

## HEC Montréal - [PhD in Logistics and Operations Management](#)

### Call for Applications

HEC Montréal invites promising students with outstanding academic record to apply for the **PhD Program in Logistics and Operations Management**.

The application deadline is **January 7, 2023** for the September 2023 cohort.

You are invited to attend an **on-line information webinar** about the HEC PhD program on **September 28, 2022**. After this webinar you can talk to Prof. Raf Jans, the representative of this PhD specialisation. Registration is required:

- [Session in English at 8am \(EDT\)](#) (Indicate '[Logistics and Operations](#)' as your option)
- [Session in French at 10am \(EDT\)](#) (Indicate '[Gestion des Opérations et de la Logistique](#)' as your option)

We invite all applications, but we are actively looking for PhD candidates with an interest in the following fields:

- Supply Chain Analytics (machine learning applications)
- Applied Optimization in Logistics and Operations (production and distribution planning, vehicle routing, network design, etc. using exact and heuristic algorithms, decomposition approaches, stochastic optimization,...)
- Humanitarian Logistics
- Healthcare logistics
- Logistics in the agricultural and food industry
- Empirical research in Supply Chain Management (purchasing, logistics, ...)
- Service Operations Management

For a general overview of our program, please visit [our website](#). If you have specific questions about our PhD in Logistics and Operations Management, please contact the professor in charge of the PhD specialisation in Logistics and Operations Management ([raf.jans@hec.ca](mailto:raf.jans@hec.ca)).

### **RESEARCH ENVIRONMENT.**

We have a dynamic research community of 19 professors focusing both on applied operations research (in the field of vehicle routing, supply chain analytics, production and distribution planning, network design, healthcare and humanitarian logistics, agrifood logistics, ...) and empirical research (Healthcare operations management, Purchasing management, Supply chain and transportation management, Service Operations Management, Operations strategy, Humanitarian logistics, ...). More information on the professors in our department, including their research interests and publications, can be found [on this website](#).

Students will also have the opportunity to become a part of leading research and knowledge transfer centres:

- Group for Research in Decision Analysis ([GERAD](#))

- Interuniversity Research Centre on Enterprise Networks, Logistics and Transportation ([CIRRELT](#))
- The Institute for Data Valorization ([IVADO](#))
- Health Care Management Hub, HEC Montréal ([Pôle Santé HEC Montréal](#))
- Supply Chain Forum, HEC Montréal ([Carrefour Logistique](#))
- Four Research Chairs and one professorship :
  - [Canada Research Chair in Supply Chain Analytics](#)
  - [Canada Research Chair in Humanitarian Supply Chain Analytics](#)
  - [Research Chair in Logistics and Transportation](#)
  - [Research Chair in Supply Chain Operations Planning](#)
  - [Professorship in Clean Transportation Analytics](#)

HEC Montréal is a centre of excellence in logistics and operations management, with world-renowned professors in this field. Our PhD students publish their research in top-tier journals, including:

- Operations Research
- INFORMS Journal on Computing
- Transportation Science
- Omega
- International Journal of Production Economics
- European Journal of Operational Research
- Computers & Operations Research

### **STRUCTURE OF THE PROGRAM.**

HEC Montréal's PhD program is offered in partnership with three other Montréal universities (Concordia University, McGill University, and UQAM). This means that students benefit from a rich offering of courses and a large body of expertise. PhD students in Logistics and Operations Management take a minimum of 7 PhD courses (see the [structure](#)). The program can be followed **completely in English**. The PhD program is a full-time program only.

**FINANCIAL SUPPORT.** In terms of financial support, PhD students in Logistics and Operations Management are guaranteed [annual funding varying between \\$ 20 000 and \\$ 25 000 and exemption for tuition fees](#) over four years, once they have started their courses in their major. This includes the funding from the School's PhD program and is subject to the funding conditions of the program. The school provides also an additional \$5,000 to allow PhD to present their research at conferences.

**HOW TO APPLY.** The application deadline for the fall 2023 admission is **January 7, 2023**. Please visit the [PhD Program admission website](#).

**REQUIREMENTS.** Candidates must hold a Master's level degree, with a strong academic record from a recognized university. Typical applicants hold an undergraduate and/or a master's degree in related disciplines (business administration, engineering, applied mathematics, etc.).

The Admission Committee will carefully review every application, which must include the following documents:

- Grade transcripts from all universities attended
- Entrance test: you need to do one of the following test:
  - GMAT (no minimum, average score of recently admitted candidates is 690)
  - GRE (no minimum, average score of recently admitted candidates is 690)
  - TAGE-MAGE (in French) (minimum of 283 required)
- Proof of Advanced English proficiency (e.g., TOEFL, IELTS), or French proficiency
- Three letters of recommendation, preferably from professors
- Statement of purpose for applying to the PhD program in Logistics and Operations
- Curriculum Vitae

The GRE will be converted to an equivalent GMAT score using the [following tool](#).

For the language test, a level of '[Advanced level](#)' is required in English or French. For TOEFL, the PhD program requires a minimum of 100.

For detailed instruction on the application procedure and the required supporting documents, please visit the [PhD Program admission website](#).

Admissions are decided on a competitive basis. The number of yearly admissions is limited to keep the program small and encourage personal interactions between students and faculty. Selection of the candidates is only done once we have received all the applications, and it is mainly based on the academic excellence of the student, the fit with the research interests of our professors and the availability of funding and time from the professors. This selection is very competitive. We only consider applicants who have submitted a complete application file.