

Call for Applications to HEC Montréal's joint Ph.D. program

HEC Montréal invites students with outstanding academic record to apply to one of two PhD program specializations: **Logistics and Operations Management** or **Management Sciences**. The application deadline is January 1, 2021 for the September 2021 cohort.

PhD in Logistics and Operations Management

- This specialization is designed for PhD candidates with an interest in the following fields:
 - Supply Chain Analytics
 - Applied Optimization in Logistics and Operations (production and distribution planning, vehicle routing, network design, ...)
 - Service Operations Management
 - Healthcare logistics
 - Humanitarian Logistics
 - Empirical research in Supply Chain Management (purchasing, logistics, ...)
- For a general overview of our program, please visit [our website](#).
- If you have specific questions about this specialization, contact Raf Jans (raf.jans@hec.ca).

PhD in Management Sciences

- This specialization is designed for PhD candidates with an interest in the following fields:
 - Business analytics
 - Combinatorial optimization
 - Dynamic optimization
 - Game theory
 - Energy modelling and policy
 - Stochastic and Robust optimization
- For a general overview of our program, please visit [our website](#).
- If you have specific questions about this specialization, contact Erick Delage (erick.delage@hec.ca).

WEBINARS

- The PhD office will organize a webinar providing general information about our PhD program. You can register using the following links. Please indicate 'Logistics and Operations Management' or 'Management Science' as the specialisation of your choice:
French: October 27, 12h-13h : <https://futur.hec.ca/programmes-phd-webinaire>
English: October 28, 12-13h : <https://futur.hec.ca/programs-phd-webinar>

RESEARCH ENVIRONMENT.

The two specializations offer a dynamic research community of 30 professors focusing on methodological, applied, and empirical research. More information on the professors involved in these specializations, including their research interests and publications, can be found on these websites ([Logistics and Operations Management](#), [Management Sciences](#)).

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

- Group for Research in Decision Analysis ([GERAD](#))
- Interuniversity Research Center 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](#))
- Several Research Chairs :
 - [Canada Research Chair in Supply Chain Analytics](#)
 - [Research Chair in Logistics and Transportation](#)
 - [Research Chair in Supply Chain Operations Planning](#)
 - [Canada Research Chair in Decision Making under Uncertainty](#)
 - [Energy Sector Management](#)
 - [Game Theory and Management](#)

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

- Operations Research
- Management Science
- INFORMS Journal on Computing
- International Journal of Production Economics
- Computers & Operations Research
- Transportation Science
- Omega
- European Journal of Operational 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 or in Management Sciences take a minimum of 7 PhD courses (see the [structure for Logistics and Operations Management](#); see the [structure for Management Sciences](#)). 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 or Management Sciences 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.

HOW TO APPLY. The application deadline for the fall 2021 admission is January 1, 2021. Please visit the [PhD Program admission website](#).

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
- GMAT or GRE official score, or TAGE-MAGE for francophone students.
- Proof of 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

For the GMAT, a minimum of 640 is required. The GRE will be converted to an equivalent GMAT score using the [following tool](#).

For the language test, an 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.