# Jodrey School of Computer Science



# cs.acadiau.ca

# Introductions

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

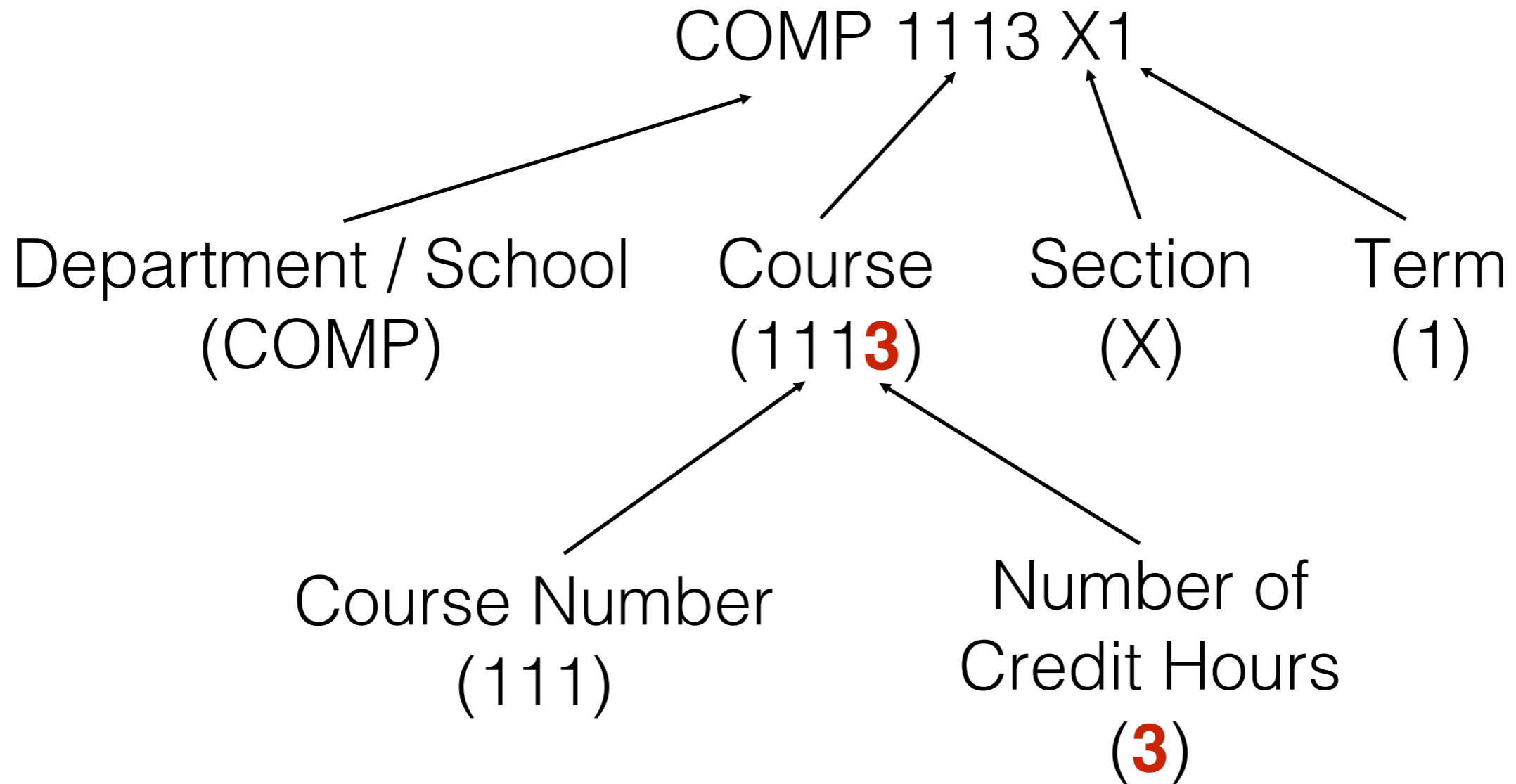**http://cs.acadiau.ca/facultystaff.html**

# 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

COMP 1113 X1

Department / School (COMP)   Course (111**3**)   Section (X)   Term (1)

Course Number (111)   Number of Credit Hours (**3**)

# Required First Year Courses (Standard)

## Fall

**COMP 1113** – Programming 1

**MATH 1013** – Calculus 1

**MATH 1413** – Discrete/Matrix

*2 Elective courses*

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

## Winter

**COMP 1123** – Programming 2

**MATH 1023** – Calculus 2

**MATH 1323** – Matrix Algebra

or **MATH 1333** – Linear Algebra

*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 1413** – Discrete/Matrix
*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 1323** – Matrix Algebra
or **MATH 1333** – Linear Algebra
*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
- http://co-op.acadiau.ca/Co-op_Home.html

# Make the Most of Your Investment

- Review the the 2017/18 Academic Calendar and know your rights and responsibilities:
  - p.5 – Calendar dates
  - p.50 – Course adds, drops, changes
  - p.53 – Academic regulations
  - P.95 – JSOCS regulations, programs
  - P.193 – JSOCS course list
  - P.58 – Academic Integrity – a serious offence

- When in doubt, talk to Sharon Watson or myself
- All student information is confidential

# 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](#) or Kathy O[1]Rourke, Disability Resource Facilitator at 902-585-1823, [disability.access@acadiau.ca](#). Accessible Learning Services is located in the Fountain Commons, Lower Level.

# Make the Most of Your Investment

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

http://cct.acadiau.ca

# Funding your Education

- As CS students you will be quickly employable:
  - Co-op opportunities (after 2$^{nd}$ 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 James Hally
- Programming Team – Dr. Jim Diamond
  - **Note:** The Science Atlantic Computer Science Conference is being held at UNB Fredericton this year.
- [http://robots.acadiau.ca](http://robots.acadiau.ca) – Feburary 17th, 2018
  - 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 Math 1010 Labs during the first week of classes.
- Only for those students enrolled in Math 1013
- You will complete an online test.
  - (Sample test - https://math.acadiau.ca/current-students/math-diagnostic-test.html )
- Students who do poorly on the test will be able to discuss their Calculus options with the Math department.
- **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