



Supervising Science Research Specialist

Salary Grade: 22

Item Number: PHILSAB-SVSRS-1-2023

Division: Spacecraft Payload and Communications Systems Development Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: 3 years of relevant experience

Training: 16 hours of relevant training

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Under direction, supervise the programs and activities on spacecraft payload systems (sensors and instruments) development;
- 2) Support the Division Chief in formulating the technical and administrative plans and targets of the Division, especially in terms of spacecraft payload systems;
- 3) Review the design of spacecraft payload systems and provide recommendations accordingly;
- 4) Assess and validate the spacecraft payload systems for its readiness for assembly, integration and testing as well as for flight mission and operation, likewise initiate technical publications and patent applications whenever applicable;
- 5) Integrate activities to accomplish desired results through effective planning, direction, coordination and control;
- 6) Report to the Division Chief the accomplishments and progress on spacecraft payload systems;
- 7) Develop and/or contribute to divisional policies and internal directives;
- 8) Participate in scientific conferences, seminars and discussions for scientific advancement;
- 9) As may be assigned, perform the duties and responsibilities of the Division Chief in his/her absence; and
- 10) Perform other duties of a regular or special nature as may be assigned from time to time.

Applicants who have all or any of the following background are encouraged to apply:

Educational Background:

- Bachelor's or post-graduate degree in engineering or sciences, such as Aerospace Engineering, Electronics Engineering, Applied Physics, Mechanical Engineering, or other allied fields

Experience and Training Background:

- Remote sensing technology
- Optical, opto-electrical (including front-end electronics) and opto-mechanical engineering
- Passive and active sensors and instruments
- Instrumentation engineering

Competencies:

- Proactive and capable of performing lead roles in research and development (R&D) projects.
- Thorough, pays close attention to detail, and strives to achieve accuracy and consistency in all tasks.
- Develops and maintains positive work relationships with others.
- Manages time effectively, prioritizes tasks, develops systems, and leads the team in achieving set goals.

- Exercises engineering creativity, resourcefulness, and practicality in approaching tasks.
- Proficient in any combination of the following: Matlab, Python, optical design software (e.g., Zemax), finite element analysis software (e.g., Ansys Mechanical), PCB design software (e.g., Eagle, Altium), hardware description language/s for FPGA programming
- Familiarity or proficiency in a mechanical CAD software (e.g., Solidworks) is a plus



You may Scan this QR Code or Access the link below to build your PhilSA Application Profile

bit.ly/SVSRS-1