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Defence Scientist (Amended)

[Share this page](#)**Reference number:** DND17J-014083-000060**Selection process number:** 17-DND-EA-ADMST-413852

National Defence - Defence Research & Development Canada
Suffield (Alberta), Dartmouth (Nova Scotia), Downsview (Ontario),
Ottawa (Ontario), National Capital Region - Other locations (Ontario),
Gatineau (Québec), Valcartier (Québec), National Capital Region - Other
locations (Québec)

DS-03 - DS-04 - DS-05. The rate of pay on initial appointment shall be a
rate consistent with the appointment level and assessed state of
professional development. <https://www.tbs-sct.gc.ca/pol/doc-eng.asp>
\$68,678 to \$128,620

For further information on the organization, please visit [National Defence](#)

[Defence Research & Development Canada](#)

[@DRDC RDDC](#)

[LinkedIn](#)

Closing date: N/A

Who can apply: Persons residing in Canada and Canadian citizens
residing abroad.

[Apply online](#)

Important messages

When you apply to this selection process, you are not applying for a specific job, but to an inventory for future vacancies. As positions become available, applicants who meet the qualifications may be contacted for further assessment.

Duties

Research scientists perform their work in pursuance of departmental mandates in order to attain specified outcomes and to conceptualize, identify, formulate and set in motion new outcomes in delivering programs, meeting the future needs of the department.

Work environment

Defence Research and Development Canada (DRDC) is the national leader in defence and security science and technology. As an agency of Canada's Department of National Defence (DND), DRDC provides DND, the Canadian Armed Forces (CAF) and other government departments as well as public safety and national security communities the knowledge and technological advantage needed to defend and protect Canada's interests at home and abroad. DRDC is comprised of eight research centres across Canada. The agency comprises 1400 employees.

Positions to be filled: 12

Information you must provide

Your résumé.

A covering letter in 9,999 words (maximum)

You must meet all essential qualifications in order to be appointed to the position. Other qualifications may be a deciding factor in choosing the person to be appointed. Some essential and other qualifications will be assessed through your application. It is your responsibility to provide appropriate examples that illustrate how you meet each qualification. Failing to do so could result in your application being rejected.

In order to be considered, your application must clearly explain how you meet the following (essential qualifications)

Graduation from a recognized post-secondary institution with a Master's degree or higher in one or more of the following disciplines, or another relevant discipline:

Anthropology, Applied Human Physiology, Biomechanics, Biomedical Science, Commerce, Computer Science, Criminology, Economics, Education, Epidemiology, Ergonomics, Engineering (i.e., Industrial Engineering, Systems Engineering, Human Factors Engineering, Mechanical Engineering), Geography, Health Science, History, International Relations, Kinesiology/Exercise science, Law, Linguistics, Management Science, Medical Science, Organizational Science, Political Science, Psychiatry, Psychology, Social Work, Sociology.

Areas of Expertise:

Mental Health & Operational Stress Injury

- Clinical or Counseling Psychology
- Positive Psychology
- Psychiatry

Physical Performance & Resilience

- Quantitative physiology
- Molecular biology
- Immunology
- Chronobiology
- Kinesiology
- Biomechanics
- Environmental physiology

Human Behaviour

- Behavioural Psychology
- Psychometrics and individual differences
- Industrial-Organizational Psychology
- Engineering Psychology
- Environmental Psychology
- Neuroscience
- Perception and Psychophysics
- Education and Training

- Cognitive Science

Social & Cultural Behaviour

- Socio-Cultural Anthropology
- Ethnography
- Criminology & Deviance
- Political Sociology
- Defence Studies
- Intelligence Studies
- National Security Studies
- Advertising
- Organizational Research and Analysis
- Sociolinguistics

Modeling and Simulation

- Human Performance Modeling
- Human Behaviour Representation
- Team Modeling and simulation
- Systems Modeling and simulation
- Intelligent Systems
- Artificial Intelligence
- Modeling and Simulation for training
- Digital Human Modeling

Human-Technology Integration

- Human factors engineering
- Human-centred design
- Intelligent Adaptive Interfaces, Intelligent Agents
- Augmented Cognition and Brain-Machine Interfaces
- Human-automation / Human-robot interaction
- Human-machine / human-computer interfaces
- Virtual reality, augmented reality, mixed reality
- Cyber Security
- Applied Anthropometry
- Ergonomics

Analysis and Analytics

- Media Analytics

- Big data Analytics
- Visual Analytics
- Market Research

Degree equivalency

E1. Experience developing and executing a research project to completion.

E2. Experience with data gathering and analysis techniques meeting the standards of one or more of the areas of education or expertise listed above.

E3. Experience writing peer-reviewed publications in one or more of the areas of education or expertise listed in the statement of merit criteria.

The following will be applied / assessed at a later date (essential for the job)

Various language requirements

Information on language requirements

K1. Knowledge of the principles and application of quantitative or qualitative methods and associated analytical techniques relevant to the area of expertise.

A1. Ability to use judgment and creativity to deal with scientific or technical challenges.

A2. Ability to work both independently and as a member of a team.

A3. Ability to effectively communicate scientific concepts, both orally and in writing.

A4. Ability to adapt to evolving demands and requirements.

PS1. Effective Interpersonal skills

PS2. Dependability

PS3. Initiative

PS4. Consultative

PS5. Team player

PS6. Interest in conducting applied research on behalf of the Canadian military and public security.

The following may be applied / assessed at a later date (may be needed for the job)

Doctoral or Post-doctoral training in a relevant discipline carried out at a recognized university, research institute or government laboratory.

Degree equivalency

AE1. Experience managing or working as part of multi-disciplinary research teams.

AE2. Experience formulating, proposing, conducting, and managing human sciences research and development projects.

AE3. Experience working with the military.

AE4. Experience undertaking applied science on behalf of and reporting results and recommendations to clients (industrial, commercial, government etc.)

AE5. Experience building formal partnerships with external academic or other research organizations to share the work being carried out for a project.

AE6. Experience working in a project management environment.

AE7. Experience preparing statements of requirements for research to be delivered by contract.

AK1. Knowledge of the ethical issues associated with human sciences research as evidenced by experience writing successful research protocols.

AK2. Knowledge of military client needs , defence scientific programs or current defence technology.

Willingness to travel.

Willingness to work overtime.

Short-term mobility is expected to various locations within and outside of Canada throughout your career as a Defence Scientist by accepting assignments, working on committees, and special projects.

Conditions of employment

Secret security clearance - DND is responsible for conducting the security assessment procedures.

Other information

The Public Service of Canada is committed to building a skilled, diverse workforce reflective of Canadian society. As a result, it promotes employment equity and encourages candidates to indicate voluntarily on their application if they are a woman, an Aboriginal person, a person with a disability or a member of a visible minority group.

The Public Service of Canada is also committed to developing inclusive, barrier-free selection processes and work environments. If contacted in relation to a job opportunity or testing, you should advise the Public Service Commission or the departmental official in a timely fashion of the accommodation measures which must be taken to enable you to be assessed in a fair and equitable manner. Information received relating to accommodation measures will be addressed confidentially.

Preference

Preference will be given to veterans and to Canadian citizens, in that order.

Information on the preference to veterans

We thank all those who apply. Only those selected for further consideration will be contacted.

Contact information

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Apply online

Date modified:

2018-05-10