

# Jodrey School of Computer Science



[cs.acadiau.ca](http://cs.acadiau.ca)

# Introductions

- Dr. Darcy Benoit – Director & Professor
- School of Computer Science mission:  
*"To produce the best graduates in Computer Science through a superior learning experience that directly involves students in the practice and advancement of the field."*

# Faculty and Staff

- **Faculty** - Dr. Darcy Benoit, Dr. Jim Diamond, Dr. Greg Lee, Dr. Elhadi Shakshuki, Dr. Danny Silver, Dr. André Trudel, Prof. Cindy Trudel, Dr. Haiyi Zhang, Prof. Duane Currie
- **Admin Staff** - Sharon Watson
- **Co-op Student** – Jordan Pippy
- **Robot Programming Competition Staff** - Gary Walsh, Jenna Watson-Findley, Heather Travers

<http://cs.acadiau.ca/facultystaff.html>

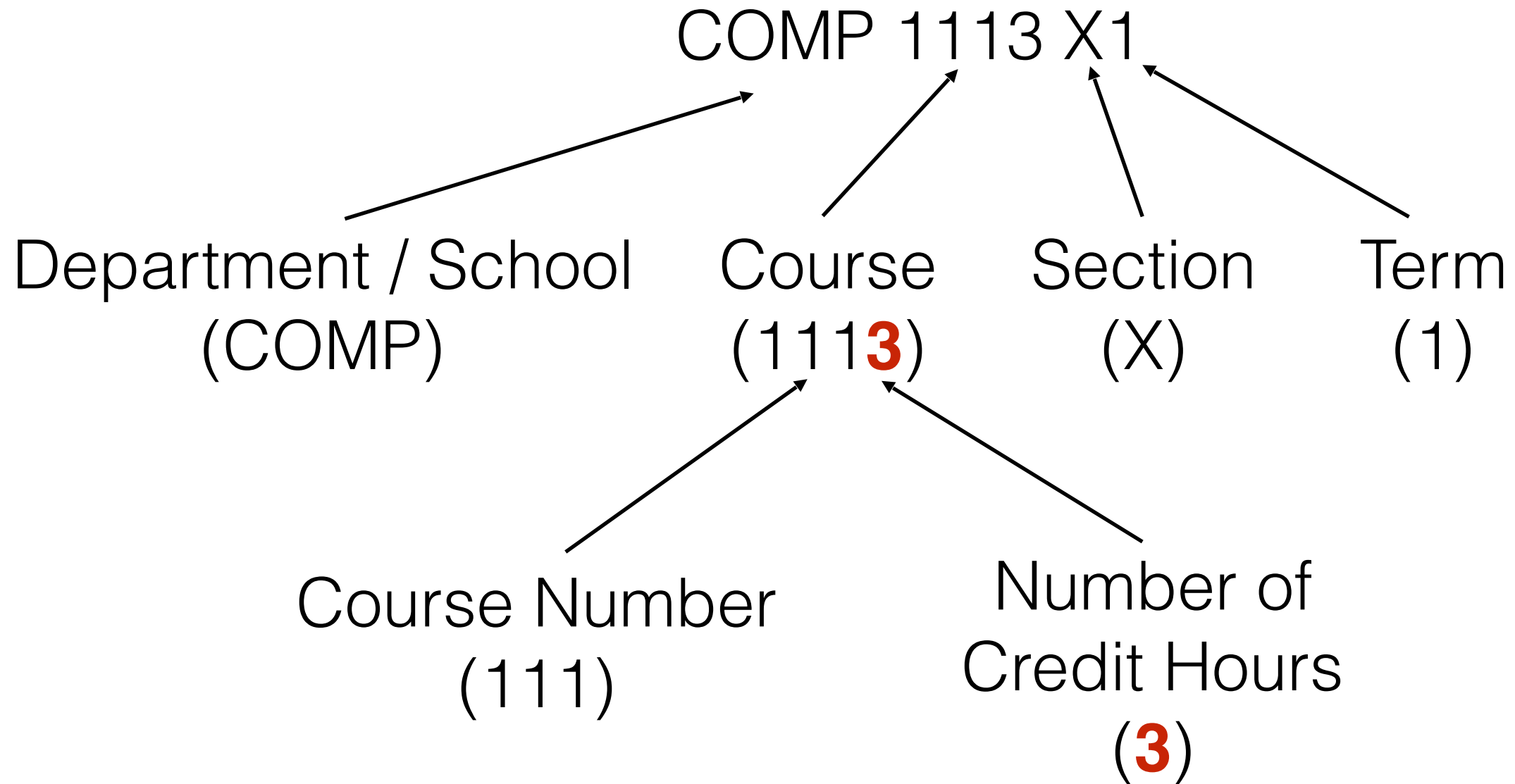
# Programs

- BCS – Bachelor of Computer Science
- BCSH – Honours (thesis)
- BCSS – Specializations:
  - Software Development (Introduced 2016)
  - Mobile and Embedded Computing (Introduced 2009)
  - Game Development (Introduced 2010)
- BScH – Bachelor of Science with Honours in CS
- MSc – Masters of Science

# Programs/Courses

- To find out about offered courses:
- All the information is on the Registrar's website: <http://registrar.acadiau.ca>
  - Academic Timetable of classes offered
  - Copy of the University Calendar
  - Dates for the Academic school year

# How to Read Course Numbers



# Required First Year Courses (Standard)

## *Fall*

**COMP 1113** – Programming 1

**MATH 1013** – Calculus 1

**MATH 1323** – Matrix Algebra

or **MATH 1333** – Linear Algebra

*2 Elective courses*

- Normal course load is 5 (15h) per term
- See the CS website for BSc sequence of required courses
- <http://cs.acadiau.ca/computer-science-degree-programs.html>

## *Winter*

**COMP 1123** – Programming 2

**MATH 1023** – Calculus 2

**MATH 1413** – Discrete/Matrix

*2 Elective courses*

- Specializations may also require additional courses
- Please see Sharon or myself if you have more questions

# Required First Year Courses (If you require Pre-Calc)

## *Fall*

**COMP 1113** – Programming 1

**MATH 0120** – Pre-Calculus

**MATH 1323** – Matrix Algebra

or **MATH 1333** – Linear Algebra

*2 Elective courses*

- Note that while you still take 5 courses in first term, you only get 12 credit hours for that term.
- You will need to make up 3h over the next four years.

## *Winter*

**COMP 1123** – Programming 2

**MATH 1013** – Calculus 1

**MATH 1413** – Discrete/Matrix

*2 Elective courses*

## *Summer or Next Year*

**MATH 1023** – Calculus 2

Note: The Math Department suggests that Calc 2 directly follow Calc 1



# Co-operative Education Option

- Co-op Option
  - obtain real work experience
  - apply the knowledge in the workplace
  - increasing chance of full-time employment
  - establishing valuable employer contacts
  - earning a competitive salary
- Requirements:
  - at least second year of study (60 credit hours)
  - cumulative GPA of 2.5 or more
- Complete minimum of 3 four-month work terms:
  - 3 separate four-month terms (fourth optional)
  - 12 or 16-month internship
- Contact: [christina.mcrae@acadiau.ca](mailto:christina.mcrae@acadiau.ca)
- [http://co-op.acadiau.ca/Co-op\\_Home.html](http://co-op.acadiau.ca/Co-op_Home.html)

# Make the Most of Your Investment

- Review the the 2018/19 Academic Calendar and know your rights and responsibilities:
  - p.5 – Calendar dates
  - p.42 – Course adds, drops, changes
  - p.45 – Academic regulations
  - P.86 – JSOCS regulations, programs
  - P.189 – JSOCS course list
  - P.50 – Academic Integrity – a serious offence
- When in doubt, talk to Sharon Watson or myself
- All student information is confidential
  - Note: We can't talk to your parents unless you sign a form from the Registrar's Office.

# Email

- Due to privacy laws, faculty and staff should not respond or contact students on academic matters unless the request has been sent using an **Acadia University email address. We cannot answer questions sent by your parents unless you fill out a form at the Registrar's office authorizing us to do so.**
  - ➔ Set your email or such that it identifies you with your common name and not just [012345x@acadiau.ca](mailto:012345x@acadiau.ca).
  - ➔ Set your computer's date and time.
  - ➔ Include your **full name and student number** in the email body.
  - ➔ Include an informative subject header, such as "Registration for COMP 3343" or "COMP 1113 question on Assignment 2, Problem 1".
  - ➔ Avoid attachments unless you need them.
  - ➔ Send plain text messages when possible; avoid Rich Text and HTML.
  - ➔ Be clear and concise.
  - ➔ Ask focused questions.
  - ➔ Use a spell checker.
  - ➔ Proof read your email before you send.

# Make the Most of Your Investment

- Seek and Consider Advice
  - Your course professor
  - JSOCS Office (Sharon Watson and I)
  - Tons of Acadia people to help you:
    - Student Counselling and [Resource](#) Centre
      - E.g. Academic support
    - University [Policies](#)
      - E.g. Harassment and Discrimination

# Make the Most of Your Investment

- Students with disabilities that affect learning:

If you are a student with a documented disability who anticipates needing supports or accommodations, please contact Dr. Abu Kamara, Coordinator, Accessible Learning Services at 902-585-1291, [abu.kamara@acadiau.ca](mailto:abu.kamara@acadiau.ca) or Marissa McIsaac, Accessibility Officer at 902-585-1520, [disability.access@acadiau.ca](mailto:disability.access@acadiau.ca). Accessible Learning Services is located in Rhodes Hall.

# Make the Most of Your Investment

- Co-curricular transcript – keeps track of:
  - Participation
  - Leadership
  - Professional and Educational development
  - Honours, Awards and Recognition

<http://cct.acadiau.ca>

# Funding your Education

- As CS students you will be quickly employable:
  - Co-op opportunities (after 2<sup>nd</sup> year)
  - JSOCS Technician
  - Teaching Assistants
  - Research Assistants:
    - <http://cs.acadiau.ca/projects-honours.html>
    - <http://cs.acadiau.ca/research-groups.html>
    - NSERC and Acadia Summer Research Assistance (Honours students)

# JSOCS Groups and Activities

- Computer Science Society – Colin Mackenzie and Clay Feltham
- Programming Team – Dr. Jim Diamond
  - **Note:** The Science Atlantic Computer Science Conference is being held at Université de Moncton this year (Oct 12-14)
- <http://robots.acadiau.ca> – February 16th, 2019
  - Last year: 85 teams, over 400 students, 150 volunteers
- BBQs, Lunches, Annual Banquet
- JSOCS Seminar Series
- For future years consider being a student representative – JSOCS faculty meetings, selection committee, student government, university committees.



# Math Diagnostic Exam

- Will be conducted during the first Math 1010 Studio (so bring your laptops).
- Only for those students enrolled in Math 1013
- You will complete an online test (25 questions).
  - (Sample test - <https://math.acadiau.ca/current-students/math-diagnostic-test.html> )
- Students who receive a mark of 14 or less need to meet with Dr. Caroline Cochran to discuss their Calculus options.
- **Main Option:** Year-long version of Math 1013

# Student Advising

- Unlike some departments, all of the advising is done by Sharon and myself.
- Feel free to talk to other faculty members concerning advice on their research areas.
- If you are having problems (either in a course or otherwise), please come to us immediately so that we can arrange for you to get help.

# Your Schedule

- If you are not currently enrolled in 30h of courses (5 per term), and you are not in the following courses, please see us directly after this meeting.
- Required courses:
  - COMP: 1113, 1123
  - MATH: (1013 & 1023) or (0120 & 1013), and 1323, 1413

# Note

- There are currently wait lists for Math 1413 and Math 1323. These should clear up in the next couple of days, so please make sure with Sharon that you are on the waitlists for these courses. I would suggest going to the class the first day even if you are not “officially” in the class.
- If you are wait listed for Math 1023 in the second term, don't worry - this will clear up before the class starts.