

CSSE Department Orientation



Territorial Acknowledgement

We would like to begin by acknowledging that Concordia University is located on unceded Indigenous lands. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather today. Tiohtià:ke/Montréal is historically known as a gathering place for many First Nations. Today, it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.



What is the ECA?

- The student association that represents all undergraduate students at the Gina Cody School of Engineering & Computer Science
- We organize crash courses, career events, info sessions, exam bank resources, etc.

Learn more -> <https://ecaconcordia.ca>



Agenda

- Eca Introduction
- Guest Introduction
- Department Basics
- Study Strategy and General Advice
- CO-OP
- Q&A



Meet the Team



Sierra Campbell
President



Tharushi Rathnayaka
VP Academic



Chandni-kaur Sahota
Director of Academics



Doan Gia Huy Vu
CSSE Representative



Meet our Guests



Kayla Charky
Alumni

**ECA, Enggames, CQI, frosh
leader/committee, SOEN program,
internships, CAE employee**



Brianne O'Gallagher-Roy
Graduated in SOEN CO-OP

**WIE, Enggames, Tbogg, CQI, CEC, Frosh
leader/committee, SOEN co-op program, 4
internships**



Chair and Professor, Computer Science and Software Engineering



Dr. Lata Narayanan, PhD

Email: lata.narayanan@concordia.ca

Office: ER 1019



Department Basics

Important Faculty and Staff

Undergrad Program Assistants: Kayla Donovan

- ◆ Email: cse-ugrad@concordia.ca
- ◆ Room: ER 1033
- ◆ Book Online Advising Appointment
 - Drop in Tuesday September 7th & 14th, 11am – 12pm
 - Drop in Friday September 10th & 17th, 12pm – 1pm



Department Basics

Important Academic Dates

- DNE (2022-2023 Academic Year: Fall-term Sept 19, 2022; Winter: Jan 23, 2023)
- DISC (2022-2023 Academic Year: Fall term Dec 8, 2022; Winter: Apr 18, 2023)

Late DISC: After the DISC Deadline

- Login to ENCS Portal
- Still possible to get a tuition refund



Department Basics

You can find your course sequence [here](#)

- Both programs follow the Engineering Core and Computer Science Core or Software Engineering Core

Types of Computer Science Electives

- Technical: 18.00 credits
- Mathematics: 6.00 credits
- General: 27.00 credits

Types of Software Engineering Electives

- Technical: 16.00 credits
- Basic and Natural Sciences: 6.00 credits

What are Technical Electives?

- Computer Science Groups: Artificial Intelligence, Computer Games, Data Analytics, Web Services and Applications
- Software Engineering Groupings: Computer Games, Data Engineering, Real-Time, Embedded, and Avionics Software, Web Services and Applications



Department Basics

Other Useful Resources

- **Library Resources**
 - iPads, book a room
- **Facebook for used books**
- **Concordia and Moodle apps**
- **Eca exam bank : <https://ecaconcordia.ca/toolbox>**



● Examotron

SOEN 228

SYSTEM HARDWARE

MIDTERMS

[2000 Winter](#)
[2004 Fall](#)
[2012 Winter](#)
[2016 Winter](#)

SOEN 287

INTRODUCTION TO WEB APPLICATIONS

MIDTERMS

[2014 Winter A Solutions](#)
[2014 Winter B Solutions](#)
[2016 Fall Midterm and Solutions](#)

FINALS

[Study Guide](#)

OTHER

[2016 Winter A4](#)
[2016 Winter A1](#)
[2016 Winter A2](#)
[2016 Winter A3](#)

SOEN 321

INFORMATION SYSTEMS SECURITY

MIDTERMS

[2019 Winter Midterm Review](#)

FINALS

[2019 Winter Final Review](#)

OTHER

[Exercise 1 Problems](#)
[Exercise 2 Solutions](#)
[Exercise 3 Solutions](#)
[Exercise 3 Solutions Detailed](#)
[Exercise 4 Solutions Detailed](#)
[Exercise 4 Solutions](#)

SOEN 331

INTRODUCTION TO FORMAL METHODS FOR SOFTWARE ENGINEERING

MIDTERMS

[2017 Winter Sample A](#)
[2017 Winter Sample B](#)
[2017 Winter Problems](#)

FINALS

[Sample](#)

OTHER

[2017 A1 Problems](#)
[2017 A1 Solutions](#)
[2017 A2 Problems](#)
[2017 A2 Solutions](#)
[2017 A3 Problems 1](#)
[2017 A3 Problems 2](#)
[2017 A3 Solutions](#)
[2017 A4 Problems](#)
[2017 A4 Solutions](#)



Study strategies & General Advice

- **Figure out your learning style**
- **Schedule your time**
- **Don't be afraid to ask people for help**
- **Try to follow your course sequence**
- **You're not stuck in your current degree**



Study strategies & General Advice

- Don't miss a class (if you do, **TEACH** yourself **WELL** asap. Don't put it off)
- Take notes. Writing things down helps you remember
- Read outloud when you study (seeing, speaking, hearing)
- Teach the class to someone (dog, pillow, etc)
- Go to the professor's office to review midterms. **IT'S WORTH IT**



What is Co-op?

All About Co-op

- 3x 4-month co-op terms distributed throughout your degree
- Always on either study or work term, no summers
- Schedule/study semesters not typical
- Applying: current Concordia students
 - ◆ [Google Form available on Concordia website](#)

- Co-op Contacts, CSSE Program Coordinator
 - ◆ Allison DaCosta, Computer Science & C. Edge
 - Allison.Dacosta@concordia.ca
 - ◆ Gail Knafo, Software Engineering & C. Edge
 - Gail.Knafo@concordia.ca



Do you need Co-op?

- Great to get your first internship (no xp)
- Need to submit several forms, midterm and a final report
- It is not extra credits
- If you think you can get your own internships, you don't need it
- Final co-op you do an oral presentation
- Recommend: great to get industry jobs and great for first job. After your first one, decide if you still need it
- Helpful to pressure you and keep you on track, on time
- The “Co-Op” on your diploma is not as important as the internships themselves



ECA societies:

- Societies Recommendation

- All of you should know about SCS (Software and Computer Science Society) - CS Games
- [Student associations \(concordia.ca\)](http://concordia.ca)
- Follow them on facebook and attend events! They have tutorials on important stuff like Git
- More societies: WIE (women in engineering), Engineering Games, Space Concordia, Hack Concordia, SAE (racing cars) etc
- Perks of Societies
 - A group of friends
 - Experience in leadership, looks great on a resume
 - Basically a private study room in the b-annex
 - Wine and cheese networking events
 - Meet sponsors at competitions to get internships



Please feel free to contact us anytime!

- **Email**

- academic@ecaconcordia.ca
- academic.director@ecaconcordia.ca
- csse@ecaconcordia.ca

- **Facebook :** [Engineering & Computer Science Association \[ECA\] - Concordia University](#)
- **Instagram :** [@ecaconcordia](#)



Questions?



Survey

