



Information Technology Officer II

Salary Grade: 22

Item Number: PHILSAB-ITO2-23-2020

Division: High Performance Computing and Information Systems 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 the direct supervision of the Division Chief, act as the section chief and assist in integrating and coordinating research programs;
- 2) Participate in scientific conferences, seminars, and discussions for Space Science and Technology Applications (SSTA) advancement;
- 3) Initiate and evaluate SSTA projects;
- 4) Develop divisional policies and internal directives;
- 5) Provide guidance and assistance in programming and budgeting SSTA programs;
- 6) Review and evaluate status reports of on-going research;
- 7) Supervise the establishment and maintenance of the Agency's High Performance Computing Facility;
- 8) Ensure maximum operational uptime for the Agency's archiving and distribution systems;
- 9) Facilitate the management of the Agency's networks and distribution platforms;
- 10) Facilitate the development of visualization platforms for access and distribution of space data;
- 11) Manage the day to day operations of the Agency's High Performance Computing facility;
- 12) Coordinate with internal and external partners for their computing, data access and visualization and network security requirements;
- 13) Spearhead the conduct of research and development in data archiving and distribution systems as well as the strategic Research & Development (R&D) in secure network systems;
- 14) Plan, coordinate, and implement security measures for the Agency's computing platforms; and
- 15) Perform the duties and responsibilities of the division chief and other duties of regular and special nature, as assigned.

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

Educational Background:

- Master's degree in Geomatics Engineering, Computer Science, Information Technology and other allied fields

Experience:

- Experience in managing and operating HPC facilities is a plus.
- Previous work in drafting and implementing policies, particularly in technology-driven environments, would be advantageous.
- Experience with cluster management and job scheduling systems like SLURM is a plus.
- Cybersecurity certifications are a plus.

Competencies:

- Familiarity with programming languages commonly used in HPC environments (e.g., C/C++, Python, Fortran) and parallel computing frameworks (e.g., MPI, OpenMP, etc.)



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