Solid Edge Certification Exam Guide

For Solid Edge Associate, Professional and Expert Level Certifications

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• Register for an account



- If you have a Siemens account, sign in with your email and password.
- If you don't have a Siemens account, click the option to create an account.

or create an account	
Sign In has changed. If you username, please use your em	previously signed in with a aail Need help?
Email	
user@domain.com	
Password	Show
Enter your password	

CIEMENIC

- Type in your information to create an account.
 - Name
 - Email Address
 - School, Company, or Organization
- Check your Email!



Create an Ac	COUNT /e an account
irst Name	Last Name
Doug	Stainbrook
Email	
@gma	ail.com
Corporate emails preferred.	
Password	Show
•••••	
🔵 Company 🔘 Un	iversity Other
Company 🔘 Un Organization Name	iversity Other Country

- Open your email!
 - Click Verify Email

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SIEMENS Ingenuity for life Welcome to Siemens Digital **Industries Software** Please verify your email In order to activate your Siemens Account, you need to verify your email address douglas.stainbrook@gmail.com by clicking the button below. Verify Email Please activate your account within the next 30 days. If you have any question contact us at global_support.sisw@siemens.com Sincerely, Siemens Digital Industries Software

Email Verified

Your email address was successfully verified.

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- Click Continue and you will be logged in.
 - You will know you are logged in if you see the Log Out option. •

	SIEMENS Ingenuity for life. Blogs 🕿 Contact > Try Now
SIEMENS	Certifications Profile Log Out
Please check your inbox and verify your email address to finish setting up your account.	
Continue	
Didn't receive the verification email? Resend Verification Email	Solid Edge Certification Site
©2021 Siemens Digital Industries Software Privacy Terms Help	Solid Edge Certification is achieved through an online exam that tests the skills and knowledge of professionals and students who are experienced users of Solid Edge software. Solid Edge certification enhances the competitive edge and reputation of both users and organizations, and provides an industry recognized credential that both professionals and students can use to enhance their careers.
	A Get Started

Search for...

0

Your Profile

- Be sure to click Profile > Edit Profile under your name/email.
 - This is the name that will appear on the certificate once completed.



Edit Profile

Basic Information Additional Information

Editing "Basic Information" Profile Group

Name (required)

Doug Stainbrook

This field may be seen by: Everyone

Your Profile

- Failure to do this will result in a certificate with the alphanumeric code assigned to your profile printed on the certificate instead of your name.
- Fill out all required fields



Enroll

- Pick a certification level from the Certifications Link
- The next step is to enroll in a certification.



Course Content

- Once enrolled you will see three entries in the Course Content
 - Select the exam level "Information" first.

Solid Edge Associate Level Certification	
	0% COMPLETE
Enrolling in this course will allow you to take the Solid Edge Associate Level exam.	
Course Content	 Expand All
O Solid Edge Associate Level Exam Information	
Solid Edge Associate Level Exam 10 Exams	C Expand
O Solid Edge Associate Level Exam Results	

Exam Info

• Carefully read the exam information and select "Continue" to complete the information section of the exam.

Solid Edge Associate Level Exam Information

Solid Edge Associate Level Certification > Solid Edge Associate Level Exam Information

You are about to begin your Solid Edge Associate Level Certification Exam. Your questions are randomized.

Please read the following information carefully.

- Be sure you are either using the latest academic version of Solid Edge or the free student downloads.
- Once you begin, your timer will start and count down whenever you are actively completing a section. You will have three hours (180 minutes) to submit the exam. If the timer runs out, your saved answers will be submitted and the rest will not. Please be mindful of your start time and the time remaining.
- Your progress will be saved as you complete each section of the exam. You will see a page that is indicating it is recording your answers, then you can continue.
- After completing all of the exam questions, you will be presented with your results with either your passing grade and certificate or further instructions.

If you are experiencing any technical issues or have questions, please contact your proctor or use our contact form before taking the exam.

If you have not done so already, you must complete the Name and School or Organization field in your user profile. If you do not, then your name will not appear on your certificate should you successfully pass the exam





IN PROGRESS

- Next you will see all the sections for the exam level.
 - "Part Modeling" indicates you will use Solid Edge to model parts.
 - "Assembly Modeling" indicates you will use Solid Edge to assemble components you download from a Zip file from within the section.
 - All other sections indicate areas of the product for which you will be asked randomized multiple-choice questions.
 - Associate and Professional levels will ask 6 questions in each section.
 - Expert level will ask 10 questions in each section.
 - Click the first section to start the exam.

To begin, please select the first question from	the list below.
Exam Content	
🕃 Solid Edge Associate: User Interface 🗲	- Click to
Solid Edge Associate: Sketching	start the exam
Solid Edge Associate: Part	
Solid Edge Associate: Assembly	
Solid Edge Associate: Drafting	
Solid Edge Associate: Part Modeling	▲
Solid Edge Associate: Part Modeling	l nodolina –
Solid Edge Associate: Part Modeling	nodeling
Solid Edge Associate: Part Modeling	
Solid Edge Associate: Assembly Modeling	4

Knowledge-Based Questions

- Random questions will appear related to the sections:
 - User Interface
 - Sketching (Associate Level only)
 - Part
 - Sheet Metal (Professional and Expert Levels only)
 - Assembly
 - Draft
- Answer each question by selecting one of the possible randomized answers.

Knowledge-Based Questions

- Review your answers carefully for each section before clicking "Finish Section".
 - Clicking the Finish Section button will lock in your answers for that section and your answers cannot be changed.
 - Grading for that section will occur immediately on completion of the section.

Hole		
О Тар		Solid Edge Associate: User Interface
O Extrude		Solid Edge Associate Level Certification > Solid Edge Associate Level Exam > Solid Edge Associate: User Interfac
 Thread 		Progress saved.
		View Questions Click Here to Continue
	Finish Section	

- Time spent in the exam answering questions is displayed as well as the number of questions you answered correctly.
 - If you want to see which answers you got correct and which ones you got wrong, select "View Questions" for a quick look at grading for that section.
- Press "Click Here to Continue" to progress to the next section.

Solid Edge Associate: User Interface

The total time allotted for this exam is 180 minutes. Of the time allowed you have spent 0 minutes, and have 180 minutes remaining. This information will be updated at the start of the next section.	• • • • • • • • • • • • •
Solid Edge Associate Level Certification > Solid Edge Associate Level Exam > Solid Edge Associate: User Interface	0
Progress saved. 5 of 6 Questions answered correctly Your time: 00:11:32	
You have reached 15 of 18 point(s), (83.33%)	
View Questions Click Here to Continue	Correct

Incorrect

• When the next section starts you will see the updated **time spent** and **time remaining to complete the exam**.

Solid Edge Associate: Sketching

The total time allotted for this exam is 180 minutes. Of the time allowed you have spent 12 minutes, and have 168 minutes remaining. This information will be updated at the start of the next section.

Solid Edge Associate Level Certification > Solid Edge Associate Level Exam > Solid Edge Associate: Sketching

- If time expires, the timer will end the examinee's current section, but does not delete their saved progress.
 - Progress is only reset if the examinee clicks "Retake Exam" at the very end of the course (upon failing).
- If an examinee had greater than, or equal to, the required points to pass when the timer ran out, then they will still pass the exam.
 - DO NOT SELECT RETAKE EXAM if the timer expired, or progress is lost.
 - NOTE: They will need to have submitted the section they are working on so those answers are recorded.

- Time is also only counted when the examinee is actively viewing a section.
 - Example: If the examinee stops to take a break between section 4 and 5, that does not penalize them.
 - Once they start the final section the timer cannot be stopped.
- NOTE: It is up to the examinee to keep track of how much time they have remaining to complete the exam.
 - There is no countdown timer displayed while taking the exam.

• Model the part to the dimensions specified in the test question.





• From the Inspect tab, select the Physical Properties command

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	Home Sketching	3D Sketching	Surfacing PMI	Simulation	Generative Design	Reverse Engineeri	ng <u>3D Prin</u> t	Inspect T	ools A
Sma Meas	Total Length	Measure	Properties	Geometry Inspect	or 😵 Goal Seek Area • 🖳 Relationship Co valuate	olors Surface Visualization	Zebra Stripes	Curvature Shading Show Stow Settings	Draft Fa
Feature Library	Part1 × Part1 Part1 P	Diameter 1 Diameter 2 Diameter 3 Diameter 4 les	Physic Displays physic selected part of Press F1 for he	al Properties	e				

- Select the Update button on the dialog.
 - If you have not assigned a material, you can ignore the warning message.
- Note the whole number in the Volume field
 - In this example: **84113**

Volume: 84113.963 mm^3	Surfa 198:
Center of \	/olume

JUSER-defined properties	Global Principal	
Coordinate system:	Mass: Volume: Surface area: 0.000 kg 84113.963 mm^3 19823.29 mm^2	
Material Name:	Center of Mass Center of Volume Display symbol Cm Display symbol OCY	
Density: 0.000 kg/m^3 Change	X: 17.38 mm X: 17.38 mm Y: 21.65 mm Y: 21.65 mm Z: 14.84 mm Z: 14.84 mm	
Accuracy (0 to 1.0): 0.99	Mass Moments of Inertia Izz: Ixx: Iry: Izz: 0.000 kg-m^2 0.000 kg-m^2 0.000 kg-m^2 Ixy: Ixz: Iyz:	
Update on file save	0.000 kg-m^2 0.000 kg-m^2 0.000 kg-m^2	
Physical Properties are up-to	-date. Update Close Save As Help	

- Select the multiple-choice answer where the value you generated falls within the high and low range.
 - In this example your answer is: 84113



Model the part and calculate the volume. Choose the correct range that your answer falls within. Drawing views are third angle projection. To enlarge, click on the image to open in a new tab.

□ 83900 - 84000
□ 84000 - 84100
84100 - 84200
□ 84200 - 84300









Modeling Questions Requesting Area

• Sketch the geometry profile shown in the problem.





Modeling Questions Requesting Area

- If you created the sketch in the Part environment in synchronous mode, you must be locked onto the sketch plane to activate the Area command on the Inspect tab.
 - If you created the 2D sketch in the Draft environment, the Area command is already active.



Modeling Questions Requesting Area

- Click the area you wish to measure.
 - Note the Area value: 17699
- As in the previous question, choose the correct range your answer falls within from the four choices.



Draw the sketch shown and calculate the area of the shaded region. Choose the correct range that your answer falls within. To enlarge, click on the image to open in a new tab.

17600 - 17800
17800 - 18000
18000 - 18200
18200 - 18400



- You will be asked to download a set of parts in a zip file.
 - Be sure you have internet access and permissions to download a Zip file from the Siemens site.
 - Be sure you have software capable of unzipping a Zip file.



 Use the link to download the Zip file of the Solid Edge Parts and Assembly files. Included in the zip file is an instructional PDF document on how the components should be assembled.



ITEM	NAME	MAT'L	QTY
1	Mount Plate	Steel	1
2	ServoMotor		1
3	Rivot	Steel	4
4	Gripper Jaw-RH	ABS Plastic, high impact	1
5	Gripper Jaw-LH	ABS Plastic, high impact	1
6	Pivot Pin	Stainless steel	2
7	Clip	Steel	2
8	Servo Arm	ABS Plastic, high impact	1
9	Connector Wire - LH	Stainless steel	1
10	Connector Wire - RH	Stainless steel	1

• After assembling the parts, from the Inspect tab, select the Physical Properties command.



- Note the Center of Mass Z value whole number: 26
 - As in the previous questions, choose the correct range your answer falls within from the four choices.

Open the Gripper Assembly.asm and finish assembling as shown in the assembly instructions. What is the Z value for Center of Mass? There is additional information in the PDF document included in the zip file.

□ 24 - 25 ■ 26 - 27 □ 28 - 29 □ 30 - 31

User-defined properties	Global Principal			
Coordinate system:	Mass:	Volun	ne:	
Model Space	0.326 kg	6688	4.769 mm^3	
model opace	Quantity override mass:			
	0.326 kg	Use	as the Assembly Mass	
	Center of Mass	(Center of Volume	
	Display symbo	ol 🥥	🗌 Display symbol 🛛 🍎 🕻 '	<u> </u>
	X: 18.76 mm		X: 22.10 mm	
	Y: 1.82 mm		Y: 4.24 mm	
	Z: 26.95 mm		Z: 26.76 mm	
Undata an fila anus	Mass Moments of Inertia			
Opdate on the save	XX:	lyy:	IZZ:	
	0.000 kg-m 2	0.001 kg-m 2	0.001 kg-m 2	
	lxy:	Ixz:	lyz:	_
	0.000 kg-m^2	0.000 kg-m^2	0.000 kg-m^2	

Exam Results

- Once all sections are completed you are taken to the Results section which shows your passed/failed status and your final score and how it compares to the minimum passing score for the exam.
- Click Continue to complete the results section and finish the exam.

Solid Edge Associate Level Certification > Solid Edge Associate Level Exam Results IN PROGRESS You spent a total of 120 minutes in the exam of the allowed 180. Result: User passed. Score: 88.3333333333% Score: 88.333333333% Minimum score required: 68% Congratulations! You have passed the certification exam. Please select the green "Continue" button below to generate your badge and certificate. Previous Section Back to Course	Solid Edge Associate Level Exa	am Results	
You spent a total of 120 minutes in the exam of the allowed 180. Result: User passed. Score: 88.3333333333 Minimum score required: 68% Congratulations! You have passed the certification exam. Please select the green "Continue" button below to generate your badge and certificate. < Previous Section Back to Course Continue	Solid Edge Associate Level Certification > Solid Edge Associate Level Ex	am Results	IN PROGRESS
Result: User passed. Score: 88.33333333333 Minimum score required: 68% Congratulations! You have passed the certification exam. Please select the green "Continue" button below to generate your badge and certificate. Previous Section Back to Course	You spent a total of 120 minutes in the exam of the allowe	ed 180.	
Congratulations! You have passed the certification exam. Please select the green "Continue" button below to generate your badge and certificate. Continue Back to Course Continue	Result: User passed. Score: 88.33333333333% Minimum score required: 68%		
Previous Section Back to Course Continu	Congratulations! You have passed the certification exam. P	'lease select the green "Continue" button below to genera	te your badge and certificate.
	< Previous Section	Back to Course	Continue

Certificate

• On the next page you may download your certificate if you passed.

Solid Edge Associate Level Certification	
You've earned a certificate!	Download Certificate
	100% COMPLETE COMPLETE
nrolling in this course will allow you to take the Solid Edge Associate Level exam.	
Course Content	✓ Expand All
Solid Edge Associate Level Exam Information	
Solid Edge Associate Level Exam 10 Exams	💽 Expand
Solid Edge Associate Level Exam Results	
Return to Index	

Certificate and Digital Badging

You may also access your certificates and badges • that you have earned through your profile.





Digital Badging

• Use the URL code to embed your badge in your portfolio website or you may use the links to copy the information to share your badge on social media.

Solid Edge Mechanical – Associate Cer	tification	Share on Facebook	
SOLID EDGE The Solid Edge Mechanical – Associate Level certification demonstrates that a user has tools and techniques, part, assembly and drawing creation. A basic understanding of e required to earn this credential.	a basic knowledge of the user interface, sketching ach environment and its essential commands is	Share to News Feed or Story 🔻	
Embed your Badge	678&uid=4345&tn=1632223261">	Doug Stainbrook Say something about this	
Share on Social Media			
Verify	Add Your Badge/Rank To LinkedIn	Solid Edge Mechanical – Associate Certification	
- Tweet	Use the copy buttons to quickly fill in the information in the "Add Certification" area of your LinkedIn profile.	CERTIFIED Mechanical Associate	c and
Solid Edge Mechanical – Associate Certification	Add to Profile Certificate Name Solid Edge Mechanical – Associate Certification Copy	Tag Friends O Check in 😛 Feeling/Activity	
https://cadcertification.sw.siemens.com/evidence- page/?bg=43184&eid=1678&uid=4345	Issuing Organization CAD Certification by Siemens Copy	News Feed	Public
S Everyone can reply	Copy	Vour Story	S Friends
	Certificate URL https://cadcertification.sw.siemens.com/evidence-pag Copy	Cancel Post to Facebook	
	Issue Date Expiry Date September 21, 2021 September 21, 2026		
	Return to Index		

- Click on you're earned badge in your profile
 - Use your highest-level achievement badge; Associate, Professional or Expert.
- Click on the badge you want to add to your signature to go to <u>your</u> unique verification page.



• Right click on the badge image and select Copy Image.

Badge Verification



• In Outlook, start a new email message and click on "Signatures" under "Insert" tab.



• Past the image into your signature where you want it to appear.

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mail Signature	Personal Stationer	у				
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Doug			^	E-mail <u>a</u> ccount:	douglas.stainbrook@siemens.com	n `
				New <u>m</u> essages:	Doug	`
				Replies/ <u>f</u> orwards:	Doug	`
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- Right click on the image and select "Picture" from the menu. This will bring up the Format Picture dialog.
 - Select the Size tab.
 - Change the scale to the size you desire.

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• To link the image to your unique certification verification page, select the URL for the badge verification page you are on and copy it to the clipboard.



- Right-click on the signature image and select "Link" at the bottom of the pop-up menu.
- Copy the URL into the Address:
- Click OK to dismiss the dialogs and accept the changes to your signature.



Badge Verification

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Creating a new email now displays your badge, and if someone were to click on the badge, it takes them directly to your certification verification page.



Badge Verification

 The social media badges are also used to verify your credentials when someone clicks on them.

YOU'RE ALL SET... GO GET CERTIFIED!

/e	rification
~	Issued On September 21, 2021 7:07 am
~	Issued by CAD Certification by Siemens
~	Issued to Doug Stainbrook
~	Expiry date is September 21, 2026 7:07 am
~	Verified