



Science Research Specialist II

Salary Grade: 16

Item Number: PHILSAB-SRAS2-27-2020

Division: Spacecraft Payload and Communications Systems Development Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: 1 year of relevant experience

Training: 4 hours of relevant training

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Under general supervision, perform design, prototyping and/or development of modules for payload systems and/or communications systems;
- 2) Generate test plans for payload systems and/or communications systems, and participate in the assembly integration and testing (AIT) from module to system level;
- 3) Prepare the technical specifications of goods and services for procurement and/or manufacturing requirements;
- 4) Perform critical administrative functions for the Division as may be required, such as but not limited to providing inputs to financial requirements, planning of activities, coordination with stakeholders among others;
- 5) Monitor progress and prepare status reports on ongoing programs, projects, and activities;
- 6) Provide team leadership as may be assigned in projects and other internal research 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, or other allied fields.

Experience & Training Background:

Relevant experience or training in any or all of the following:

- Designing, developing, and testing RF/communications systems
- Electromagnetic analysis software (e.g., ANSYS HFSS, FEKO and CST)
- RF/microwave circuit design and analysis software
- Satellite design and development
- Designing, developing, testing and integrating payload and/or communications systems for spacecraft (e.g., optical, multispectral, hyperspectral, radiometry, radar, communications, etc.)

Competencies:

- Proactive and takes prompt action to accomplish tasks and meet goals and objectives in a timely manner.
- Thorough, pays close attention to detail, and strives to achieve accuracy and consistency in all tasks.
- Develops and maintains positive work relationships with others.
- Willingness to learn and acquire diverse skills over different fields.
- Proficient in any of Embedded C, Matlab or ECAD Design and Layout Software
- Familiarity or proficiency in a mechanical CAD software is a plus



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