

Competency Statements: 46.0303 Lineworker (2025)

Equipment & Tools	Industry Foundations	Energy Industry Fundamentals 2.0	Career Ready Practices*
Identify and demonstrate use of hand and power tools and electrical test equipment in compliance with user manuals and training. A2	Summarize and explain energy business fundamentals. D3	Describe the power of energy, including energy ecosystem, our energy future, technologies that generate electricity, and our generation's energy trends. A1	Refer to the Career Ready Practices tab for standards and performance indicators
Monitor equipment, gauges, dials, etc. for proper functioning, identifies any concerns, troubleshoots causes, and reports to appropriate individuals. D2	Solve mathematical problems commonly encountered in the energy industry. B3	Describe the evolution of energy, including the past, present and future of energy, companies that power America, keeping the grid reliable and safe, and the future of energy companies. A3	Demonstrate <u>problem solving skills</u> consistently and independently
Safety, Health, and Environment	Electrical Theory and Application	Describe our energy system, including the power of transmission system, the power distribution system, natural gas transmission and distribution, and the drive for grid modernization. C1	Demonstrate <u>collaboration skills</u> consistently and independently
Implement personal & jobsite safety skills as recognized by industry standards and governmental agencies, and take corrective action, as needed. B2	Explain the fundamental principles of AC and DC circuits, voltage, current, and resistance. B1	Describe energy careers and concepts in energy, including metering, billing, and rate schedules, distributed generation, electric vehicles and load management, energy justice, and the future of energy. C2	Demonstrate <u>personal management skills</u> consistently and independently
Technical Skills			Demonstrate <u>communication skills</u> consistently and independently
Climb a pole a minimum of 5 feet utilizing proper safety gear and procedures. D1			*Required for ALL CTE programs. Not reported in CTEIS. Monitored through CIP Self-review and TRAC review.
Read and interpret job prints, schematics, work plans and specifications, and produce required reports. C3			

dy Practices are required for ALL Michigan Career and Technical Education programs (reformatted 2022-print one page, landscape)

Problem Solving (PS)	Competency	Collaboration (CL)	Competency	Personal Management (PM)	Competency	Communication (CM)
Demonstrate problem solving skills consistently and independently	CL Competency Statement	Demonstrate collaboration skills consistently and independently	PM Competency Statement	Demonstrate personal management skills consistently and independently	CM Competency Statement	Demonstrate communication skills consistently and independently
Employ valid and reliable research strategies	CL1 Standard	Work productively in teams while using cultural global competence	PM1 Standard	Attend to personal health and financial well-being	CM1 Standard	Communicate clearly and effectively and with reason
Evaluate validity of sources	CL1A	Contribute to every team, whether formal or informal	PM1A	Understand the relationship between personal health, workplace performance and personal well being	CM1A	Communicate thoughts, ideas and action plans with clarity, whether using written, verbal and/or visual methods
Use an informed process to research new information and test new ideas and practices	CL1B	Apply awareness of cultural differences to avoid barriers to productive and positive interaction	PM1B	Act on an understanding to regularly practice healthy diet, exercise, and mental health activities	CM1B	Communicate in the workplace with clarity and purpose to make maximum use of your own and others' time
Discern accepting and using information to make informed decisions	CL1C	Increase the engagement and contribution of all team members	PM1C	Take regular action to contribute to personal financial well-being	CM1C	Write master conventions, word choice and organization, and use effective tone and presentation skills to articulate ideas
Consider the environmental, social and economic impacts of decisions	CL1D	Plan and facilitate effective team meetings (in person and virtual)	PM1D	Recognize that personal financial security provides the peace of mind required to contribute more fully to career success	CM1D	Interact with others; actively listen and speak clearly and with purpose
Understand the interrelated nature of actions and their impact	CL2 Standard	Act as a responsible and contributing citizen and employee	PM2 Standard	Plan education and career paths aligned to personal goals	CM1E	Consider the audience for all communications and prepare accordingly to ensure the desired outcome
Make decisions that positively impact or mitigate negative impact on the environment and others	CL2A	Understand the obligations and responsibilities of being a member of a community and demonstrate this understanding through interactions with others	PM2A	Take personal ownership of educational goals and career goals and regularly act on a plan to attain these goals	CM2 Standard	Use technology to enhance productivity
Be aware of new resources, procedures, technologies, and materials and their impact on the environment, social condition and the organization	CL2B	Be conscientious of the impact of decisions on others and the environment	PM2B	Understand personal interests, preferences, and goals	CM2A	Maximize the productive value of existing and new technology to accomplish workplace tasks and solve workplace problems
Utilize critical thinking to make sense of problems & persevere in solving them	CL2C	Identify the near-term and long-term consequences of actions and seeking to act in ways that contribute to the betterment of the team, family, community, and workplace	PM2C	Display perspective regarding the career pathways available and the time, effort, experience, and other requirements to pursue each, including the path of entrepreneurship	CM2B	Flexible and adaptive in acquiring and using new technology
Recognize problems in the workplace, understanding the nature of the problem and devising effective plans to solve the problem	CL2D	Be reliable and consistent in going beyond the minimum expectations and participating in activities that serve the greater good	PM2D	Recognize the value of each step in the educational and experiential process	CM2C	Proficient with ubiquitous technology applications
Recognize problems as they occur and take action to quickly address the problem	CL3 Standard	Model integrity, ethical leadership and effective management	PM2E	Recognize that nearly all career paths require ongoing education and experience	CM2D	Understand and take actions to prevent or mitigate inherent risks of technology applications both personal and organizational
Investigate the root cause of the problem prior to introducing solutions	CL3A	Consistently act in ways that align to personal and community-held ideals and principles	PM2F	Seek counselors, mentors, and other experts to assist in the planning and execution of career and personal goals		
Carefully consider the options to solve the problem	CL3B	Employ strategies to positively influence others in the workplace				
Follow through with the agreed upon solution to ensure the problem is solved, either by your own actions or that of others	CL3C	Understand integrity and act on this understanding in every decision				
Demonstrate creativity and innovation	CL3D	Use a variety of means to positively impact the direction and actions of a team or organization				
Regularly think of ideas that solve problems in new and different ways	CL3E	Apply insights into human behavior to change others' actions, attitudes and/or beliefs				
Contribute ideas in a useful and productive manner to improve the organization	CL3F	Recognize the near-term and long-term effects that management's actions and attitudes can have on productivity, morale, and organizational culture				
Consider unconventional ideas and suggestions as solutions to issues, tasks or problems and distinguish which ideas will add greatest value						
Seek new methods, practices and ideas from a variety of sources and seek to apply those ideas to the workplace						
Take action on ideas and understand how to bring innovation to an organization						
Apply appropriate academic and technical skills						
Use knowledge and skills to be productive						
Make connections between abstract concepts and real-world applications						
Make correct insights and apply academic skills in the workplace as appropriate						

COLOR KEY

Problem Solving (PS) Standards PS1, PS2, PS3, PS4, PS5
PS Performance Indicators: PS1A-1C, PS2A-2C, PS3A-3E, PS4A-4E, PS5A-5C
Collaboration (CL) Standards CL1, CL2, CL3
CL Performance Indicators: CL1A-1E, CL2A-2D, CL3A-3E
Personal Management (PM) Standards PM1, PM2
PM Performance Indicators: PM1A-1E, and PM2A-2E
Communication (CM) Standards CM1, CM2
CM Performance Indicators: CM1A-1E, CM2A-2D

Source:
<https://careertech.org/career-ready-practices>