MASc Computer Engineering

Theodore Norvell

Electrical and Computer Engineering,

Memorial University

The Program

3 Preliminary courses

6 Core courses

2 Linked project courses

3 Elective courses

The Program

Preliminary courses -- Fall

- ☐ 3861 Digital Logic
- ☐ 3891 Fundamentals of Programming
- ☐ 6861 Computer Architecture

Intended to ensure all students have at least a minimal background in 3 areas of computer engineering.

The Program

Core courses – Winter

- ☐ 9865 Adv. Digital Systems – requires 3861

- ☐ 9867 Adv. Computing Concepts – requires 3891

The Program

Core courses -- Spring

- ☐ 9861 Advanced Computer Architecture – requires 6861
- ☐ 9871 Information Theory and Coding

The Program

Core courses – Fall

- ☐ 9874 Software Design and specification – requires 3891
- ☐ 9876 Advanced Computer Networks

The Program

Project courses

☐ 980 A/B Computer Engineering Project

One project done individually over two semesters.

Do part A in your second last semester

Do part B in your final semester

The Program

3 Elective courses

☐   Availability varies throughout the year.

☐ Listed in the calendar.

☐ Other courses can be done *with prior permission*. Talk to the advisor.

Typical timeline

Term	Courses
Fall 2018	ENGI 3861 Digital Logic
	ENGI 3891 Programming
	ENGI 6861 Architecture
Winter 2019	ENGI 9867 Computing Concepts
	ENGI 9865 Adv. Digital Logic
	Elective
Spring 2019	ENGI 9861 H.P. Computer Arch.
	ENGI 9871 Inf. Theory & Coding
	Elective
Fall 2019	9874 Software Spec & Design
	9876 Adv. Data Networks
	980A Project
Winter 2020	Elective
	980B Project

Program Advisor

☐ Provides advice to

- ■ Students.
- ■ Admissions committee.
- ■ Dept. ECE and FEAS Committee on Graduate Studies.

Program Advisor

Theodore Norvell.

theo@mun.ca -- best way to reach me.

Office EN-3064

Office hours: TBA

Drop in: Any time I'm in and not too busy.

Come to me first for academic advice.

Other people in the Faculty

- ☐ Cheng Li: Department Head
- ☐ Faisal Khan: Associate Dean
- ☐ Jinghua Nie: Manager of international programs
- ☐ Donna Bonnell: Clerk for international programs

How to succeed in the program

- ☐ Attend every lecture, lab, and tutorial.
- ☐ Don't be content to "follow" the course.
- ☐ Stay ahead of your courses.
- ☐ Read ahead in the text book.
- ☐ Do assignment questions from the book.

How to succeed in the program

- ☐ Do past midterms and exams if available.
- ☐ Schedule study time for each course.
- ☐ Ask questions of the instructor.
- ☐ Do all work yourself. Don't collaborate with friends on assignments. (Except for test cases.)
- ☐ Talk to me at the first sign of trouble.

How to succeed in the program

☐ Aim for a mark of at least 80

☐ You need a mark of 65 or more to pass a course

☐ If you get less than 65, the course must be repeated (electives may be replaced)

☐ Less than 65 in three courses will mean your program will be terminated.

How to succeed in the program

- ☐ It is ok to take longer than the minimum 5 semesters.
- ☐ Talk to me before dropping any course.

Resources on Campus

- International Student Advising Office
  - Corte Real Building
  - https://www.mun.ca/mmap/ethno_grad_programs/isa/
- Student Health Clinic
  - The Univerity Centre (5th floor)
  - https://www.mun.ca/health/
- Student Counselling Centre
  - The University Centre (5th floor)
  - http://www.mun.ca/counselling/home/

Resources on Campus

- Blundon Centre
  - Accessibility and accommodation of disabilities
  - https://www.mun.ca/student/new-student-experience/access.php
  - University Centre (4th floor)
- Graduate Student's Union
  - https://www.gsumun.ca/
- The Writing Centre
  - https://www.mun.ca/writingcentre/

Resources in St. John's

- **Emergency medical care**
  - Health Sciences Center. Next to campus.
  - St. Clare's Hospital. Topsail Road.
- **Walk in medical care**
  - Blackmarsh Road Dominion
  - Corner of Blackmarsh and Columbus
- **Walk in mental health care**
  - Doorways
  - https://www.bridgethegapp.ca/adult/service-directory/doorways-walk-in-clinic-counselling/