

TO: Prospective Electrical Power Distribution Students

FROM: Becky Alsup, Dean, Manufacturing, Construction, and Transportation Pathway

RE: Functional Abilities for Electrical Power Distribution

The Federal Americans with Disabilities Act (ADA) bans discrimination of persons with disabilities. In keeping with this law, MATC makes every effort to ensure quality education for all students. However, we feel obligated to inform students of the essential functions demanded by a particular occupation.

The following physical, cognitive and environmental factors are encountered by EPD students in classroom and practicum activities and in the workforce:

PHYSICAL PERFORMANCE STANDARDS

		Never	Sometimes	Frequently	Always	Frequently	Job Essential	
			1-30%	31-75%	76-100%	is per: Day	Yes	No
SPEECH								
	Speak with Clarity					x	x	
	Communicate with Clarity					x	x	
HEARING								
	Conversation					x	x	
	Telephone					x	x	
SIGHT								
	Natural or Corrected					x	x	
	Depth Perception					x	x	
	Color Vision					x	x	

		Never	Sometimes	Frequency	Always	Frequently	Job Essential	
			1-30%	31-75%	76-100%	is pervade	Yes	No
MOBILITY								
	Lift, Push or Pull- 50 lbs.					x	x	
	Shoulder					x	x	
	Arm					x	x	
	Neck					x	x	
	Standing					x	x	
	Move About Facility					x	x	
	Bending					x	x	
	Crawling					x	x	
	Kneeling					x	x	
	Twisting Body					x	x	
	Running		x					x
	Walking					x	x	
	Climbing					x	x	
	Stairs					x	x	
	Ladder					x	x	
	Utility Pole					x	x	
REACHING								
	Overhead					x	x	
	In Front of Body					x	x	
	Down					x	x	
GRASPING								
	Overhead					x	x	
	In Front of Body					x	x	
	Down					x	x	
SITTING						x	x	
SMELLING						x	x	

TASTING		x						x
FINE MOTOR CONTROL								
Hands						x	x	
Fingers/Tactile Sense						x	x	

	Never	Sometimes	Frequently	Always	Frequently	Job Essential	
		1-30%	31-75%	76-100%	is per day		
Wrist					x	x	
COORDINATION							
Eye/Hand					x	x	
Eye/Hand/Foot					x	x	
ALLERGIES							
Tolerance to Latex		x					x

COGNITIVE/MENTAL FACTORS

	Job Essential	
	Yes	No
REASONING		
Deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions	x	
Interpret instructions furnished in oral, written, diagrammatic, or schedule form	x	
Deal with problems from standard situations	x	
Carry out detailed but uninvolved written or oral instructions	x	
Carry out one or two step instructions	x	
MATHEMATICS		
Complex skills - Business math, algebra, geometry or statistics	x	
Simple skills - add, subtract, multiply and divide whole numbers and fractions, calculate time and simple measurements	x	
READING		
Complex skills - Comprehend newspapers, manuals, journals, instructions in use and maintenance of equipment, safety rules and procedures and drawings	x	
Simple skills - Comprehend simple instructions or notations from a log book	x	
WRITING		
Complex skills - Prepare business letters, report summaries using prescribed format and conforming to all rules of punctuation, spelling, grammar, diction and style	x	
Simple skills - English sentences containing subject verb and object; names and addresses, complete job application or notations in a log book	x	

	Job Essential	
	Yes	No
PERCEPTION		
Spatial - ability to comprehend forms in space and understand relationships of plane and solid objects; frequently described as the ability to "visualize" objects of two or three dimensions, or to think visually of geometric forms	x	
Form - ability to perceive pertinent detail in objects or in pictorial or graphic material; to make visual comparisons and discriminations and see slight differences in shapes and shadings of figures and widths and lengths of line	x	
DATA	x	
Synthesizing	x	
Coordinating	x	
Analyzing	x	
Compiling	x	
Computing	x	
Copying	x	
Comparing	x	
PERSONAL TRAITS		
Ability to comprehend and follow instructions	x	
Ability to perform simple and repetitive tasks	x	
Ability to maintain a work pace appropriate to a given work load	x	
Ability to relate to other people beyond giving and receiving instructions	x	
Ability to influence people	x	
Ability to perform complex or varied tasks	x	
Ability to make generalizations, evaluations or decisions without immediate supervision	x	
Ability to accept and carry out responsibility for direction, control and planning	x	

ENVIRONMENTAL FACTORS

	Job Essential	
	Yes	No
Works indoors	x	
Works outdoors	x	
Exposure to extreme hot or cold temp	x	
Working at protected heights	x	
Valid Drivers license and CDL required for employment after completion of program	x	

	Job Essential	
	Yes	No
Being around moving machinery	x	
Exposure to marked changes in temperature/humidity	x	
Exposure to dust, fumes, smoke, gasses, odors, mists or other irritating particles	x	
Exposure to toxic or caustic chemicals	x	
Exposure to excessive noises	x	
Exposure to radiation or electrical energy	x	
Exposure to solvents, grease, or oils	x	
Exposure to slippery or uneven walking surfaces	x	
Working in confined spaces	x	
Using computer monitor	x	
Exposure to vibration	x	
Exposure to flames or burning items	x	
Works around others	x	
Works alone	x	
Works with others	x	
SAFETY EQUIPMENT (REQUIRED TO WEAR)		
Safely glasses	x	
Face mask/face shield	x	
Ear plugs	x	
Hard hat	x	
Protective clothing	x	
Protective gloves	x	
Protective footwear	x	

If you have any questions or wish to discuss further the essential functions required of an EPD Mechanic, please call or email, Instructional Chair Don Hoernke at hoernked@matc.edu and/or, Department Chair Matt Reindl at reindlmd@matc.edu

MATC is an Affirmative Action Equal Opportunity Institution and complies with all requirements of the Americans with Disabilities Act

MILWAUKEE AREA TECHNICAL COLLEGE

X

_____ I have read and I understand the Essential Functions specific to the occupation of EPD Program

__x__ I have the ability to meet the Physical Performance Standards as specified.

EPD Program

_____ Matthew Reindl _____

(Signed)

_____ 4/15/25 _____

(Date)

The Americans with Disabilities Act bans discrimination of persons with disabilities and in keeping with this law, MATC makes every effort to insure quality education for all students. It is our obligation to inform the students of the essential functions demanded by this program and occupation. Students requiring accommodation or special services to meet physical performance standards of the EPD program should contact the Special Needs Department for assistance.

- I require the following accommodations to meet the Physical Performance Standard as specified.

(Signed) _____

(Date) _____

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