SPORT SCIENTIST CANADA

HPC Discipline-Specific Criteria

Scientific Pre-requisite

All HPC Levels: Practitioner, Senior, Leader

Description:
The minimal educational criteria (degrees, diplomas, certificates, professional registration), required for HP Certification are listed below as per each discipline. These will be verified via your resume during the pre-assessment process.

Instructions:

- Select the scientific discipline you practice in the HP sport environment
- Ensure you meet all standards listed and include these in your current resume for submission
- The discipline criteria are standardized across the 3 levels of certification

Note: In order to be eligible for HPC, you must ALSO meet the minimum HP experience criteria at the level you wish to apply. For HP experience criteria please visit the SSC Website.

Athletic Therapy

- Bachelor or Masters Degree
  - Health Science Athletic Therapy - BaHSc(AT) **OR**
  - BA or BSc Kinesiology, Human Kinetics, Physiology + Certificate in AT **OR**
  - Bachelor of Athletic & Exercise Therapy **OR**
  - Masters in Athletic Therapy
- Registered with Canadian Athletic Therapy Association (CATA)
- Registered with Provincial Athletic Therapy Association

Biomechanics

- MSc or PhD in Kinesiology, Physics, or equivalent
- Educational focus in biomechanics or motor learning

Chiropractic

- Canadian Memorial Chiropractic College Degree (DC)
- BSc or MSc in Human Kinetics, Kinesiology, Physiology or equivalent
- Fellow of the Royal College of Chiropractic Sports Sciences - RCCSS(C)

Data Science

- MSc or PhD in Statistics, Computer science, Engineering, Physics, Mathematics, Data Science and Analytics. *An equivalent graduate degree will be considered if you have completed a Bachelor degree in Data Science
- Education in applied statistics, interfacing with databases, statistical modeling, machine learning, and/or high-performance computing

Recommended: affiliated with a professional association for statisticians, computer scientists, or data scientists

Engineering

- MSc or PhD in Engineering
- Educational focus in sport, equipment, or exercise

Massage Therapy

- Registered Massage Therapy (RMT) Diploma
- Registered with Canadian Sport Massage Therapy Association (CSMTA) as Sport Fellow (CSMTASF)

Medicine

- Medical Degree (MD)
- Competence requirement:
  - Family Physicians: Certificate of Added Competence (from CCFP (SEM) **and** Diploma in Sport & Exercise Medicine (Dip. Sport Med.) from the Canadian Academy of Sport and Exercise Medicine (CASEM)
  - Emergency Medicine, Orthopedic Surgery, Physical Medicine and Rehabilitation: Area of Focused Competence (AFC) in Sport & Exercise Medicine from Royal College of Physicians and Surgeons of Canada (RCPSC)* **and** Diploma in Sport & Exercise Medicine (Dip. Sport Med.) from the Canadian Academy of Sport and Exercise Medicine (CASEM)
  - Psychiatry: ISSP Certificate of Additional Training in Sport Psychiatry
- Registration requirement:
  - Physicians: Registered Sport Medicine Physician with Canadian Academy of Sport and Exercise Medicine (CASEM)
  - Psychiatrists: Registered with Royal College of Physicians and Surgeons of Canada (RCPSC) or with Provincial College

**For eligible Royal College Physicians that were certified before 2017, equivalent AFC experience in Sport and Exercise Medicine will be reviewed on a case-by-case basis*

**For Psychiatrists who are not an employee of an NSO or CSI and work on a referral basis with Olympic/Paralympic and NextGen athletes: a reference letter signed by the Chief Medical Officer from an NSO or CSI can be included in lieu of a letter from an HPD or Performance Director*

Nutrition

- MSc or PhD in Kinesiology, Human Kinetics, Physiology, Nutrition, **OR** BSc in Nutrition + IOC sport nutrition diploma
- Educational focus in sport nutrition
- Registered with the Provincial College of Dieticians

Physiology

- MSc or PhD in Physiology, Human Kinetics, Kinesiology
- Educational focus on Exercise Physiology

*Recommended: Clinical Exercise Physiologist (CEP) **OR** Certified Personal Trainer + CSEP HP Specialization and Registered Physiologist with the Canadian Society for Exercise Physiology*

Physiotherapy

- BSc or MSc Physiotherapy
- Sport Physiotherapy (SPC) Diploma
- Registered with Sport Physiotherapy Canada (SPC)

Psychology (Mental Performance Consultants, Psychologists, Psychotherapists or Counsellors)

- MSc, MA or PhD in Kinesiology, Psychology, Clinical or Counselling Psychology
- Educational focus in sport
- Registration requirement:
    - MPCs: Professional Member of the Canadian Sport Psychology Association (CSPA)
    - Psychologists: Registered with Provincial/Territorial College or Association of Psychologists
    - Psychotherapists or Counsellors: Registered with Canadian Counselling and Psychotherapy Association (CCPA) or with Provincial/Territorial College or Association of Psychotherapists or Counsellors

Strength & Conditioning

- MSc or PhD in Biomechanics, Physiology, Human Kinetics, Kinesiology or equivalent
- Educational focus on physical training processes and preparation for sport
- NSCA Certified Strength and Conditioning Specialist (CSCS) or equivalent

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Candidates outside the above discipline categories can submit a request for review by the HPC Committee. You must meet the following criteria to be considered:

- Obtained a graduate degree from an accredited University or College in a scientific discipline
- Maintain a scope of practice clearly defined by university or college standards, and/or by the discipline's national/provincial Association standards to work in sport and exercise
- Can articulate your clearly defined role on an integrated support team for an HP sport (Olympic, Paralympic, and NextGen athlete pool) in Canada
- Utilize or conduct scientific research to make evidence-based decisions in the HP sport environment