

Department of Workforce Development
Employment and Training Division
Bureau of Apprenticeship Standards
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STATE OF WISCONSIN

Department of Workforce Development
Tony Evers, Governor
Amy Pechacek, Secretary
Michele Carter, Division Administrator

Electrical & Instrumentation State Apprenticeship Advisory Committee Agenda

Wednesday – October 28, 2026
10:00 a.m. – 12:00 p.m.

Attend In-Person:

Fox Valley Technical College Appleton
1825 N Bluemound Ave, Appleton
Room A137
Use north parking lot, Entrance 15

Attend Virtually

[Join Meeting Now](#)

Teams Meeting ID: 258 797 591 781 939 | Passcode: 86oY39dz

Attend via Phone: #608-571-2209 | Conference ID: 929 979 512#

Note: Public comment will occur only when noted, after committee discussion and prior to committee action.

1. Call Meeting to Order
2. Record Attendees
3. Review Roster
4. Review and Approve Previous Meeting Minutes
5. Specific Committee Items for Discussion (*Public Comment*)
 - i. Potential Updates/Revisions to Exhibit As
 - Electrical & Instrumentation Tech
 - Maintenance Tech
 - ii. Mechatronics Update
 - iii. Potential development of Electrical and Automation program
 - iv. Mental Health training for apprentices (carryover from spring 26)
6. Director's Call Discussion

7. **WTCS Updates**
 - a. **WIDS – curriculum review**
 - i. **Maintenance Technician**
 - ii. **Industrial Electrician**
 - iii. **Electrical & Instrumentation Technician**
8. **Other Discussion Items**
9. **Review Program Participants**
10. **Set Next Meeting Date/Time**
11. **Adjourn**



State Apprenticeship Advisory Committee Electrical and Instrumentation

Tuesday, May 12, 2026

10:00 am

In-Person and/or Virtual: Both

Check if Present	Members	Organization/Employer
☒	Butt, Nate (Co-Chair)	Quad
☒	Cannestra, Anthony (Co-Chair)	IBEW Local 633 / GE Healthcare
☐	Cestkowski, Jim	MPI
☐	Mathena, Mike	Madison Kipp Corporation
☐	Hafeman, Brian	Packaging Corp of America
☐	Steele, Kyle	Domtar
☒	Palzkill, Craig	Madison Metro Sewerage Dist
☒	Woehlke, Scott	Mercury Marine
☒	Randall, Bob	Brakebush Brothers Inc
☒	Carey, Timothy	Mercury Marine
☒	Hanson, Kristal (L)	Ahlstrom
☒	Mrozinski, Darryl (E)	Sargento
☐		
Check if Present	Consultants & Guests	Organization/Employer
☒	Polk, David	Bureau of Apprenticeship
☒	Pusch, Liz	Bureau of Apprenticeship
☒	O'Shasky, Lynn	Bureau of Apprenticeship
☒	Neitzel, Lynn	WIDS
☒	Mayek, Amanda	WTCS
☒	Herber, Ryan	Bureau of Apprenticeship
☒	Gill, Lavelle	Bureau of Apprenticeship
☒	Pelikan, Leslie	Bureau of Apprenticeship
☒	Krowas, Erich	FVTC
☒	Abbott, Nick	Bureau of Apprenticeship
☒	Peterson, Brandon	Bureau of Apprenticeship
☒	Ferguson, Darrell	Bureau of Apprenticeship

Draft Meeting Minutes

Lynn O'Shasky

Public comment will occur only when noted, after committee discussion and prior to committee action.

1. Call Meeting to Order

- Note Who: Tony Cannestra
- Note Time: 10:01 am

2. Introductions and Record Attendees (in table above)

3. Review Roster

4. Review and Approve Previous Meeting Minutes

- Note any Changes:
- Motioned to Approve made by: Tony Cannestra
- Seconded by: Nate Butt

5. Specific Committee Items for Discussion (Public Comment)

- a. Discuss potential change in oversight of the Mechatronics Technician program from Industrial Mechanical and Fluid Maintenance Committee to E & I Committee** (carryover from spring 25 meeting)

Committee discussed background of formation of Mechatronics Tech program noting that it was established in 2017 and initially assigned to IMFM committee. Members have been noting since that time that the program contains more extensive electrical work, making E&I committee a better choice.

Item was sent to IMFM last fall for potential vote to approved move. However, there was not a quorum. Next meeting will be May 27.

If IM&FM approves, the move to E&I would be effective immediately.

Members also discussed the potential of forming a standalone committee for Mechatronics and Maintenance Technician programs. BAS recommends programs remain with E&I. As numbers grow, this may be appropriate in the future.

Motion to accept mechatronics to E&I committee for oversight.

Motion made by Tony Cannestra

Seconded by Nate Butt

Motion passes

Change is pending IMFM approval at the upcoming meeting.

- b. Potential Updates/Revisions to Exhibit As** (carryover from spring 25 meeting)

- i. Electrical and Instrumentation Tech**

Committee will review and potentially update work process revisions to the E&I Tech Exhibit A. BAS will coordinate with WIDS for dates and poll will be sent out to committee

members to get meeting scheduled with WIDS for June.

c. Mental Health Training for Apprentices

Director Polk provided a summary of the WI Apprenticeship Advisory Council's discussions surrounding Mental Health Training for Apprentices and the potential of requiring this as part of the apprentice contract. Feedback is being requested from all state committees.

Members noted the following:

- Manufacturing sector is different from construction and formal training is not widely offered and available.
- Typically rely on EAP and employee wellness programs. Resources are available to all employees, and not specifically for apprentices.
- Training to recognize those issues might be beneficial.
- The differences in occupational areas make it difficult for a uniform recommendation.
- Concerns were raised over how this be measured. For example, is this a check box type of item?
- With EAP and services available through the local tech schools, there are already resources available.
- Question raised as to whether the various state committees should make the recommendations at that level rather than statewide.

Director Polk will take recommendations back to Council.

6. Director's Call Discussion

Director's calls are now being recorded and available online
<https://dwd.wisconsin.gov/apprenticeship/meetings-statetrade.htm>

David recapped available grant funding including WFF, WisTrain, and Arkansas Mfg Grant.

7. WTCS Update

WIDS curriculum review

Lynn Neitzel provided an overview of the 5-year cycle of related instruction review. This year, the following programs will be reviewed: E&I Tech, Maintenance Tech, and Industrial Electrical. Surveys will go out to sponsors for input.

Mandy Mayak shared new Transition to Trainer resource link for current classes being offered. <https://mywtcs.wtcsystem.edu/educational-services/academic-programs/apprenticeship/>

8. Other discussion items

- a. Members resumed the discussion on creating an additional Automation-focused RA.

Discussion items included:

- Nate noted that Quad sends many electricians to additional PLC/advanced automation-type classes to augment electrical toward automation track.
- Members and Lynn O'Shasky noted that there is interest from many

manufacturers incorporating automation into RA.

- Best approach: One year "capstone" Automation RA or distinct Electrical & Automation Tech RA.
- Support for E&A to create it similar to E&I including the full industrial electrical PRI with one year of additional classes for automation.
- BAS will consult with WTCS and WIDS on potential next steps.

Motion made to explore the creation of Electrical and Automation trade.

Motion: Bob Randall

Second: Nate Butt

Motion approved

- b. Members noted that the Maintenance Technician Exhibit A needs to be reviewed for potential revisions to the related industrial electrical work to align with updated Industrial Electrical.

BAS will send out survey and schedule meeting.

- c. 2025 Year in the Review is available
<https://dwd.wisconsin.gov/apprenticeship/pdf/BAS-2025YearInReview.pdf?v=2>

9. Review program participants

- Information shared in meeting materials packet and discussed.

10. Set Next Meeting Date/Time

- Note Next Meeting: October 28 10:00 am

11. Adjourn

- Note Time: 11:40
- Motion to Adjourn made by: Tony Cannestra
- Motion Seconded by: Craig Palzkill

State Electrical & Instrumentation Comm • Madison WI
Mechatronics Technician • 02-828261022-02-H
Exhibit A - Program Provisions

Approved: 9/1/2026

TERM OF APPRENTICESHIP: The term of apprenticeship shall be Hybrid, which has been established to be 5 years of not less than 10,000 hours. In addition to the specified hours, the apprentice must successfully attain the competencies described in these program provisions. Hours of labor shall be the same as established for other skilled employees in the occupation.

PROBATIONARY PERIOD: The probationary period shall be the first 12 months of the apprenticeship. During the probationary period, this contract may be cancelled by the apprentice or the sponsor upon written notice to the Department.

PAID RELATED INSTRUCTION ATTENDANCE: The apprentice shall attend the Wisconsin Technical College System or other approved training provider, as assigned, for paid related instruction four hours per week or the equivalent and satisfactorily complete the prescribed course material for a minimum of 864 hours, unless otherwise approved by the Department. The employer must pay the apprentice for attended related instruction hours at the same rate per hour as for services performed.

WORK PROCESS SCHEDULE: In order to obtain well-rounded training and thereby qualify as a skilled worker in the occupation, the apprentice shall have experience and training in the following areas and shall demonstrate competency, as specified herein. This instruction and experience shall include the following operations but not necessarily in the sequence given. Time spent on specific operations need not be continuous.

<u>Work Process Description</u>	<u>Approximate Hours</u> (Min - Max)
Perform work safely. A. Follow lockout-tagout procedure. B. Establish a safe workspace. C. Follow confined space entry safety rules. D. Work at heights safely E. Reference applicable federal, state and local electrical codes. F. Wear personal protective equipment. G. Adhere to arc flash safety. H. Use hand and power tools safely.	500
Install mechanical equipment. A. Interpret mechanical drawings and schematics. B. Assemble machine equipment and components. C. Rig loads D. Operate forklifts and powered industrial vehicles. E. Level and align machines. F Complete connections to hydraulic and pneumatic utilities.	1000
Install electrical equipment. A. Interpret electrical schematics. B. Install electrical field devices. C. Construct control cabinets.	1000
Maintain mechanical equipment A. Inspect equipment and components. B. Perform thermography. C. Disassemble equipment. D. Repair hydraulic/pneumatic devices and systems.	1000

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Mechatronics Technician • 02-828261022-02-H
Exhibit A - Program Provisions

E. Rebuild pumps and cylinders.	
F. Maintain mechanical power transmission systems.	
G. Replace mechanical components.	
H. Perform preventive maintenance.	
I. Replace motors.	
Troubleshoot systems.	2000
A. Communicate with operators.	
B. Troubleshoot electrical systems.	
C. Troubleshoot with PLC logic.	
D. Troubleshoot hydraulic/pneumatic systems.	
E. Research solutions to problems.	
Operate machine shop equipment and tools.	650
A. Utilize precision and semi-precision measuring equipment.	
B. Operate grinders.	
C. Operate lathes.	
D. Operate drill presses.	
E. Operate mills.	
F. Operate saws.	
Weld and fabricate parts.	300
A. Bend or shape metal	
B. Perform welds using all processes, positions and materials available to employer.	
C. Use proper safety procedures for handling gasses.	
Maintain automation systems.	1000
A. Maintain vision systems.	
B. Troubleshoot vision systems.	
C. Maintain robotic systems.	
D. Troubleshoot robotic systems.	
Modify devices and systems.	500
A. Modify HMI.	
B. Modify PLC programs	
C. Install/Replace VFDs.	
Maintain documents and records.	200
A. Revise paper or pencil drawings	
B. Use computerized maintenance systems.	
C. Conduct Inventory procurement	
Local Optional Work Processes	986
Paid Related Instruction	864
TOTAL	10000

The above schedule is to include all operations and such other work as is customary in the occupation.

MINIMUM COMPENSATION TO BE PAID:

The apprentice's wage must average no less than 60% of the skilled wage rate during the term of the apprenticeship

DETA-10408-E (R. 02/2023)

State Electrical & Instrumentation Comm • Madison WI
Mechatronics Technician • 02-828261022-02-H
Exhibit A - Program Provisions

(DWD 295.05) The apprentice may not be started at less than the minimum wage.

The base skilled wage rate is N/A per hour.

If the apprentice is covered under a collective bargaining agreement, the wage rate specified by that collective bargaining agreement applies.

If the apprentice is not covered under a collective bargaining agreement, the employer may exceed the base skilled wage rate at their discretion.

An apprentice's rate of pay for overtime shall be increased by the same percentage as the journey worker's rate of pay for overtime is increased in the same industry or establishment.

The base skilled wage rate is N/A per hour.

If the apprentice is covered under a collective bargaining agreement, the wage rate specified by that collective bargaining agreement applies.

If the apprentice is not covered under a collective bargaining agreement, the employer may exceed the base skilled wage rate at their discretion.

An apprentice's rate of pay for overtime shall be increased by the same percentage as the journey worker's rate of pay for overtime is increased in the same industry or establishment.

CREDIT PROVISIONS: The apprentice, granted credit at the start or during the term of the apprenticeship, shall be paid the wage rate of the pay period to which such credit advanced the apprentice.

Work credit hours approved: N/A

School credit hours approved:

Paid related instruction: N/A

Unpaid related instruction: N/A

Total credit hours to be applied to the term of the apprenticeship: N/A

SPECIAL PROVISIONS:

The apprentice must successfully complete the Transition to Trainer course in his or her final year.

The apprentice may be required by the employer to obtain basic First Aid and CPR certifications and maintain them throughout the program.



This summary counts employers and apprentices, between 8/20/2025 and 8/20/2026 with contract status as Active & Unassigned in occupation(s) associated with this committee.

Report is based on apprentice contracts where:
-Contract sector is 'Industrial'.
-Contract occupation code matches a occupation code assigned to committee.
-Contract sponsor is the employer.

Note: Employers active in more than one occupation or committee can cause Column #3 totals at the Committee or State level to deviate from the summed total of the individual occupation or committee rows.

Occupation	Apprentices									Employers				
	Total	Minority		Females		Union		Non-Union		Total	Union		Non-Union	
		#	%	#	%	#	%	#	%		#	%	#	%
1	2	3	3a	4	4a	5	5a	6	6a	7	8	8a	9	9a
Report Total	1,039	153	14.7	26	2.5	439	42.3	607	58.4	331	103	31.1	236	71.3
Electrical and Instrumentation (E & I) Technician (17-3024.00)	235	22	9.4	2	.9	156	66.4	81	34.5	76	37	48.7	40	52.6
Electrical/Instrument Tech (00-0000.00)	2	1	50.0	0	0	0	0	2	100.0	2	0	0	2	100.0
Industrial Electrician (49-2094.00)	419	66	15.8	14	3.3	165	39.4	258	61.6	165	49	29.7	118	71.5
Instrument Mechanic (00-0000.00)	3	0	0	0	0	1	33.3	2	66.7	2	1	50.0	1	50.0
Maintenance Electrician (00-0000.00)	6	1	16.7	0	0	6	100.0	0	0	2	2	100.0	0	0
Maintenance Technician (49-9071.00)	348	58	16.7	8	2.3	115	33.0	234	67.2	143	36	25.2	110	76.9
Mechatronics Technician (49-2094.00)	43	10	23.3	2	4.7	3	7.0	40	93.0	23	1	4.3	22	95.7

Historical Report by Year

Report Period: 2026* and Previous -10 Years

*Current year is YTD data as of Run Date: 08/24/2026		
Run Date: 08/24/2026		
State Electrical & Instrumentation Comm		
Sponsored Trade Group(s): Industrial		
Year	Active Apprentices	Active Sponsors
2016	506	184
2017	529	186
2018	628	220
2019	752	269
2020	821	283
2021	808	289
2022	846	288
2023	842	284
2024	852	292
2025	840	284
2026	823	290

