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**Department:** Trades & Engineering Technologies  
**Faculty Salary Grade:** C

**Reports To:** Dean, Associate

**Additional Duties and Responsibilities:**

- Teach in an open lab environment. Instructor must be able to answer learner questions and provide on the spot learning moments on all Electro-mechanical competencies taught in the Manufacturing Technology Hall. Topics include but not limited to: Pneumatics, Hydraulics, Mechanics, AC/DC fundamentals PLC's and automation devices, HMI's, VFD's, motion systems, 3-phase power systems and machine safety devices and integration.
- Provide educational leadership; work effectively with applicable advisory committees, community groups, faculty, administration, and campus support staff including (CTED) Corporate Training and Economic Development to perform contract work.
- Manage classroom and shop/lab to ensure a productive and safe learning environment.
- Work to provide clear Electro-Mechanical pathways and subsequent partnerships with secondary education. Provide instruction and technical support to NWTC Corporate Training and Economic Development
- One or two individuals on the team may be required to drive the lab truck in a safe and efficient manner.

**Qualifications and Work Experience:**

- A Bachelor's Degree in Electrical or Mechanical Engineering and five years direct occupational experience. At minimum, an Associate degree in Electro-Mechanical, Electrical or Mechanical Engineering Technology or related field and five years of related work experience may be considered with the expectation that the preferred education will be met within an established timeline.
- At a minimum, occupational experience has to have occurred at least 1 year within the last 5 years.
- Experience in an appropriate combination of design and programming/operation of PLC, HMI, VFD, motion, machine safety and other automation systems, and 3-phase power systems OR design and startup of pneumatic, hydraulic and mechanical systems in an industrial environment. Project management experience, and at a minimum Lead Engineer experience.
- Occupational experience may include:
  - Project Engineer
  - Lead Engineer
  - Senior Engineer

**Certificates & Licenses**

One or two individuals on team are required to hold Class A CDL, Combination Vehicle endorsement

**Other Requirements**

Must hold a valid driver's license and be insurable under the districts standard insurance policy terms.

**PHYSICAL DEMANDS****Physical Demands**

		<b>Lift/Carry</b>	
Stand	F (Frequently)	10 lbs or less	F (Frequently)
Walk	F (Frequently)	11-20 lbs	O (Occasionally)
Sit	O (Occasionally)	21-50 lbs	O (Occasionally)
Handling / Fingering	O (Occasionally)	51-100 lbs	O (Occasionally)
Reach Outward	O (Occasionally)	Over 100 lbs	N (Not Applicable)
Reach Above Shoulder	O (Occasionally)	<b>Push/Pull</b>	
Climb	N (Not Applicable)	12 lbs or less	O (Occasionally)
Crawl	N (Not Applicable)	13-25 lbs	O (Occasionally)
Squat or Kneel	O (Occasionally)	26-40 lbs	O (Occasionally)
Bend	O (Occasionally)	41-100 lbs	N (Not Applicable)

**N (Not Applicable)** Activity is not applicable to this occupation.

**O (Occasionally)** Occupation requires this activity up to 33% of the time (0 - 2.5+ hrs/day)

**F (Frequently)** Occupation requires this activity from 33% - 66% of the time (2.5 - 5.5+ hrs/day)

**C (Constantly)** Occupation requires this activity more than 66% of the time (5.5+ hrs/day)

The College has reviewed this job description to ensure that essential functions and basic duties have been included. It is intended to provide guidelines for job expectations and the employee's ability to perform the position described. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This document does not represent a contract of employment, and the College reserves the right to change this job description and/or assign tasks for the employee to perform, as the College may deem appropriate.

NWTC does not discriminate on the basis of age, race, color, disability, sex, gender, sexual orientation, gender identity, national origin or other protected classes.