

# Maintenance Mechanic: Putting STEM To Work

START  
HERE

HIGH SCHOOL DIPLOMA  
OR GED

Six (6) or more  
college courses in  
relevant areas

Completion of formal  
training program or  
equivalent

Completion of formal  
training program, three  
(3) or more year's  
maintenance  
experience, and one (1)  
area of expertise

Pass Pre-Employment Tests (Mechanical aptitude test (hands-on),  
background check, drug screen)

- Completion of technical courses as listed above in required field, 0-2 years of experience

**Maintenance  
Mechanic Third  
or Second Class**

- Completion of technical courses as listed above in required field, 3-6 years of experience

**Maintenance  
Mechanic Second  
or First Class**

- Completion of technical courses as listed above in required field, 6-8+ years of experience
- Area of Expertise<sub>(as demonstrated through work experience and/or certification)</sub>

**Maintenance  
Mechanic First  
Class**

# Biopharmaceutical Manufacturing Maintenance Mechanic:

## What competencies will you need?

Troubleshooting/problem solving, interpersonal communication, action oriented, results oriented, dealing with ambiguity, creativity, learning on the fly, mechanical aptitude, dependability, good attendance

*Note: These positions are bargaining unit positions, and may also be filled internally through the job bidding process. External hires will go through the interviewing process, as well as completion of a mechanical aptitude assessment.*

### STARTING OFF AS Maintenance Mechanic 3<sup>rd</sup> Class:

- Hiring of a third class mechanic requires demonstration of qualifications and energy in performance of duties assigned, as well as the successful completion of a minimum of six (6) courses in the formal training program (or educational equivalent). The formal training program courses (through Kankakee Community College) include:
  - Math 1113 – Technical Math I
  - Eltr 1174 – National Electric Code and Wiring Methods
  - Eltr 1034 – Fluid Power
  - Eltr 1064 – Fundamentals of Electricity
  - Airc 1014 – Air Conditioning and Refrigeration I
  - Eltr 2414 – Industrial Motor Controls
  - BSNS 1603 – Business Communications
  - Airc 1023 – Controls & Circuitry for HVAC
  - Mchn 1214 – Machine Tool I
  - Mchn 1223 – Machine Tool II (optional)
  - Engl 1413 – Fundamentals of Writing OR Bus 2143 – Human Relations in Business
  - Weld 1114 – Basic Welding

### Maintenance Mechanic 2<sup>nd</sup> Class:

- Hiring of a second class mechanic requires demonstration of qualifications and energy in performance of duties assigned, as well as the successful completion of the entire formal training program or educational requirement. The formal training program courses (through Kankakee Community College) include:
  - Math 1113 – Technical Math I
  - Eltr 1174 – National Electric Code and Wiring Methods
  - Eltr 1034 – Fluid Power
  - Eltr 1064 – Fundamentals of Electricity
  - Airc 1014 – Air Conditioning and Refrigeration I
  - Eltr 2414 – Industrial Motor Controls
  - BSNS 1603 – Business Communications
  - Airc 1023 – Controls & Circuitry for HVAC
  - Mchn 1214 – Machine Tool I
  - Mchn 1223 – Machine Tool II (optional)
  - Engl 1413 – Fundamentals of Writing OR Bus 2143 – Human Relations in Business
  - Weld 1114 – Basic Welding

### Maintenance Mechanic 1<sup>st</sup> Class:

- Hiring of a first class mechanic requires demonstration of qualifications and energy in performance of duties assigned, as well as the successful completion of the entire formal training program or educational requirement and a minimum of three (3) year's maintenance experience and one (1) area of expertise. The formal training program courses (through Kankakee Community College) include:
  - Math 1113 – Technical Math I
  - Eltr 1174 – National Electric Code and Wiring Methods
  - Eltr 1034 – Fluid Power
  - Eltr 1064 – Fundamentals of Electricity
  - Airc 1014 – Air Conditioning and Refrigeration I
  - Eltr 2414 – Industrial Motor Controls
  - BSNS 1603 – Business Communications
  - Airc 1023 – Controls & Circuitry for HVAC
  - Mchn 1214 – Machine Tool I
  - Mchn 1223 – Machine Tool II (optional)
  - Engl 1413 – Fundamentals of Writing OR Bus 2143 – Human Relations in Business
  - Weld 1114 – Basic Welding
- Areas of expertise are as follows:
  - Electronics
  - Electricity
  - Refrigeration
  - Machinist
  - Machine Repair
  - Millwright