



Richmond County Schools

Dr. Joe Ferrell, Superintendent
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Phone: 910-582-5860

POSITION: **ADVANCED MANUFACTURING I & II AND INTRODUCTION TO TRADE & INDUSTRIAL EDUCATION**

REPORTS TO: Assistant Superintendent of Curriculum and Instruction/Principal

JOB DESCRIPTION:

The CTE Advanced Manufacturing and Trade & Industrial Education Teacher is responsible for delivering engaging, hands-on instruction in manufacturing processes, safety, engineering principles, and industry-standard practices. This role supports students in developing technical, problem-solving and workplace readiness skills aligned to the NC CTE curriculum. The teacher will create an instructional environment that prepares students for further education and entry into high-demand careers in manufacturing and industrial trades.

QUALIFICATIONS:

- Bachelors or Associate's in Manufacturing, Industrial, Electrical, Mechanical Engineering, or related field
- Minimum industry related work experience in production manufacturing
- Ability to obtain Certified Production Technician (CPT) certification within the first year of teaching

ESSENTIAL JOB FUNCTIONS:

- Deliver instruction aligned to NC CTE standards for Advanced Manufacturing I & II and Introduction to Trade and Industrial Education
- Teach core concepts such as safety, quality practices, manufacturing processes, and production maintenance

- Integrate use of industry-relevant tools, machines, and software in classroom and lab activities
- Prepare students for the Certified Production Technician (CPT) certification
- Develop and implement lesson plans that include real-world applications and hands-on learning
- Monitor student progress using assessments, projects, and credential readiness benchmarks
- Manage classroom and lab safety in compliance with local, state, and OSHA regulations
- Collaborate with school counselors, workforce partners, and local industry for student career opportunities
- Maintain inventory and oversee maintenance of lab equipment and materials
- Support career development through CTSO activities and work-based learning experiences
- Differentiate instruction to meet diverse student learning needs and support inclusion
- Maintain accurate records of student achievement, credentials earned, and course participation
- Participate in required professional development including state and district CTE training sessions
- Perform other duties and responsibilities as assigned by supervisor

WORKING ENVIRONMENT:

The usual and customary methods of performing the job's functions require the following physical demands: some lifting, carrying, pushing, and/or pulling; and significant fine finger dexterity. Work in this classification is considered light physical work requiring the exertion of up to 20 pounds of force occasionally and a negligible amount of force frequently or constantly to move objects. Generally, the job requires sitting, walking, and standing. This job is performed in a generally clean and healthy environment.

Employment will require extensive background check.

