



Fall 2022 - Spring 2023 Apprentices Calendar

Since 2006, **The Manufacturers' Association** has provided the largest Apprenticeship Program, with courses to help meet the needs of local businesses to train and develop skilled workers and to maintain a high-quality workforce to enhance the efficiency and productivity of regional manufacturing.

We are committed to:

- Helping local businesses develop a younger workforce. Over the next ten years, the US will be 2,400,000 manufacturing jobs short of what is required by the industry.
- Providing instructional, technical, and basic skill training for apprentices as part of our mission to support manufacturing in Southcentral PA and Northcentral Maryland
- Delivering advanced skills and training far beyond 'OJT' or on-the-job training

Our Apprentices Program offers:

- Easy Enrollment – *The Association sponsors you & handles your program paperwork!*
- College credits – Completed courses are credited towards receiving an Associate Degree at Thaddeus Stevens College of Technology in Lancaster.
- Employer Engagement – Regional employers work with the Association to design the courses.
- Highly-skilled teaching staff – Our instructors are experienced Journeymen.
- Mentor training to journeymen working with apprentices at your company to help the apprentices learn more.
- Try it- Programs are also open to all members interested in the courses whether your company is a registered apprenticeship sponsor or not.

Let us sponsor your company and do all the work for you!

Ask Us About Funding Options!

Hours	Course Title	Days	Dates	Pre-requisite & Details	MBR Cost	Non MBR Cost
10	OSHA -10		August 22 & 23 Daytime		400	600
39	Die Theory	M & W	8/22 – 10/05/2022	No class 9/5/22	495	685
54	Shop Math I	T & TH	8/25 – 10/27/2022	No class 10/6	625*	845
66	CNC I	T & TH	8/23 – 11/3/2022	Shop Math I & II	875*	1100
18	BPR & Measuring Instr.	T & TH	8/23 – 9/8/2022	Shop Math I	395*	495
39	Welding I	T & TH	8/30 – 10/11/2022		1075* (Cost includes PPE)	1265
69	Shop Practices	M & W T & TH	9/20 – 12/8/2022 Class splits in 2 sessions	No class 11/24 Shop Math I, BPR & Meas.	875	1100
39	Machine Maint	M & W	10/3 - 11/14/2022		975*	1265
18	Industrial Communication	M & W	10/10-10/26/22		395*	575
39	PLC Maint.	M & W	10/10 – 11/21/2022		495*	685
30	Materials	M & W	11/7 – 12/12/2022	No class 11/23	465*	675
60	CNC II	T & TH	11/29/2022 – 2/16/2023	CNC I No class 12/20,22,27,29	875*	1100
45	Pneumatics	M & W	11/30/2022-1/25/2023	No class 12/26,28/22	975*	1200
39	Welding II	M & W	12/5/2022 – 1/23/2023	No class 12/26,28/22	1075 * (cost includes PPE)	1265

54	Shop Math II	M & W	1/2 – 3/1/2023	Shop Math I	625*	845
36	Mold Theory	T & TH	1/3-2/9/2023		485*	685
39	Jigs & Fixtures	T & TH	1/19 – 3/2/2023		495*	685
39	Tooling Practice	M & W	2/6 – 3/20/2023		550	825
60	CNC III	T & TH	3/7 – 5/11/2023	CNC I & II	875*	1100
36	Hydraulics	T & TH M & W	3/7-4/13/2023 -A 3/8 – 4/17/2023-B		975*	1200
54	Shop Math III	M & W	3/13 – 5/10/2023	Shop Math I & II	625*	845
30	GDT	M & W	4/3-5/3/2023	BPR & Math I	465	590
18	Machine Installation	M & W	4/24-5/10/23		465*	590
30	Industrial Controls (Previously ELE II)	M & W	4/26-5/31/2023	No class on 5/29	975*	1200
32	Electricity I	M-TH	5/8-5/11/2023 Daytime class		\$750*	\$1000

Complete course descriptions can be viewed on the [webpage](#)

Apprentice Books

***Indicates books are included with cost of course above and you do not have to purchase them separately.**

If Books are not included in cost of course, they are to be purchased in advanced.

If you are part of the grant/sponsorship or would like your students' books purchased by us, to be included in the total cost, please let us know during registration- training@mascpa.org or 717-843-3891

Shop Math	The students will need a Casio FX-260 Solar SLRSC calculator for class.
G, D & T	1. Name: Modern Geometric Tolerancing Author: Lowell W. Foster ISBN: 0-910399-21-3 This book can be purchased on amazon.com or at www.ntma.org . 2. Name: GDT Hierarchy Pocket Guide Author: Don Day ISBN: 978-0-9792781 This book can be purchased at the Tecease website at www.tec-ease.com .
Tooling Mfg Practices	Name: Manufacturing Processes and Materials 5e Author: Gamal S. Weheba and Ahmad K. Elshennawy ISBN: 978-0872638716 This book can be purchased at www.sme.org
Die Theory	Name: Basic Die Making Author: D. Eugene Ostergaard ISBN: 0-07-046090-6 www.ntma.org .
CNC I	CNC Programming 3rd edition Author: Peter Sims ISBN-13: 978-0831133474

Registration Process

Sponsored Companies:

Our Apprentice Coordinator will send a suggested schedule for your students, for your approval, unless otherwise requested.

You do not need to fill out the registration form.

***Non-Sponsored Companies -Keep these items in mind when selecting course for your Apprentice.**

- Companies are to select which courses they would like their employee to attend.
Students do not automatically rollover each year. Student registrations must be confirmed
- Students must maintain a minimum of 144 hours of classroom training a year.
- If your student is coming from another program or college and will not be taking some of the courses, please let us know which courses are credited for the apprentice.
- Some Required textbooks are not included and are a separate cost. We will give you the information to purchase them or you can request to have us to do so and add to your invoice.
- If you have books from previous students and are the correct version, in good shape (no answers written in) feel free to reuse them or ask us if you can sell them back.
- If you have employees who are not apprentices and you would like to send them to courses, please let us know.

[Register Online](#) or Email your request to training@mascpa.org

Let us sponsor your company and do all the work for you!

Apprentice Registration Form for

Non-Sponsored Companies

Program: (Circle One)

Machinist

Maintenance Mechanic/Technician

Tool & Die Maker,

Mechatronics Technician

Quality Control Technician

Industrial Manufacturing Tech.

Student Name: _____

Student Email: _____

Courses

Company: _____

Contact Name: _____

Contact Email: _____

Cancellations with less than a 2-week notice will be charged. No shows will be charged.

For questions about the program, please contact:
Manager Chris Zimmerman czimmerman@mascpa.org
Phone: (717) -843-3891