

Laboratory Technician Duties and Responsibilities Description

Summary: Position entails the testing of construction materials used in buildings, bridges, highways, airports, and other types of construction projects to ensure that the materials comply with specifications. Laboratory Technicians perform standardized tests on these construction materials prior to, during, and subsequent to the construction phase to verify the materials on the project are in compliance. As a laboratory technician, the employee will be assigned to either the corporate office in Campbell Hall, NY or to a satellite office/project. The majority of this work is performed in the laboratory but may also be performed on projects, production facilities, or suppliers' locations.

Essential Duties and Responsibilities may include the following. Other duties may also be assigned.

- Perform standard testing on materials to ensure the material meets the required specifications
- Obtain and/or prepare samples of materials for laboratory testing.

Concrete/Masonry Testing

Employee will be trained and certified to mix, sample, and test concrete and mortars in a laboratory setting. Testing of these materials occurs during the plastic and hardened states and are needed to support construction activities, which may occur at non-normal times throughout the day or evening to accommodate the construction schedule. Employee will be handling freshly produced concrete and mortars to perform tests for engineering properties.

Certifications/training that you may be eligible for include:

- American Concrete Institute – Concrete Field Testing Technician
- American Concrete Institute – Concrete Strength Testing Technician
- American Concrete Institute – Concrete Laboratory Testing Technician Level 1
- American Concrete Institute – Concrete Laboratory Testing Technician Level 2
- American Concrete Institute – Masonry Laboratory Testing Technician
- NETTCP – Concrete Technician

Soils/Aggregate Testing

Employee will be trained and certified to perform soil testing and sampling procedures in accordance with various Industry standards. This includes the testing of soil, or soil and aggregate combinations, using various ASTM, AASHTO, ACOE, and DOT standardized test methods. Laboratory technicians are assigned multiple tasks to be accomplished each day and therefore must be able to multi task as part of their daily routine. Visual and physical observations are documented and precise test results must be recorded.

Certifications/training that you may be eligible for include:

- American Concrete Institute – Aggregate Testing Technician Level 1
- American Concrete Institute – Aggregate Testing Technician Level 2
- NETTCP – Soils and Laboratory Technician

Expected goals, benefits and knowledge

During the Technician's time with Advance Testing they will be expected to cultivate their communication skills; both written and verbal. Daily, repeated interaction with managers and coworkers will allow the individual to grow more confident in his/her knowledge and position in the industry. You will meet and become familiar with many like-minded young engineering technicians and will likely form long term personal and professional relationships. You may have the opportunity to interface with all levels of Industry professionals, allowing both the potential for mentoring and for networking. After initial training, you will be trained to read and perform standardized test methods in the laboratory. Supervisors will always be present and available to assist and answer questions. Maturity, punctuality, responsibility, professionalism, dependability and the ability to problem solve are all required skills. Technicians will advance existing

capabilities and learn new life skills throughout this experience. Senior staff will train, certify and support the technician throughout the time they are employed here and beyond. Resume strengthening, guidance, and solid personal references are frequently offered to those seeking these advantages.