



Department of Mathematics and Industrial Engineering



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE

Welcome Session for New Students Graduate Studies – Fall 2023



1



2



3

Welcome to everyone !



**POLYTECHNIQUE
MONTRÉAL**

UNIVERSITÉ
D'INGÉNIERIE

1. *Fabiano Armellini, CPÉS Industrial Engineering (masters')*
2. *Mohamed-Salah Ouali, CPÉS Industrial Engineering (microprograms; DÉSS and PhD)*
3. *Sébastien Le Digabel, CPÉS mathematics*

AGENDA

- 12 h 35
- Beginning of the Welcome presentation
 - Welcome from the Director of the department, Prof. Yuvin Adnarain Chinniah
 - Brief presentation of MAGI's graduate programs coordinators
 - MAGI Department
 - Your contacts
 - Programs and specializations
 - Your study path
 - Some important guidelines and regulations
- 13:10
- A few words from your association representatives
- 13:20
- Sharing experience with two students
 - Questions
- 13:30
- End of the presentation



THE DEPARTMENT

- ❑ **55** professors plus **10** teaching faculty members
- ❑ More than **150** lecturers
- ❑ **425** graduate students
- ❑ **20** research units and infrastructures (research chair, institutes, centres, labs, groups,...)
- ❑ **43** graduate studies programs
- ❑ About **140** graduate courses
- ❑ Around **560** undergraduate students
- ❑ Teaching of all undergraduate courses in mathematics, human and social sciences (12 undergraduate programs)
- ❑ about **30 %** of all courses at Polytechnique



YOUR CONTACTS ...

□ Student affairs coordinators :

Suzanne Guindon



Research-based and
professional Masters' programs
magi-es@polymtl.ca

Melisa Regalado



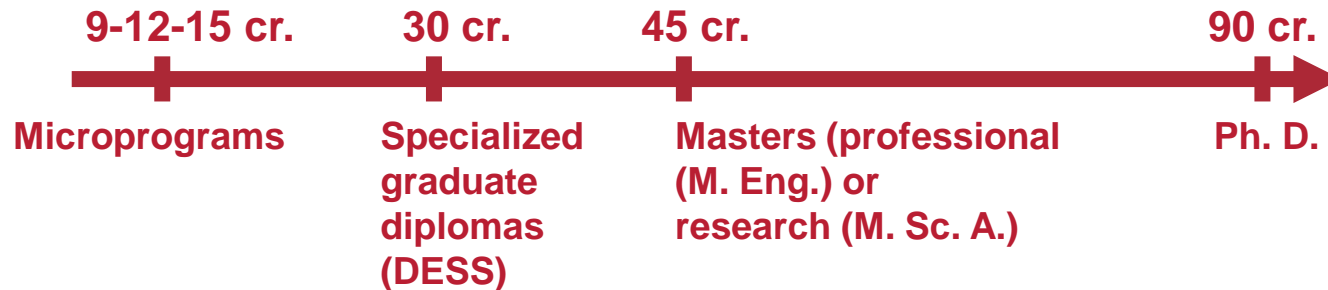
Microprograms
DESS; PhD
magi-es@polymtl.ca

YOUR CONTACTS...

- ❑ Student affairs **coordinators**
- ❑ Your research/academic **supervisor**
- ❑ Student affairs **administrators**
- ❑ Graduate programs **coordinators** (*coordonnateur des programmes d'études supérieures (CPÉS)*)
 - ★ *Fabiano Armellini, industrial engineering (masters)*
 - ★ *Mohamed-Salah Ouali, industrial engineering (microprograms; DESS, PhD)*
 - ★ *Sébastien Le Digabel, mathematics*
- ❑ Department **director** : Yuvin Adnarain Chinniah



GRADUATE STUDIES – TYPES OF PROGRAMS



- ❑ Microprograms = 9 – 12 – 15 course credits
- ❑ DESS (Gr. Dipl.) = 30 course credits
- ❑ Professional Masters(M. Eng.) = 30 to 39 course credits + project/internship
 - ★ *with options: mandatory module + specialization module + project/internship*
- ❑ Research Masters (M. Sc. A.) = 15-16-17 course credits + 30 res. credits
- ❑ Ph. D. = 15 course credits (max 27 credits) + 75 research credits
- ❑ Possibility of « cotutelle » of doctoral thesis



AREAS OF SPECIALIZATION

□ Industrial engineering

★ Design and management of logistics systems, supply chains, e-logistics, operational logistics issues; Economics of public procurement, technological choices of public organizations; Ergonomics for physical and mental work, evaluation and design of workstations and machinery, occupational health and safety and industrial safety; Governance and management of technology projects; New product and service development; Innovation economics, innovation management; Economics of science and technology; Internationalization of business and technology; Reliability, equipment maintenance, data analysis; Risk and resilience engineering; Robotics, automation, physical and computer simulation, production planning and control systems, information systems, sustainable development; Service engineering (logistics, transport, health); Sustainable development, sustainable production and circular economy; Technology entrepreneurship.

□ Mathematics

★ Operations research, Probability and statistics, Mathematical engineering, Data engineering and analytics, Scientific computing and digital analysis.



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE



BACK-TO-SCHOOL ESSENTIALS

<https://www.polymtl.ca/rentree/en/back-school-essentials>



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE

YOUR STUDY PATH (TO DO!)

	Microprograms, prof. masters and DESS	Research Masters	PhD
<i>See Moodle : « Code de conduite – Études supérieures – GO-Poly » Mandatory 45-minute training "Combating sexual violence"</i>	X	X	X
Study plan (and changes to the plan)	X	X	X
Registration and course selection every term (online student record - dossier étudiant)	X	X	X
Courses off campus	<i>Possible; see procedure</i>		
Tuition and fee payment (every term)	X	X	X
Research topic and timetable		X	X
Comprehensive exam			X
Committee composition		X	X
Submission of the thesis		X	X
Presentation/Defense		X	X



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE



YOUR STUDY PATH

Check your emails (polymtl.ca)

plan_etudes_2cycle.pdf
94 KB

PROCÉDURE-Inscription_Cours Hors établissement_BCI.pdf
837 KB

PROCEDURE-Application_Inter-University Transfer_BCI.pdf
1 MB

English message below

Bonjour,

Tout d'abord, toutes nos félicitations pour votre admission dans l'un de nos programmes (*Maîtrise recherche en génie industriel*) pour le trimestre d'automne 2023. La majorité des cours magistraux seront donnés en présentiel.

1. Formulaire « [plan d'études](#) » joint.

a) Lien pour votre programme :

<https://www.polymtl.ca/programmes/programmes/maitrise-professionnelle-ou-recherche-en-genie-industriel>

b) Veuillez entrer en contact avec votre directrice de recherche en c.c. à ce courriel pour établir votre plan d'études et discuter de l'aide financière qui pourrait vous être accordée.

c) Ensuite, lorsqu'il sera rempli et signé, merci de me le faire parvenir via mon courriel.

2. Cliquez sur le lien [dossier étudiant](#) pour faire a) votre inscription et b) votre choix de cours :

a) **Période d'inscription par Internet : 8 août au 12 septembre**

b) **Période de modification du choix de cours par Internet : 9 août au 12 septembre**
(seulement les cours offerts à la Polytechnique)

S'il manque de place dans un cours, veuillez adresser un courriel à maji-es@polymtl.ca à compter du 5 septembre 2023 ;

3. Inscription cours hors établissement L'inscription à un [cours hors établissement](#) s'effectue par l'entremise du site du Bureau de coopération interuniversitaire (BCI) : <https://www.bci-qc.ca/aehe/>
(Cours extérieurs de Polytechnique, comme cours de langue ou autre cours);

4. Horaire des cours : <https://www.polymtl.ca/programmes/cours/horaire?cycle=ES>

Notez que les cours débutent le lundi 28 août 2023.

5. Journée d'accueil – **Jeu**di 31 août 2023 à 12 h 30 – **Salle B-311 et merci de confirmer votre présence via le lien suivant** : https://docs.google.com/forms/d/e/1FAIpQLScDWM107QeGjZRogPo7RcFon9FRv3Jh4XLuZy18y8YSFPg1jw/viewform?usp=sf_link



YOUR STUDY PATH (EXAMPLE)

REGISTRARIAT

PLAN D'ÉTUDES AU 2 ^E CYCLE				
Nom :		Prénom :		Matricule :
DESS <input type="checkbox"/> M.Ing. <input type="checkbox"/> M.Sc.A. <input type="checkbox"/>			Programme :	
Option ou orientation :				
Directeur d'études ou de recherche :				
Codirecteur :			Codirecteur :	
STRUCTURE DU PROGRAMME				
<p>L'étudiant doit déposer son plan d'études dûment rempli au secrétariat des études supérieures de son département. <i>Tout candidat admis à un programme d'études supérieures doit, avant sa première inscription ou au plus tard avant le dernier jour de modification de choix de cours de son premier trimestre d'études, faire approuver son plan d'études.</i> (Règlements généraux des études supérieures, article 6.1)</p>				
DESCRIPTION DES ACTIVITÉS ACADÉMIQUES REQUISES DANS LE CADRE DU PROGRAMME D'ÉTUDES				
Cours obligatoires ¹				
Institution	Trimestre	Sigle	Titre	Crédits



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE



ACADEMIC / RESEARCH SUPERVISOR

Together, you discuss:

- ❑ Your study plan (*the number of courses may vary!*)
- ❑ Your project or research topic
- ❑ The composition of the thesis committee
- ❑ The industrial internship if applicable
- ❑ The funding opportunities

Your main counselor!



FUNDING OPPORTUNITIES



www.polymtl.ca/aide-financiere/

- Graduate scholarships
 - *NSERC, FRQ (NT-SC), CRSH, IRSST ...*
 - *Programme de bourses d'excellence pour étudiants étrangers (PBEEE) du FQRNT (pour étudiants au doctorat ou postdoctorat)*
- Industrial scholarships (NSERC, FQRNT, industry)
- MITACS programs
- Admission scholarships (for NSERC or FQRNT holders)
- Exemption from differential tuition fees for international PhD students
- Scholarships offered by foundations, professional orders, etc.
- Supervisors grants and research contracts
- Loans and bursary programs - Quebec government
- Teaching courses or labs, tutoring
 - Examination invigilation
- Research or industrial internships



REGULATIONS (1)

Time limitation (in number of terms)

	Average	Max	Extension
DESS	2 - 3	12 full time (4 years)	3
Professional masters	4 - 6	15 full time (5 years)	3
Research masters	4 - 6	6 full time (2 years)	2
PhD	8 - 11	15 full time (5 years)	3



REGULATIONS (2)

GPA to maintain

❑ **DESS and microprograms**

After completing 9 credits **of mandatory courses**, you must maintain an average GPA of **2.5** in order to continue your studies.

The GPA required for graduation is **2.75**.

❑ **Masters and PhD**

After completing 9 credits **of mandatory courses**, you must maintain an average GPA of **2.75** in order to continue your studies.

The GPA required for graduation is **3.00**.

❑ **PhD international students (*except French and Belgian students*)**

After completing 9 credits **of mandatory courses**, you must maintain an average GPA of **3.00** in order to keep your exemption from differential tuition fees.



REGULATIONS (3)

- ❑ The masters project report (6, 9, 12 or 15 credits) no more grade, the mention will be « **pass of fail** »
- ❑ The internship report (professional masters) (12 credits) no more grade the mention will be « **pass of fail** »
- ❑ Masters and PhD thesis is not graded, it is either accepted or rejected by the committee.
- ❑ You are allowed **only one failure**; the course should be as soon as possible with the approval of the research supervisor (**automatic for professional programs**).
- ❑ It is essential that you pay your tuition fees on time, otherwise your access (login, etc.) will be removed.



REGULATIONS (4)

FRENCH COURSES FOR INTERNATIONAL STUDENTS ADMITTED ON THE BASIS OF THE ENGLISH TEST IS ORDER TO OBTAIN THEIR DIPLOMA

Research masters students, (art. 55 e))

Doctoral students (art. 77.1)

- have successfully completed a French as a second language course at a university or,
- have successfully completed a course in a francization program recognized by the Government of Quebec or,
- have demonstrated that they meet the admission requirements on the basis of knowledge of French.
- The language course should be added to the study plan.



ADDITIONAL INFORMATION (1)

- ❑ The **engineer title** (ing.) can only be held and used by the OIQ members
- ❑ During research activities, you must comply with regulations from Polytechnique's **Ethics Committee** (CER)
- ❑ Polytechnique Montréal has a clear policy, regulations and sanctions on **plagiarism**. You are invited to consult the information (<https://www.polymtl.ca/plagiat/en>)



ADDITIONAL INFORMATION (2)

- SST6000 Health and safety workshop
 - ★ **Mandatory** for all (except microprograms) ; duration : 3 h
 - ★ Imposed in the first semester

 - 2 research masters workshops (1 credit per workshop; not counted toward the 45 masters credits)
 - ★ **Mandatory.** CAP7002 or CAP7002E should be taken in the 2e semester at the latest (4 sessions of 3 h)
 - ★ **Mandatory.** CAP7005 or CAP7005E should be taken in the 2e semester at the latest (4 sessions of 3 h)

 - 4 supplemental doctoral training workshops (1 credit per workshop; not included in the 90 credits)
 - ★ **Mandatory,** CAP7003 ou CAP7003E mandatory in the first semester (4 sessions of 3 h)
 - ★ + 3 other workshops need to be completed before the comprehensive exam
-
- SSH0345 – Pratique du français écrit
 - ★ 3 credits (3 – 0 – 6)
 - ★ Strongly advised for all those that have difficulties in
 - ★ Not counted toward the program's credits
 - ★ Section 1: Monday 18:30 to 21:30 – room B-405



ADDITIONAL INFORMATION (3)

- Modification of course selection :
August 9 to September 12, 2023
- Deadline to drop a course (without fees) :
September 12, 2023
- Deadline to drop a course (grade R with fees) :
November 5, 2023

Check your @polymtl.ca emails !

You may redirect your emails (@polymtl.ca) to another address (ex.: hotmail, gmail, etc.); refer to the options in your [online student record \(dossier étudiant\)](#).



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE



A WORD FROM YOUR STUDENT ASSOCIATION REP.

- Few words from your Association, Zahra Zare, delegee from MAGI



Polytechnique Graduate Student
Association



SHARING EXPERIENCE

- Joliann Morissette, PhD student in Industrial Engineering



- Enzo Gabriel Nascimento Domingos, PhD student in Industrial Engineering



QUESTION PERIOD



**POLYTECHNIQUE
MONTREAL**

UNIVERSITÉ
D'INGÉNIERIE

COCKAIL DE BIENVENUE TONIGHT AT 17:00 !

Your student association, members of management and your department have a friendly welcome and networking cocktail in store for you.

SCHEDULE : Thurday, August 31 at 17:00 to 20:00

WHERE : Atrium Lorne-M. Trottier, 3^e étage des pavillons Lassonde



AÉCSP



***We wish you a great experience at
Polytechnique Montreal!***



suzanne.guindon@polymtl.ca
melisa.regalado@polymtl.ca
Magi-es@polymtl.ca



514 340-4711
4201 or 7234



FOLLOW US !



<https://www.facebook.com/polymtl.magi/>