Get Into Electric Power

ELECTRICAL POWER ENGINEER

get into energy
MICHIGAN ENERGY WORKFORCE DEVELOPMENT CONSORTIUM

$38 - $59
PER HOUR PLUS BENEFITS

290 ANNUAL JOB OPENINGS
With over 100,000 job openings expected nationwide in the next decade

START YOUR CAREER

1. **EARN A HIGH SCHOOL DIPLOMA OR GED**
   WITH STRONG FOUNDATION IN ALGEBRA, CALCULUS AND PROBLEM-SOLVING SKILLS
2. **GET CREDENTIALS – MARKETABLE SKILLS**
   - ENERGY INDUSTRY FUNDEMENTALS CERTIFICATE
   - BACHELOR'S DEGREE IN A TECHNICAL FIELD SUCH AS ELECTRICAL ENGINEEERING, ENGINEERING TECHNOLOGY, ETC
3. **BEGIN AT ENTRY-LEVEL AND ADVANCE WITH EXPERIENCE**

Michigan's energy industry is robust and innovative, impacting the everyday lives of people across the state. There are opportunities at every level, from entry to senior, for a person to find a job they are interested in and turn it into a career. Discover one of the most essential sectors in energy, with a growing workforce employing hundreds of thousands.

READY TO BEGIN YOUR CAREER IN ENERGY? EXPLORE JOB OPENINGS

www.careersinenergymichigan.com

Learn more about careers in energy at www.careersinenergymichigan.com

General Skills Needed

- Critical thinking
- Problem solving
- Print reading
- Project planning
- Teamwork
- Knowledge and application of new technologies
- Knowledge of legislative and regulatory functions and industry standards
- Troubleshooting
- Communication skills
- New project design
- Development of short- and long-term plans
- Supervisory skills
- Leadership skills

READY TO GET STARTED?

EXPLORE TRAINING PROGRAMS WITH OUR EDUCATION PARTNER ORGANIZATIONS TO GAIN THE TRAINING YOU NEED.

ENTRY-LEVEL

What You'll Do:

Applies professional engineering concepts and methods under experienced guidance, with initial work reviewed for technical soundness and compliance

Creates electrical schematics, performs calculations, conducts simulations, prepares technical reports, and troubleshoots systems

Ensures designs meet safety and performance standards, contributes to prototype development, and assists with work inspection

MID-LEVEL

What You'll Do:

Leads/performs engineering analysis, designs, plans, reviews, and inspects complex/major projects.

Applies advanced engineering concepts to diverse activities, resolves new/unusual problems, and recommends solutions.

Regularly interacts with internal/external leadership to achieve project objectives.

SENIOR-LEVEL

What You'll Do:

Designs, plans, and oversees the implementation of complex electrical systems

Lead project teams and mentor junior engineers

Ensure projects meet safety standards, budgets, and client needs

Manage multiple concurrent projects

*Compensation averages should be used as a guide. Numerous factors impact actual compensation. These estimates do not include overtime, which can be a sizeable addition to base pay. Years of service and training recommendations should also be used as a guide. Company requirements vary.

Note: Some energy companies may require pre-employment testing. Please check the job requirements. These may include an EEI Pre-Employment Test or a Physical Abilities Test.