



US Department of Labor / DASI Solutions Industrial Design Technician Apprenticeship Program

Registered Apprenticeship is a national system that offers on-the-job training in many of today's sought after careers through partnership with businesses like yours. DASI Solutions is now offering an Industrial Design Technician Apprenticeship. Upon full completion of the apprenticeship program, participants will receive a US Department of Labor Journeyman's Card.

Building a Registered Apprenticeship Program has many advantages for you and your employees, such as:

- a systematic approach to training
- the ability to conduct assessments of where the employer and employee are in terms of continued improvement
- increased productivity and knowledge transfer due to on-the-job learning

Working with DASI Solutions as a Registered Apprenticeship Employer partner, you are responsible for recruiting and leading apprentices as they learn and complete 4,000 hours of on-the-job training. DASI Solutions will be there to help you and your employee through every step of the process. The two-year program consists of:

Computers - Excel	SOLIDWORKS Simulation
Integrated Descriptive Geometry	Surface Modeling
Creating Blueprints (DraftSight)	Mold Design
Integrated Math 1	Assembly for Tooling
SOLIDWORKS Essentials	Large Assemblies Performance
Integrated Math 2	Detailing Automated Equipment
SOLIDWORKS Drawings	SOLIDWORKS Composer
Advanced Assembly Modeling	SOLIDWORKS Electrical Schematics
Integrated Math 3	SOLIDWORKS Routing - Piping & Tubing
Advanced Part Modeling	SOLIDWORKS Electrical 3D
SOLIDWORKS Motion	SOLIDWORKS Plastics (1-Day)
Sheet Metal	Capstone Project (Youth Program Mentor)
Weldments	

For a more information on course schedules and syllabus, visit: <http://dasisolutions.com/index.php/training/training-schedule>.

DASI Solutions' Apprenticeship Program is authorized by the US Department of Labor.



Contact Annette Norris for Further Information

annette@dasi-solutions.com
248-410-9896



WORK PROCESS SCHEDULE

Occupational Title: Industrial Design Technician (Graphic Designer)

O*NET Code: 27-1024.00 **RAPIDS Code:** 0010

Description: Use software to create designs into technical drawings and plans. Emphasis is placed on the applications, procedures and techniques of principles involved in industrial drafting and design techniques.

On-The-Job Training: Apprentices will receive training in the various work experiences listed below. The order in which this training is given will be determined by the flow of work on the job and will not necessarily be in the order listed. The times allotted to these various processes are the estimated times which the average apprentice will require to learn each phase of the trade. They are intended only as a guide to indicate the quality of the training being provided and the ability of the apprentice to absorb this training in an average amount of time. The total term of apprenticeship is indicated below.

EMPLOYER / APPRENTICE RELEVANT DUTY ASSIGNMENTS	APPROX. HOURS
Use computer software to generate new design to create designs, concepts and sample layouts based on knowledge of layout principles and aesthetic design concepts	1,000
Determine size and arrangement of material	500
Confer with clients to discuss and determine product design	400
Review final product design and suggest improvements as needed	300
Prepare product design or rough drawings, discussing them with clients or supervisors and making necessary changes	450
Maintain archive of design, graphics or previous work products	350
Prepare notes and instructions for workers who assemble and prepare final layouts for processing	400
Sketch and print charts, graphs, illustrations and other designs using computer	200
Study designs and drawings to plan presentation of products	200
Research new software or design concepts	200
Total Approximate Hours	4,000

DASI Solutions' Apprenticeship Program is authorized by the US Department of Labor as recognized by the states of Michigan and Indiana.

**For more information, contact Annette Norris:
248-410-9896
or annette@dasi-solutions.com**

DASI Solutions

31 Oakland Ave., Suite 100, Pontiac, MI 48324
www.dasisolutions.com | 888-327-2974

Apprenticeship Program Certifications

The DASI Apprentice may earn optional industry recognized certifications. The following training outline identifies subject matter which must be mastered by the apprentice in order to successfully complete the certifications.

	Hours	2-yr Apprenticeship	CSWA	CSWP	CSWPA - Sheet Metal	CSWPA - Weldments	CSWPA - Surfacing	CSWPA - Mold Tools	CSWPA - Drawing Tools	CSWP - Simulation
Computers - Excel	8	✓								
Integrated Descriptive Geometry	8	✓	✓	✓	✓	✓	✓	✓	✓	✓
Creating Blueprints (DraftSight)	8	✓								
Integrated Math 1	8	✓	✓	✓	✓	✓	✓	✓	✓	✓
SOLIDWORKS Essentials	32	✓	✓	✓	✓	✓	✓	✓	✓	✓
Integrated Math 2	8	✓								✓
SOLIDWORKS Drawings	8	✓		✓					✓	
Advanced Assembly Modeling	16	✓		✓						
Integrated Math 3	8	✓								✓
Advanced Part Modeling	16	✓		✓						
SOLIDWORKS Motion	16	✓								✓
Sheet Metal	16	✓			✓					
Weldments	8	✓				✓				
SOLIDWORKS Simulation	24	✓								✓
Surface Modeling	8	✓					✓	✓		
Mold Design	8	✓						✓		
Assembly for Tooling	8	✓								
Large Assemblies Performance	8	✓								
Detailing Automated Equipment	8	✓								
SOLIDWORKS Composer	16	✓								
SOLIDWORKS Electrical Schematics	24	✓								
SOLIDWORKS Routing - Piping & Tubing	8	✓								
SOLIDWORKS Electrical 3D	8	✓								
SOLIDWORKS Plastics (1-Day)	8	✓								
Capstone Project (Youth Program Mentor)	32	✓								
TOTAL HOURS	320									

For a full description of each SOLIDWORKS Industry Certification, visit DASI's website at:
<http://dasisolutions.com/index.php/training/solidworks-certification>



**Contact Annette Norris for
Further Information**

annette@dasi-solutions.com
248-410-9896



Copyright © 2017 DASI Solutions LLC.
All rights reserved.



SOLIDWORKS Industry Certifications

CSWA - As a Certified SOLIDWORKS Associate (CSWA), you will stand out from the crowd in today's competitive job market. The CSWA certification is proof of your SOLIDWORKS expertise with cutting-edge skills that businesses seek out and reward.

CSWP - Each Certified SOLIDWORKS Professional (CSWP) has proven their ability to design and analyze parametric parts and moveable assemblies using a variety of complex features in SOLIDWORKS software.

CSWPA-Sheet Metal - The completion of the Certified SOLIDWORKS Professional Advanced Sheet Metal (CSWPA-SM) exam shows that you have successfully demonstrated your ability to use SOLIDWORKS Sheet Metal tools. Employers can be confident that an individual with this certification understands the set of SOLIDWORKS tools that aid in the design of sheet metal components.

CSWPA-Weldments - The completion of the Certified SOLIDWORKS Professional Advanced Weldments (CSWPA-WD) exam proves that you have successfully demonstrated your ability to use the SOLIDWORKS tools for Weldments.

CSWPA-Surfacing - The completion of the Certified SOLIDWORKS Professional Advanced Surfacing (CSWPA-SU) exam shows that you have successfully demonstrated your ability to use SOLIDWORKS Advanced Surfacing tools. Successful completion of this exam also shows the ability to create advanced surface models as well as troubleshoot and fix broken surface bodies or imported bodies that are incorrect using advanced surfacing techniques.

CSWPA-Mold Tools - The completion of the Certified SOLIDWORKS Professional Advanced Mold Tools (CSWPA-MT) exam shows that you have successfully demonstrated your ability to use SOLIDWORKS Mold Tools functionality. Successful completion of this exam will demonstrate knowledge of how to correctly use these SOLIDWORKS tools.

CSWPA-Drawing Tools - The completion of the Certified SOLIDWORKS Professional Advanced Drawing Tools (CSWPA-DT) exam proves that you have successfully demonstrated your ability to use the tools found in the SOLIDWORKS drawing environment. Employers can be confident that you understand the tools and functionality.

CSWP-Simulation - The Certified SOLIDWORKS Professional - Simulation (CSWP-S) exam tests your understanding of SOLIDWORKS Simulation tools and simulation in general. Candidates who successfully pass this certification exam have demonstrated the ability to set up, run and examine the results of various types of Simulation scenarios. They also have demonstrated the ability to interpret the various results available to them in SOLIDWORKS Simulation and an understanding of the basics of simulation and FEA.

CSWE - A Certified SOLIDWORKS Expert is someone who easily demonstrates the ability to utilize advanced functions and features to solve complex modeling challenges. A CSWE will be well rounded in their knowledge of all areas of the SOLIDWORKS software. A CSWE is able to solve practically any modeling problem given to them and is traditionally the go-to SOLIDWORKS user among their colleagues. To qualify to take the CSWE exam, a candidate must have:

- Successfully passed the CSWP exam
- Successfully pass at least four of the CSWP Advanced topic exams listed above.

**For more information, contact Annette Norris:
248-410-9896
or annette@dasi-solutions.com**

DASI Solutions

31 Oakland Ave., Suite 100, Pontiac, MI 48324
www.dasisolutions.com | 888-327-2974