



Science Research Specialist I

Salary Grade: 13

Item Number: PHILSAB-SRAS1-26-2020

Division: Spacecraft Payload and Communications Systems Development Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: None required

Training: None required

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Under general supervision, perform design, development, prototyping, and verification/testing of sensors, instruments, and modules for spacecraft payload systems;
- 2) Assist in designing and developing simulation tools for spacecraft payload systems.
- 3) Contribute to the research and development activities on spacecraft payloads and other relevant topics;
- 4) Contribute to the research dissemination and publication activities on spacecraft payloads and other relevant topics;
- 5) Prepare the technical specifications of goods and services for procurement and/or manufacturing/fabrication requirements;
- 6) Monitor progress and prepare status reports on on-going programs, projects, and activities;
- 7) Attend seminars, symposia and other structured gatherings related to advanced space S&T and other areas of concern related to development; and
- 8) 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 degree in engineering and sciences such as in Aerospace Engineering, Electronics Engineering, Electrical Engineering, Mechanical Engineering, Physics, Applied Physics, or other allied fields.

Experience Background:

- Experience in programming software such as MATLAB or Python
- Knowledge in remote sensing technologies and techniques for earth observation missions
- Background in 3D modelling and digital electronics for optical systems

Competencies:

- Skill in designing, developing, and testing optical systems (e.g. camera, telescopes)
- Must be willing to learn and acquire diverse skills over different fields.
- Thorough, pays close attention to detail, and strives to achieve accuracy and consistency in all tasks.
- Develops and maintains positive work relationships with others.
- Enthusiastic towards the advancement of space technology in the Philippines.



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