

CIISE MEng WEB REGISTRATION

MASTER OF ENGINEERING (MEng) PROGRAM

NOTE: *On-line registration is available to MEng students only. For Program Requirements, see Sections 2 and 3, below.*

1. **ADVISING INFORMATION FOR ON-LINE REGISTRATION**

- Go to the MyConcordia Portal and make a link to Registration. Follow the instructions.
- Link to School of Graduate Studies On-Line Registration Advising.

MEng Students Registering On-Line are allowed to:

- Register for courses IN CIISE ONLY.
- Register for 6000 and 7000 level courses only.
- Register for a maximum of 3 courses (12 credits) per term (**NOTE:** It is recommended that new international students register for a maximum of 2 courses in their first semester.)
- Full-time students may register for 8 to 12 credits per semester. Part-time students may register for 4 to 8 credits per semester.

Prior Departmental Permission (see CIISE Department Contacts) is required for:

- Registering for courses without the listed prerequisites.
- INSE 6961 1-credit Seminar – when you are ready to submit your final work.
- Registering for ENGR 6991 MEng Project.
- Registering for ENCS 6931 Industrial Training (9-credit Elective Option).
- Registering for Courses Outside of the Department.
- Registering a course for Audit.

You will be BLOCKED from registering if you have:

- An **Academic Block** – if your GPA is below 3.00, you have an F grade on record, or more than one C grade on record. Permission to Register is required. Go to EV 7.641 or EV 7.639.
- An **Accounts Block** – You have an outstanding balance of fees due. Go to the Birks Student Service Centre in LB-185.
- A **CAQ Block** – your Study Permit has expired. Go to the International Students Office in H-653.

CIISE Department Contacts:

Silvie Pasquarelli, Graduate Program Coordinator
graduate@ciise.concordia.ca 514-848-2424 ext. 5367 Room EV 7.641

Mireille Wahba, Graduate Program Coordinator
graduate@ciise.concordia.ca 514-848-2424 ext. 2418 Room EV 7.641

2. PROGRAM REQUIREMENTS

Requirements for Completion (MEng – Information Systems Security)

- **Credits.** A fully qualified candidate is required to successfully complete a minimum of 45 credits. Additional credits may be required in some cases.
- **Courses.** Students must take a total of 45 credits of course work at the 6000 or 7000 level.

The breakdown of the 45 credits is as follows.

- Twenty credits of **CORE** courses (INSE 6110, 6120, 6130, 6140, 6150) from topic area E69.
- Twenty-five credits of 6000 or 7000 numbered courses from any topic area from departments within the Gina Cody School of Engineering and Computer Science. Students shall only take one of the courses (INSE 6961, ENGR 6991, ENCS 6931) from topic area E63.

E69 Topic Area: Information Systems Security

Please consult the Graduate Calendar for a full list of these courses (Course Description)

Requirements for Completion (MEng – Quality Systems Engineering)

- **Credits.** A fully qualified candidate is required to successfully complete a minimum of 45 credits. Additional credits may be required in some cases.
- **Courses.** Student must take a total of 45 credits of course work at the 6000 or 7000 level, including a minimum of 36 credits chosen from the Concordia Institute for Information Systems Engineering graduate courses.

The breakdown of the 45 credits is as follows:

- Twelve credits of CORE courses (INSE 6210, INSE 6220, INSE 6230) from topic area E68.
- A minimum of 24 credits of program elective courses from topic areas E66, E67, E68, E69, and E70.
- A maximum of 9 credits of courses from other topic areas in the Engineering Courses section. Returning students shall only take one of the courses (ENCS 6931, ENGR 6991, INSE 6961 from topic area E68.

E68 Topic Area: Quality Systems Engineering

Please consult the Graduate Calendar for a full list of these courses (Course Description)

***For information on the Industrial Experience go to the program website

***Link to Engineering Courses section of the Graduate Calendar

3. TOPIC AREAS in the Concordia Institute for Information Systems Engineering

E63 – PROJECT, REPORT AND INDUSTRIAL TRAINING

ENCS 6931 Industrial Stage and Training
ENGR 6991 Project and Report III
INSE 6961 Graduate Seminar in Information and Systems Engineering

E66 – SYSTEMS ENGINEERING

INSE 6311 Sustainable Infrastructure Planning and Management Systems
INSE 6400 Principles of Systems Engineering
INSE 6411 Product Design Theory and Methodology
INSE 6421 Systems Integration and Testing
INSE 6431 Ad Hoc Wireless Networks: Architectures and Protocols

E67 – 3D GRAPHICS AND INTELLIGENT SYSTEMS

INSE 6510 Video Game Technology and Development
INSE 6530 3D Graphics and Computer Animation for Game Design

E68 – QUALITY SYSTEMS ENGINEERING

INSE 6210 Total Quality Methodologies in Engineering
INSE 6220 Advanced Statistical Approaches to Quality
INSE 6230 Total Quality Project Management
INSE 6240 Executive Communication
INSE 6250 Quality Methodologies for Software
INSE 6260 Software Quality Assurance
INSE 6270 Quality-Based Systems Engineering
INSE 6280 Quality Assurance for Systems Engineering
INSE 6290 Quality in Supply Chain Design
INSE 6300 Quality Assurance in Supply Chain Management
INSE 6310 Systems Engineering Maintenance Management

E69 – INFORMATION SYSTEMS SECURITY

INSE 6110 Foundations of Cryptography
INSE 6120 Crypto-Protocol and Network Security
INSE 6130 Operating Systems Security
INSE 6140 Malware Defenses and Application Security
INSE 6150 Security Evaluation Methodologies
INSE 6160 Database Security and Privacy
INSE 6170 Network Security Architecture and Management
INSE 6180 Security and Privacy Implications of Data Mining
INSE 6190 Wireless Network Security
INSE 6610 Cybercrime Investigations
INSE 6620 Cloud Computing
INSE 6630 Recent Developments in Information Systems Security
INSE 6640 Smart Grids and Control System Security
INSE 6650 Trusted Computing

E70 – INFORMATION SYSTEMS ENGINEERING

INSE 6100 Advanced Java Platforms
INSE 6320 Risk Analysis for Information and Systems Engineering
INSE 6441 Applied Game Theory and Mechanism Design
INSE 7100 Design and Analysis of Security Protocols
INSE 7110 Value Added Service Engineering in Next Generation Networks
INSE 7120 Advanced Network Management