LAUNCH

APPRENTICESHIP PROGRAM OUTLINE

QUALITY CONTROL TECHNICIAN

WORK PROCESSES & SKILLS

The term of the apprenticeship will be based on the apprentice's completion and on-the-job demonstration of the professional competencies outlined in the work processes. Apprentices must demonstrate competency in a minimum of **87.5%** of the listed competencies prior to completing the program. If training employers identify specific competencies that cannot be tested on the job, the apprenticeship committee will approve and provide instruction and testing that ensures the competencies have been met. Registered Apprentices will perform work and are required to demonstrate competencies in the following skills:

Work Processes & Skills

- Engineering Drawing - Interpret engineering drawings, schematic diagrams, or formulas
- Review customer requirements using the drawings and purchase orders
- Calibration
- Documentation & Record Keeping
- Non-Destructive Testing
- Product Inspection according to Blueprints
- Compilation and evaluation of statistical data to determine and maintain quality and reliability of products
- Reading worker logs, product processing sheets, or specification sheets to verify that records adhere to quality assurance specifications
- Apply statistical quality control procedures to production test data
- Recording and Evaluation of Test Data

REGISTERED WITH:

DIVISION OF APPRENTICESHIP STANDARDS
DAS
STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS

DEPARTMENT OF LABOR
UNITED STATES OF AMERICA

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Apprentices must Complete Coursework Aligned with Manufacturing and/or Machining Technology, Production Technician, and/or Engineering Technology pathways. Through consultation with the Apprenticeship Committee, the Local Education Agency, and the indenturing employer, apprentices will select an applicable program of study/course track and complete a minimum of **144 hours** of related instruction per year of apprenticeship. Prior applicable education and training will be credited towards completion of related education requirements and apprentices will be offered tracks advancing their technical aptitude in the profession.

Related Instruction Content May Include

CALCULUS I	90 HOURS
CALCULUS II	90 HOURS
MECHANICS	108 HOURS
BLUEPRINT READING	54 HOURS
GEOMETRIC DIMENSIONING & TOLERANCING	90 HOURS
COOPERATIVE WORK EXPERIENCE (1-16 UNITS)	

REGISTERED WITH: DIVISION OF APPRENTICESHIP STANDARDS DAS STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS

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