

# ICI, LES IDÉES DE GRANDEUR SONT PERMISES

IGEE.CA



The Institute of Electrical Power Engineering (IEPE) regroups nine universities and sixteen industrial partners, including Hydro-Québec, who cooperate to provide a comprehensive training program that will meet the present and future needs of the power engineering industry.

### Training program

The program is open to students in the regular Electrical Engineering program only. All students must take (or have taken) five courses from the following list, for a total of 15 credits. Of the five required courses, two must be taken in French and two in English.

	IEPE Courses	McGill Courses
Compulsory courses	<p><b>IGEE 401</b> Power Electronic Systems (3 crédits)</p> <p><b>IGEE 402</b> Power Systems Analysis (3 crédits)</p> <p><b>IGEE 405</b> Systèmes électromécaniques (3 crédits)</p>	<p><b>ECSE 465</b> Power Electronic Systems (3 credits)</p> <p><b>ECSE 464</b> Power Systems Analysis 1 (3 credits)</p> <p><b>ECSE 462</b> Electromechanical Energy Conversion (3 credits)</p>
Technical electives	<p><b>IGEE 404</b> Commande des processus industriels (3 crédits)</p> <p><b>IGEE 407</b> Comportement des réseaux électriques (3 crédits) (Prérequis: IGEE 402, IGEE 405)</p> <p><b>IGEE 408</b> Électricité industrielle (3 crédits)</p> <p><b>IGEE 409</b> Protection des réseaux électriques (3 crédits) (Prérequis: IGEE 402)</p> <p><b>IGEE 410</b> Appareillage électrique et matériaux (3 crédits) (Prérequis: IGEE 402)</p>	<p><b>ECSE 404</b> Control Systems (3 credits)</p> <p><b>ECSE 467</b> Comportement des réseaux électriques (3 crédits) (Prerequisite: IGEE 402, IGEE 405)</p> <p><b>ECSE 468</b> Électricité industrielle (Industrial Power Systems) (3 cr.)</p> <p><b>ECSE 469</b> Protection des réseaux électriques (3 credits) (Prerequisite: IGEE 402)</p> <p><b>ECSE 460</b> Appareillage électrique (Electrical Power Equipment) (3 credits) (Prerequisite: IGEE 402)</p>

### Scholarships

Hydro-Québec and industrial partners offer each year up to 25 scholarships, valued from \$2,500 to \$5,000, to selected IGEE students.

### Eligibility criteria

To be considered in September 2011, the applicant must:

- Be registered in the B.Eng. Program (regular Electrical Engineering);
- Hold Canadian citizenship or permanent resident status;
- Have a cumulative GPA of at least 2.50 out of 4.30;
- Have completed or be registered in ECSE 361 – Power Engineering;
- Complete the degree requirements at the end of 2012 Winter, Summer or Fall terms;
- Agree to follow the curriculum requirements set out.

### Deadline for 2011-2012 application

March 30, 2011

### For further information and application form

Department of Electrical and Computer Engineering, McGill University



INSTITUT  
EN GÉNIE  
DE L'ÉNERGIE  
ÉLECTRIQUE

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UNIVERSITÉ CONCORDIA

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UNIVERSITÉ MCGILL

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UNIVERSITÉ DU QUÉBEC À CHICOUTIMI

UNIVERSITÉ DU QUÉBEC À RIMOUSKI

UNIVERSITÉ DU QUÉBEC À TROIS-RIVIÈRES



ABB

AECOM



ALSTOM

AOPER  
Association québécoise de la production  
d'énergie renouvelable

BBA

BPR

Cegertec

CIMA

SYME  
INTERNATIONAL T&D

DESSAU



Schneider  
Electric

SNC-LAVALIN

VOITH