

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES  
CLASS SPECIFICATION

BREATH ALCOHOL ANALYSIS TECHNICIAN

POSITION CODE: 05170  
Effective: 12-20-01

DISTINGUISHING FEATURES OF WORK:

Under direction, performs regular maintenance, major servicing, calibration and certification of the accuracy of the breath alcohol analysis instruments used by law enforcement officers to test for alcohol intoxication; periodically trains and tests equipment operators leading to their initial licensing and relicensure by conducting practical classes of instruction, administering and scoring alleged written tests and keeping records of properly trained and licensed operators; often provides expert court testimony to support the accuracy of the equipment and its operators; investigates complaints on equipment misuse; occasionally speaks before interested groups to explain the equipment, physiological effects of alcohol, and the implied consent law. New employees receive a six week formalized instruction program and an additional 40-hours of training with breath testing instruments and must taken and successfully complete the instrument operators test and become a licensed equipment operator, and take and pass specialized training courses concerning the maintenance, calibration and certification of the accuracy of new breath-alcohol analysis equipment that is introduced for sale to Illinois police agencies. Technicians must respond to service calls on a 24-hour basis, driving to the field location in an assigned area of the State.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Performs a monthly inspection, testing, calibration and certification of all local law enforcement agency breath analysis equipment to ensure accuracy and precision within prescribed limits.
2. Diagnoses and repairs electronic circuits and mechanical faults in nine different models of breath analysis instruments, using service manuals and bench tools such as an oscilloscope, volt ohm milliammeter and basic hand tools. Locates and removes defective components and solders replacement units onto circuit boards; authorizes vendor repairs where extensive damage necessitates rebuilding of instruments.
3. Conducts four hour classes of specialized instruction and administers written examination for licensing or relicensing police officers as operators.
4. Provides direct assistance to State's attorneys with preparation of data and evidence for prosecution of cases; provides expert testimony in court as to the precision and accuracy of breath testing instruments and the administration of same.
5. Conducts a monthly review of assigned law enforcement agencies arrest record log book of driving-while-intoxicated motorists; issues letters of warning to an agency for inactivity or noncompliance with program standards; follows up with recommendation for retention or reassignment of breath testing equipment.

## BREATH ALCOHOL ANALYSIS TECHNICIAN (Continued)

6. Monitors operation and maintenance of equipment used by law enforcement personnel; investigates complaints from public persons regarding conduct of certified operators; recommends feasibility of relicensing or the revocation of licensed operators involved.
7. Prepares monthly reports of inspections, certifying accuracy or malfunction of equipment; prepares monthly reports of persons arrested and the level of alcohol measured.
8. Speaks to various civic, social, and educational groups to educate the public regarding the use of breath analysis equipment, the physiological effects of increasing levels of alcohol intoxication, the impairment of driving ability and explain the implied consent statute.
9. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

## DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental development equivalent to completion of four years of high school and three years of electro-mechanical, electronic or related field experience and technical training.

Knowledge, Skills and Abilities

Requires knowledge and understanding of rules and regulations established by the Department of Public Health for licensing breath testing operators under the implied consent law.

Requires ability to complete a six week course of didactic instruction and an additional 40-hour training program to obtain an independent working knowledge of the operation, maintenance and repair of breath testing devices and the implied consent statute.

Requires ability to become a licensed test instrument operator.

Requires ability to prepare and present expert court testimony, prepare and maintain records in an effective manner.

Requires ability to communicate both orally and in writing.

Requires ability to organize and present formal instruction in the operation of breath testing equipment.

Requires ability to maintain accurate records for verification of precision and accuracy of devices.

Requires ability to establish and maintain satisfactory working relationships with law enforcement personnel and the general public.

Some positions in this class may require an appropriate valid driver's license and/or an ability to travel.