

Physicist: Sr. Principal Physicist

Conducts research into phases of atomic and molecular, nuclear, solid state, thermal, and other physical phenomena. Develops theories and laws based on observed results of experiments and predicts phenomena based on theoretical considerations in areas of application such as acoustics, electricity and magnetism, electronics, heat, light, mechanics, radiation, optics, and lasers.

Discretion/Latitude

Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work checked through consultation and agreement with others rather than by formal review of superior.

Knowledge, Skills & Abilities

Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Widely recognized for achievements, technical expertise and meritorious standing within professional field. Identifies, analyzes and develop new business opportunities. Establish customer contacts, conducts researches and analysis into their future plans and needs, assists with the development of their specifications, develops proposals, and deliver marketing presentations.

Problem Solving

Work on unusually complex technical problems and provide solutions that are highly innovative and ingenious.

Impact

Develops advanced technological ideas and guides their development into a final product. Erroneous decisions or recommendations would typically result in failure to achieve critical organizational objectives and effect the image of the organization's technological capability. Functions in a program leadership role. Plays a key role in implementing programs/projects and makes significant contributions to department goals and overall functional strategic planning efforts.

Liaison

Serves as organization spokesperson on advanced projects and/or programs. Acts as advisor to management and customers on advanced technical research studies and applications. Often instrumental in attracting and obtaining major new company business.

Minimum Education & Experience

15+ years with BS in Physics, Engineering or related field. Employees usually have advanced degree in field of specialization.