Welcome to the Faculty of Engineering and Computer Science

Mina Hoorfar
Dean

We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.
Faculty's Degrees:

- BSc: Computer Science
- BEng: Biomedical Engineering, Computer Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering
- BSEng: Software Engineering

In all our degrees:

- technical knowledge
- hands-on skills
- problem solving skills
- design skills
Every degree emphasizes:

- effective communication
- individual & team work
- societal impacts & sustainability
- prioritize:
  - professionalism
  - making ethical choices, and
  - equity

We are an international community!

We *come from* all over the world ...

- many accents.
- proficient English-communication.
- If you don’t understand . . . ask for clarification.
Engineering & Computer Science:  
**A safe, Welcoming Community**

- respect others’ perspectives
- refrain from:
  - discriminatory behaviour, speech
- talk about uncomfortable situations
- concerns? reach out

**Inclusion of all - open exchange of ideas**

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**Professional Faculty**

Code of Ethics:
- Engineers & Geoscientists of BC (EGBC)
- Association for Computing Machinery (ACM)
  - [https://www.acm.org/code-of-ethics](https://www.acm.org/code-of-ethics)

truth
honesty
trustworthiness

safeguard human life
safeguard the environment
Professionalism at UVIC

• UVIC Academic Integrity
  – https://www.uvic.ca/students/academics/academic-integrity/index.php
• Faculty Standards of Professional Behaviour
  – https://www.uvic.ca/ecs/_assets/docs/student-forms/professional-behaviour.pdf

Learning

High School ≠ University
What’s different in university?

- Hours in Class
  - Less class
  - More independent study

- Grading
  - Less frequent; worth more
  - Expected vs. required work

- Learning type
  - Deeper
  - Connect and extend vs. memorize

- Independence
  - You choose
  - Self-check

What do professors expect?

- Engagement - be there and do the work

- Workload expectations – the 2:1 (or 3:1 ?) rule
  - Break tasks down and prioritize
  - Read syllabus: pay attention to instructions, purpose, and context

- Break tasks down and prioritize

- Take advantage of instructor availability

Research says: 
Attendance is vital for success

I heard they don’t take attendance at University... Do I have to go to classes?
Other Life Activities . . .

Working while Studying:

- I will not be working
- I will work part-time (< 20 hours/week)
- My work will approach full-time (>= 20 hours/week)

You decide . . .

168 HOURS IN WEEK
- 23 -- in class
- 2 x 23 -- study: 2 hours (min) per class hour
- 7 x 7 -- sleeping (min)
- 21 x 1 -- meals
- 7 x 2 -- exercise, shower, dress, transportation
- 7 x 2 -- email, phone, social media, etc.

TIME FOR WORK = 1 hour

Which grade you receive!
Exercise and Socializing

Critical for your academic success:

• physical health: exercise, nutrition …
• social interaction: social media, family connection …

• alcohol, cannabis, other substances??

- It affects your academics
- Keep it legal! . . . And Stay Safe!

This is a big year of transitions …

• set goals that work for you
• make choices that feel right for you (and say “no”!)
• communicate with important people
Welcome!

• To Engineering & Computer Science !!

SUCCEEDING IN UNIVERSITY: Tips and tricks

Madeline tennier
The first week of classes

• Get a calendar
• Read over your syllabus
• Talk to people - join a club

During the school year

• Study
• Ask your professors questions
• Take care of yourself
Labs and tutorials

• Work with your classmates if allowed

• Ask the TA questions

• Complete the work, make it look neat

Assignments and quizzes

• Start assignments early

• Do your quizzes once you’ve learnt the material

• Ask your prof or TA questions

• Do your best and check feedback
Taking a midterm

• Study but no all nighters
• Pace yourself
• Look at feedback – ask questions

Struggling?

• Explain circumstances to your prof
• Create a priority list
• Take advantage of the resources UVIC offers
Final notes

• Study
• Keep track of your work
• Ask questions and ask for help
• Take care of yourself

Thank you
Engineering: My student perspective

Victoria Hartman, 4.5th year BME

About me

• switched faculties from bio/psych
• 4 co-ops in Victoria, Vancouver, Japan
• exec in Biomedical Engineering Design club
• tour guide, PASS peer advisor, and OL
• ESS volunteer
Lesson #1: Take naps

• naps good, all-nighters bad
• start work on assignments when they’re assigned
• make time for relaxing

Lesson #2: Get used to group projects

• you will do them from 1st year to capstone
• delegate, communicate
• do more than ‘your share’
Lesson #3: What’s the point of co-op?

- networking – ask profs and classmates
- be flexible
- even a bad co-op can be educational

Thank you and good luck!
Icebreaker

Turn to the person next to you:

- Share your name and where you’re from
- Discuss what you’ve enjoyed about the day so far
- What are looking forward to in the coming weeks?

MATH HELP

Math & Stats Assistance Centre
First Year Math at UVic
Elliot 165 (Betty & Gilbert Kennedy MSAC)

Tutors available: 9:30am – 1:30pm Mon-Fri

Study Space: 9:30am – 4:30pm Mon-Fri

Starts Sept 12th!

Library 129 (Learning Commons)

Tutors available: 2:30pm – 6:30pm Mon-Fri

Starts Sept 12th!
Who uses the Math & Stats Assistance Centre?

First year math: 59%
Second year math: 18%
Statistics: 21%

UVIC.CA/MSAC
FIRST YEAR MATH AT UVIC

Three different first-semester calculus courses:
MATH 100, MATH 102, MATH 109

1. Are you in Social Sciences or Biology?
   - Yes
       - MATH 102 is designed for you. You may enrol in MATH 109 or MATH 100 if you wish.
   - No
       - Have you taken Calculus before?
         - Yes
             - MATH 100 is designed for you.
         - No
             - MATH 109 is designed for you.

       - Next Course: MATH 101
WHAT DO YOU KNOW ABOUT L’HOSPITAL’S RULE?

A: I don’t know much about hospitals...

B: It’s the best rule ever and you should use it for all limits all the time.

C: It was not proven by the Marquis de l’Hospital.

GETTING MATH HELP!

1. Instructor Office Hours

2. Tutorials and Labs!

3. Math & Stats Assistance Centre

4. Student Groups:
   - Student in Undergraduate Math & Stats
   - Association for Women in Mathematics
Welcome to the Faculty of Engineering and Computer Science

LeAnne Golinsky

WHAT IS ADVISING?

• Program planning & advice
• Registration questions
• Program declarations
• Workload / Success help
• Academic & illness issues
• Campus referrals

because there are some questions that even Google can’t answer.
WHO ARE THE ADVISORS?

- **1st Year Advisors:**
  - Engineering: LeAnne  
    engradav@uvic.ca   
  - Computer Science: Irene  
    cscadvisor@uvic.ca

- **Advising Drop in:**
  - Computer Science: ECS 504  
  - Engineering: EOW 206

- **Advising: BrightSpace – Available to you now**

Drop in and booked appointments available

### Resources for Success

<table>
<thead>
<tr>
<th>Service</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science Assistance Centre</td>
<td>ECS 251</td>
</tr>
<tr>
<td>Math Assistance Centre</td>
<td>Blend of in-person and on-line tutoring – see Math dept website for details</td>
</tr>
<tr>
<td>Centre for Academic Communication</td>
<td>Academic writing, critical reading, presentation and speaking skills – see the CAC website for details</td>
</tr>
<tr>
<td>Learning and Teaching Support and Innovation (LTSI)</td>
<td>All things learning and technology! – technical support with course platforms. See Student portal on LTSI website</td>
</tr>
<tr>
<td>Learning Strategies Program</td>
<td>UVIC Learn Anywhere, Learning Strategies program, meet with a Learning Strategist</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Meet with the instructor</td>
</tr>
<tr>
<td>Physics</td>
<td>Physics Aid Service - support with conceptual understanding, questions with homework assignments, prep for midterms and finals – See Physics dept website for details</td>
</tr>
</tbody>
</table>
1ST YEAR SCHEDULE POSSIBILITIES

• Do 1st year over 3 terms
• Slows things down – time for other things!
• Finish 1st year by August instead of April
  – Some courses in Summer session
  • Interested? There is still time to change....

Planning Your Program

Degree requirements are outlined:
• In the Calendar – of course!

• On Program Planning Worksheets

  Do your research ahead of time.
  Come prepared with your questions.

Our advisors can help you understand these requirements –
YOU have to read them!
# Grades at UVIC

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Point</th>
<th>Percent</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>9</td>
<td>90 – 100</td>
<td>Exceptional</td>
</tr>
<tr>
<td>A</td>
<td>8</td>
<td>85 – 89</td>
<td>Outstanding</td>
</tr>
<tr>
<td>A-</td>
<td>7</td>
<td>80 – 84</td>
<td>Excellent</td>
</tr>
<tr>
<td>B+</td>
<td>6</td>
<td>77 – 79</td>
<td>Good Comprehension</td>
</tr>
<tr>
<td>B</td>
<td>5</td>
<td>73 – 76</td>
<td>(B range - reasonable command of skills)</td>
</tr>
<tr>
<td>B-</td>
<td>4</td>
<td>70 – 72</td>
<td>Adequate Comprehension (C range – basic skills)</td>
</tr>
<tr>
<td>C+</td>
<td>3</td>
<td>65 – 69</td>
<td>Marginal</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>60 – 64</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>50 – 59</td>
<td>Did not complete course requirements</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>0 – 49</td>
<td>Did not complete course requirements</td>
</tr>
<tr>
<td>N</td>
<td>0</td>
<td>0 – 49</td>
<td>Did not complete course requirements</td>
</tr>
</tbody>
</table>

**UVIC’s GPA:**
- Weighted average of grade points

**Good Standing:** 2.0 or better
**Probation:** Less than 2.0
**Required to withdraw:** unsuccessful probation

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# Your GPA matters

- GPA is reviewed twice a year
  - Winter – **September** – April
  - Summer – **May** – August

- Good Standing – 2.0 or better
- Probation – Less than 2.0
- Required to withdraw – unsuccessful probation

Acknowledge early warning signs.

**Come talk to us. We can help!**
Program Declarations

Engineering

• Starting in February – submit program choices

• Minimum requirements – 2nd year standing, C+ average and no grades less than C

• Competitive averages may be required

• ALL program requirements are considered

• Declare by: April 30th
• Decisions by: May 31st

Program Declarations

Computer Science

• After successful completion of CSC 115 (or 116) and Math 122

• Submit form to program advisor

• Want to join Co-op? You have to apply, see your program advisor.

• Graduation requirement: All required CSC, MATH, SENG, STAT and English courses must have minimum grades of C
2nd year....and beyond!

Admitted to the 2nd year of your program?

• Consider your specialization or options

• Consult your advisor

I want to drop a course

<table>
<thead>
<tr>
<th>Date</th>
<th>Drop Deadline</th>
<th>Tuition Refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 20th</td>
<td>100% drop deadline</td>
<td>100% of tuition refund</td>
</tr>
<tr>
<td>October 11th</td>
<td>50% drop deadline</td>
<td>50% of tuition refund</td>
</tr>
<tr>
<td>October 31st</td>
<td>Academic drop deadline</td>
<td>No tuition back, but no fail</td>
</tr>
</tbody>
</table>

Results of assignments, labs, midterm unsatisfactory?

Use feedback to make the right decisions for you!
What can I do if...

...I am ill, get in an accident, something happens in my family

1. Consult immediately with Counselling Services, Health Services or another health professional

2. See your Advisor

Learning and Personal Supports

Student health in the Health and Wellness Building (near CARSA)
- Medical
- Counselling
- Spiritual
- Support Connect – free, confidential mental health support 24/7

Centre for Accessible Learning (CAL)
- Adaptive/Assistance technologies
- Academic accommodations
• *Advising* is on your *Brightspace dashboard*; please contact your advisor if this is not the case!

• Contains program planning information, appointment booking information, forms and more.