

HEC MONTRÉAL

2026-2027 OFFICIAL DESCRIPTION

SHORT GRADUATE
PROGRAMS
(DOCTORAL LEVEL)

This document is the official version of the program as of June 2026.

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1. GENERAL INFORMATION

1.1. Program Details

The short graduate programs (doctoral level) offered through the PhD in Administration program are designed for individuals who hold a graduate diploma (Master or MBA) and wish to pursue an even more advanced understanding of management in their field.

These programs allow individuals admitted to HEC Montréal to take doctoral-level courses that are relevant to their careers without being enrolled in the PhD program.

Courses are offered during the day, and mainly in fall and winter terms.

1.1.1. Number of Credits

Short graduate programs (doctoral level) comprise 9 credits and lead to an attestation.

1.1.2. Full-time and Part-time Studies

Regular students enrolled in a short graduate program (doctoral level) are considered to be part time.

1.2. Specializations

In the specialization phase of the short graduate program (doctoral level), students focus their studies and work on a field of specialization. The following 5 specializations are offered at HEC Montréal:

1. Operations and Logistics Management
2. Management Science
3. Data Science
4. Information Technology
5. User Experience

1.3. Program Objectives

Short graduate programs (doctoral level) are coherent paths of study through which students gain highly advanced knowledge in specialized fields of management science.

1.4. Related Office

PhD Program Office.

2. ADMISSION CRITERIA

2.1. Basic Admission Criteria for Regular Students

To be admitted to the short graduate programs (doctoral level), students must have completed graduate-level studies in management or a related field.

2.2. Admission Criteria for Regular Students

Applicants seeking admission as a regular student must meet the following requirements:

- a) Hold a master's degree in a field related to the intended program or a degree deemed equivalent by the program office
- b) Have earned a GPA of at least 3.0 out of 4.3, or the GPA required by the issuing university to be admitted to a doctoral-level program, if higher.
- c) Have intermediate-advanced proficiency in French or in English, as stipulated in the [Regulation on Language Requirements at HEC Montréal](#).

2.3. Admission to the PhD Program and Course Recognition

A student who has passed one or more courses in a short graduate program (doctoral level) and who has been admitted to the doctoral program (admission is not automatic) can have those courses credited toward their PhD specialization. Courses will be recognized in accordance with the PhD program structure in effect at the time of admission and in keeping with the [Policy on the Recognition of Acquired Competencies](#).

3. PROGRAM CONTENT

3.1. Structure

The structures of short graduate programs (doctoral level) are presented in the appendix of this document.

3.1.1. Progress

Students must complete the short graduate program (doctoral level) within three years of being admitted to the program.

3.2. Academic Funding

Students are not funded by the program.

4. OTHER REGULATIONS IN FORCE

Students must adhere to the following regulations:

- HEC Montréal's Academic Rules and Regulations
- Regulation on Student Intellectual Integrity
- Regulation on Language Requirements at HEC Montréal
- Regulation Regarding Students' Statement of Account
- Regulation on the Use of Information Resources.

They must also review the following policies that apply to them:

- Politique sur la protection des renseignements personnels des étudiants de HEC Montréal (policy on the confidentiality of personal information for students of HEC Montréal)
- Policy on Recognition of Acquired Competencies by HEC Montréal
- Politique de la qualité de la communication de HEC Montréal (policy on the quality of communications at HEC Montréal)
- Policy on Ethical Conduct for Research Involving Humans
- Policy for the Responsible Conduct of Research

Appendix – Structures of the Specializations for the Short Graduate Programs (Doctoral Level)¹

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¹The official structures are available on the website hec.ca.

SHORT GRADUATE PROGRAM (DOCTORAL LEVEL) IN USER EXPERIENCE

STRUCTURE OF THE SHORT GRADUATE PROGRAM – 9 CREDITS

SPECIALIZATION SEMINARS

3 seminars among the following:

- TECH 80723A Human-Computer Interaction
- TECH 80747A Information Technologies and Neuroscience
- MARK 80108A Online Consumer Marketing
- MATH 80667A Experimental Designs and Statistical Methods

SHORT GRADUATE PROGRAM (DOCTORAL LEVEL) IN LOGISTICS AND OPERATIONS MANAGEMENT

STRUCTURE OF THE SHORT GRADUATE PROGRAM – 9 CREDITS

COMPULSORY SEMINARS

2 seminars

OPER 80565A Operations Management Seminar: Fundamental Concepts, Theories and New Perspectives

OPER 80567A Special Topics in Operations and Supply Chain Analytics

ELECTIVE SEMINAR

1 seminar

One doctoral-level course offered by HEC Montréal, subject to approval by the academic advisor for the program.

SHORT GRADUATE PROGRAM (DOCTORAL LEVEL) IN DATA SCIENCE

STRUCTURE OF THE SHORT GRADUATE PROGRAM – 9 CREDITS

SPECIALIZATION SEMINARS

3 seminars among the following:

MATH 70611	Méthodes avancées en exploitation de données
MATH 70630	IA Responsable
MATH 80601A	Bayesian Modeling
MATH 80621A	Survival and Longitudinal Data Analysis
MATH 80627A	Complex Networks Analysis
MATH 80636A	Special Topics in Data Science
MATH 80648A	Deep Learning II

SHORT GRADUATE PROGRAM (DOCTORAL LEVEL) IN MANAGEMENT SCIENCE

STRUCTURE OF THE SHORT GRADUATE PROGRAM – 9 CREDITS

SPECIALIZATION SEMINARS

3 seminars among the following:

MATH 80617A	Topics in Pricing Models
MATH 80618A	Sample Efficient Optimization
MATH 80624A	Quantitative Risk Management Using Robust Optimization
MATH 80627A	Complex Networks Analysis
MATH 80634A	Special Topics in Management Science
MATH 80655A	Large-Scale Optimization Models and Applications
MATH 80680A	Dynamic Optimization in Management
MATH 80685A	Game Theory

SHORT GRADUATE PROGRAM (DOCTORAL LEVEL) IN INFORMATION TECHNOLOGY

STRUCTURE OF THE SHORT GRADUATE PROGRAM – 9 CREDITS

COMPULSORY SEMINARS

2 seminars

TECH 80721A Special Topics in Information Technology

TECH 80728A Strategic Management of IT

SPECIALIZATION SEMINAR

1 seminar among the following:

TECH 80722A Information Systems

TECH 80724A Research Methods in IT

Or any other doctoral-level specialization courses that are deemed relevant, subject to approval by the academic advisor for the program.