

WILLIAM COOPER

6104 Black Pear Lane, Gainesville, GA 30506 Phone: 404.704.4255 Email: william.cooper@materialtec.com

Summary

- Laboratory Manager that oversees operations within a material testing laboratory. Expertise in new product formulation and quality control assessments to ensure compliance with national industry standards and guidelines. Proven leadership in managing laboratory operations to ensure reliable results while maintaining high productivity and proficiency.

Education

Georgia Southern University - Statesboro, GA

Bachelor of Arts, Chemistry, Minor in Anthropology

2013

Work Experience and Accomplishments

Quality Assurance Analyst

2015 to 2018

Quikrete Technical Center – Lawrenceville, GA

Responsibilities:

- Testing a variety of current and new concrete product designs
- Completing test reports for Quality Assurance
- Cleaning and maintenance of laboratory equipment
- Following proper safety procedures and completing safety reports
- Experience using a wide range of machinery and tools associated with the concrete industry
- Conducted demonstrations of products for sales and marketing representatives

Product Development Senior Technician

2018 to 2020

Quikrete Technical Center – Lawrenceville, GA

Responsibilities:

- Training new technicians
- Leader of specialized formulation project – Removing efflorescence from dry cast concrete
- Designed and fabricated equipment to facilitate testing of dry cast concrete
- New design optimizations of current DOT and Commercial grade product lines
- Assisted on Ultra High-Performance Cement project for Georgia Institute of Technology
- Assisted on reformulation of Pumpable Base Coat Stucco and Commercial Grade Non-Shrink Grout
- Projects involved traveling to oversee production at plants and testing materials on site that were produced

Pre-Packaged Materials Laboratory Project Manager

2020 to 2025

SGS TEC Services – Lawrenceville, GA

Responsibilities:

- Supervisor of laboratory and technicians
- Manager of an internal quality control program for a concrete producer
- Testing ASTM Standards that apply to bagged concrete products
- Established use of Microsoft Excel, Word, PowerPoint and Access
- Creating data tables and performing calculations for data sets
- Writing test reports for data evaluation
- Creating formulations for new products
- Concrete mix design and admixture testing
- Maintenance of laboratory equipment

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Laboratory Manager

2025 to Present

Material TEC, LLC – Lawrenceville, GA

Responsibilities:

- Oversee daily operations of the testing laboratory to promote efficient workflow and timely completion of tests.
- Supervise, train, and manage laboratory staff to ensure conformity to testing procedures and safety protocols.
- Coordinate laboratory staff to perform testing
- Maintain and calibrate laboratory equipment to ensure accurate results.
- Review and analyze test data, prepare detailed reports, and provide recommendations based on findings.
- Manage the scheduling of testing for projects to guarantee timely delivery of results to clients.
- Proper documentation of all test results, equipment maintenance, and certifications.
- Implement and enforce safety procedures in the lab to ensure a safe working environment for all personnel.
- Stay updated on the latest advancements in testing methods and industry standards.
- Work with project managers, engineers, and clients to identify testing needs and provide technical support.
- Troubleshoot and resolve any issues related to testing procedures, equipment, or materials.
- Manage inventory of testing materials, chemicals, and supplies.
- Develop and manage the laboratory's budget, including forecasting costs for equipment, materials, supplies, and staff, while ensuring cost-efficiency and resource allocation to meet operational needs.

Affiliations

- Secretary for International Concrete Repair Institute Committee 320 Concrete Repair Materials & Methods
- Member of ASTM Committee C09

Licenses and certifications:

- ACI certification for Aggregate Technician Level 1
- ACI certification for Strength Technician Level 1
- ACI certification for Field Technician Level 1
- Proctor for ACI certification for Field Technician Level 1