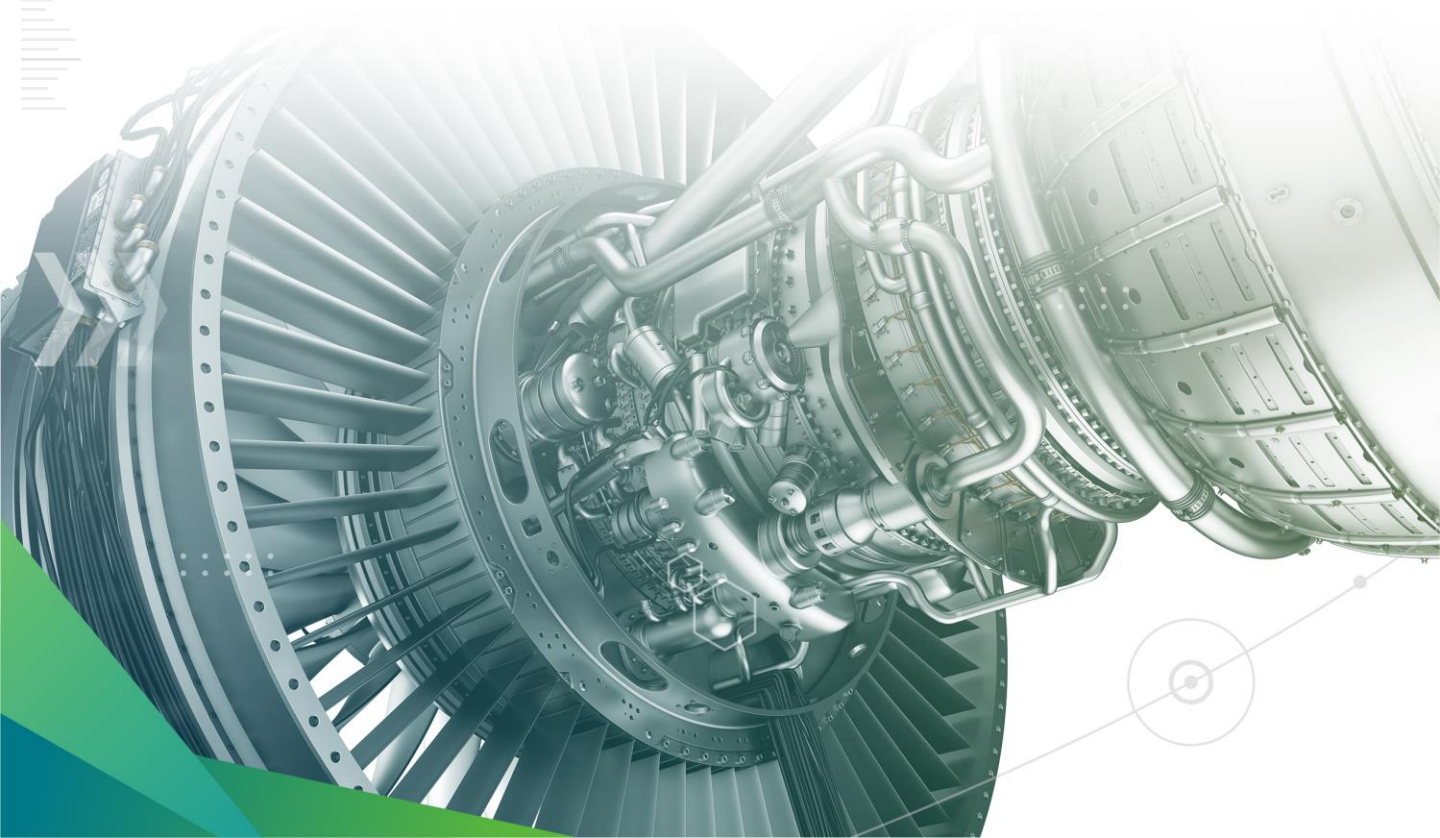
ptc university

# Practical Exam Study Guide

## CREO ASSEMBLY PROFESSIONAL CERTIFICATION



# STUDY GUIDE SECTIONS

This study guide will help you prepare for your exam. It describes the skills and prerequisite coursework you need to succeed and provides sample questions. The study guide includes the following sections:

- FAQ
- Sample Questions

# FAQ

## What is the Creo Assembly Professional Certification?

The Creo Assembly Professional Certification validates advanced-level knowledge and application taught in PTC University's LEARN Online curriculum.

Designers and engineers who earn the Creo Assembly Professional Certification can assemble Creo Parametric models using the proper orientation and placement.

## What can I expect when I take the practical exam?

Practical exams consist of a random set of questions based on use cases from PTC University courses. Project specifications and lab files provide the resources you need to correctly answer each question. You should plan to spend at least two hours on your exam, but you can take up to three consecutive hours to complete it. The exam will submit automatically after three hours and the provided virtual learning environment will disconnect.

## Do I need to earn the Creo Associate Certification before I try a professional exam?

No, but completing the Creo Associate Certification Exam can prepare you for the Creo Assembly Professional Certification Exam.

## How are certifications used?

This digital credential gives your employers and peers concrete evidence of your capabilities. Once earned, digital credentials can be shared to your social media accounts, embedded in your online resume, or attached to your email signature.

# FAQ

### Are certifications available for separate purchase?

All certifications are included with the purchase of a LEARN Online Subscription. They can also be purchased a la carte.

### How long are certifications valid?

Professional certification credentials are valid for two years. You can retake the exam each year to stay up to date with the latest software knowledge.

### What skills should I have before I take the Creo Assembly Professional Certification Exam?

- Constraints
- Connections
- Restructure Components
- Mirror Components
- Component Interfaces
- Search
- Replace
- Reference Failures
- Simplified Representations
- Shrinkwraps
- Cross Sections
- Display Styles
- Layers
- Appearances
- Skeletons
- Copy and Publish Geometry

### Which classes do you recommend I take before starting the Creo Assembly Professional Certification Exam?

- Creo: Assembly Productivity Tools
- Creo: Managing Large Assemblies
- Creo: Assembling with Non-Kinematic Constraints
- Creo: Assembling with Kinematic Connections
- Creo: Managing Assembly Styles and States
- Creo: Using Assembly Skeletons for Top-Down Design

# FAQ

## How do I earn a certification?

Getting certified requires serious preparation. Learners who achieve a passing score have hands-on experience with the solution, complete all recommended courses, or do both. For those who complete the recommended courses, the most prepared learners take sufficient notes, participate in class discussions, and finish all course exercises.

The subject material covered by this exam can be found under the Creo Assembly Training Catalog section.

You have two chances to pass the exam. If you attempt the exam a second time, you may see different questions. The process looks like this:

- Take the recommended courses.
- Register for the exam.
- Review the course materials to prepare.
- Take the exam and earn a passing score of 80%.
- Check your email for a completion notification.
- Accept the digital credential on Credly.

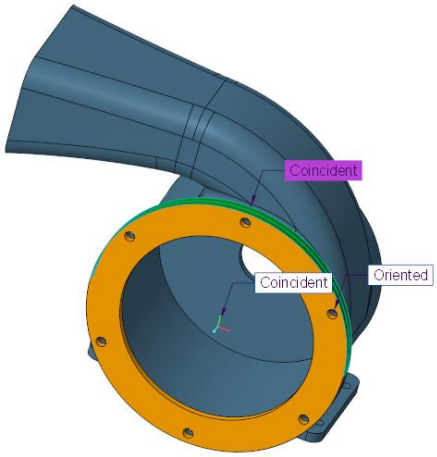
# SAMPLE QUESTIONS

The following questions are representative of what you will see in the practical exam. You cannot answer the sample questions because they depend on additional information provided in the virtual lab environment. Sample questions are meant to show an example of what you will encounter and are not intended as a practice exam.

## Sample Question 1

Open ASSEMBLY.ASM.

Assemble PART2.PRT to PART1.PRT, using the constraints shown.




What is the center of gravity of the assembly in inches, with respect to the coordinate system ASM_DEF_CSYS, using STEEL for all materials?

a. X = -1.3e-01 ; Y = 0.0 ; Z = -5e-02

b. X = 0.0 ; Y = 0.0 ; Z = 0.0

c. X = -1.3e-01 ; Y = 0.0 ; Z = -1.3e-01

d. X = -4.3e-01 ; Y = 1.3 ; Z = -1.3e-01

# SAMPLE QUESTIONS

## Sample Question 2

Open ASSEMBLY.ASM.

What are the parent features that caused a failure of the Round 2 feature in SUBASSEMBLY.ASM?

a. Round 1

b. Extrude 1

c. Sweep 1

d. Shell 1