

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

RESEARCH SCIENTIST II

POSITION CODE: 38232
Effective: 11-1-70

DISTINGUISHING FEATURES OF WORK:

Under direction, performs complex scientific research work in the causes, diagnosis and treatment of mental, somatic, behavioral, aging and social disorders; uses biological, behavioral or other techniques in an institution's or division's multiphasic research program.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Plans and develops new experiments and research studies using complex equipment or methods of investigation.
2. Participates as a lead worker on a research team engaged in scientific investigation of problems related to the causes, diagnosis, treatment or prevention of mental, somatic, behavioral, aging and social disorders.
3. Instructs and interprets purposes, methods and procedures of research projects to research, clinical, technical and other personnel.
4. Directs the establishment of control methods, techniques and procedures as required for specific experimental projects and research studies.
5. Prepares scientific data for research publications or for use in clinical evaluation.
6. Reviews reports of technicians, associates and other personnel; prepares data showing progress and development of study projects.
7. Reviews current domestic and foreign scientific literature applicable to the research's activities and utilizes such data to advance the studies of the program.
8. May intermittently supervise nonprofessional assistants and beginning level Research Scientists in performing tests, recording observations and preparing data for further analysis and interpretation.

RESEARCH SCIENTIST II (Continued)

10. May design and develop new apparatus for experiments.
11. 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 college, supplemented by a master's degree, or admission to Ph.D. candidacy, in either anthropology, biochemistry, chemistry, physiology, psychology, sociology, statistical-mathematical, or related sciences.

Knowledges, Skills and Abilities

Requires extensive knowledge of research in the area of specialization, obtained either during or after graduate training.

Requires working knowledge of relevant scientific literature and the principles of experimental design.

Requires ability to establish problem areas and outline techniques to be followed in research.

Requires ability to plan, organize, direct and teach others difficult analytical procedures.

Requires ability to use specialized equipment and perform difficult scientific experimental procedures.

Requires ability to record complex scientific data, showing progress and development of problems under study.