



THE UNIVERSITY OF BRITISH COLUMBIA

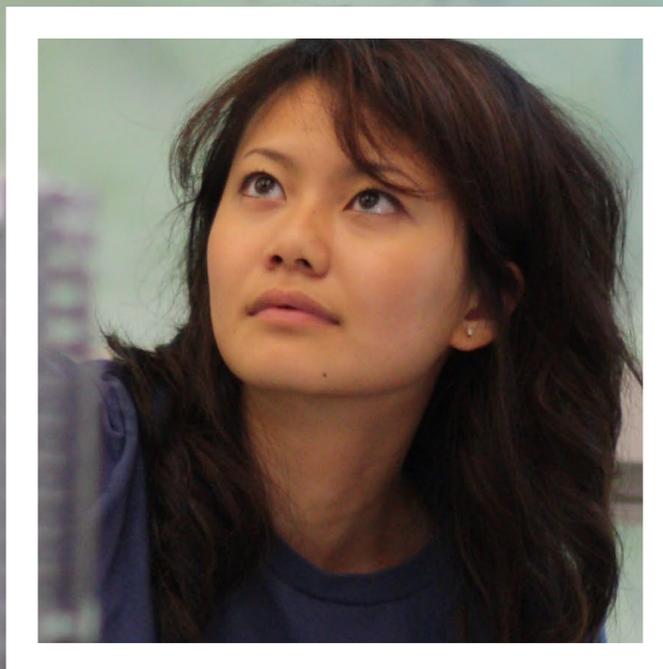
Engineering

Faculty of Applied Science

YOUR PLAN

UBC Vancouver WELCOME & REGISTRATION Guide for First Year

ENGINEER YOUR FUTURE



THE UNIVERSITY OF BRITISH COLUMBIA

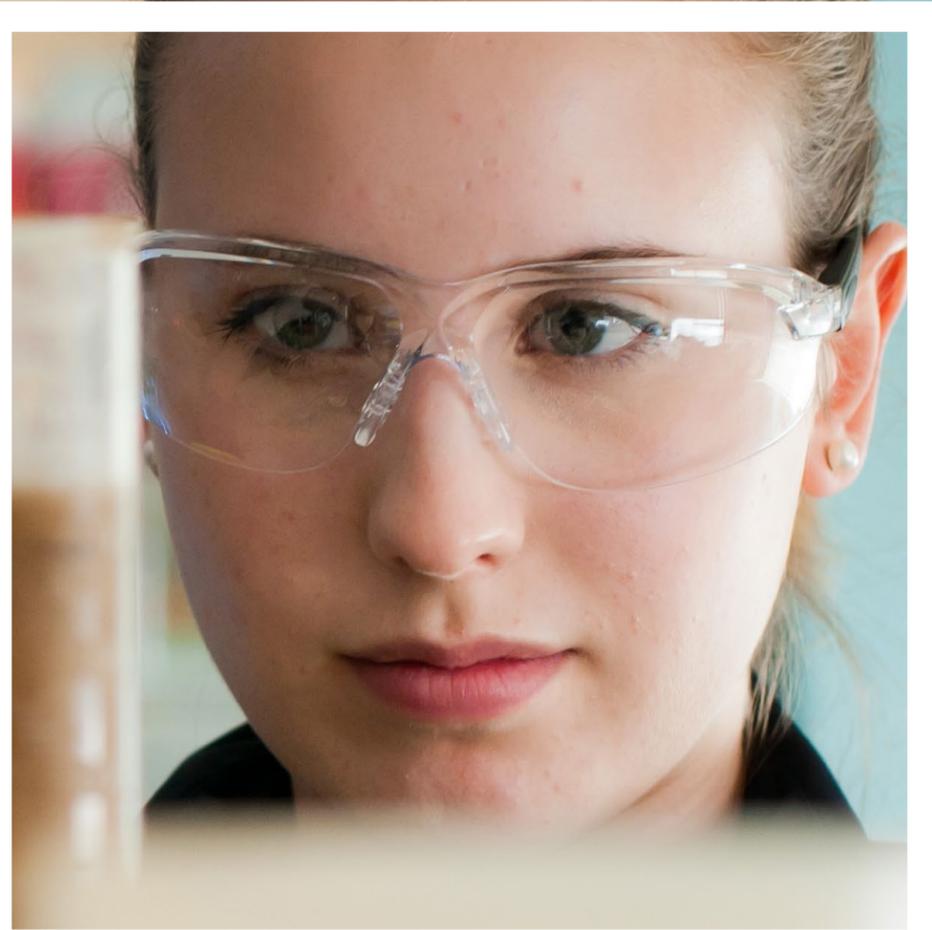


WELCOME TO YOUR NEW HOME... THE FACULTY OF APPLIED SCIENCE

UBC Engineering is your home base to take on exciting challenges, develop your potential and create life-long connections.

We value this opportunity to welcome you to UBC Engineering and give you the information you need to prepare for registration and beyond. Your years here with us will be transformative. We would like to share with you ways in which you can enhance your degree, how you can get involved and how you can take advantage of the many opportunities UBC Engineering offers. This is the beginning of our communication with you and we hope to develop this connection with you throughout your degree, letting you know about all your options.

So welcome, and enjoy the journey.



I had the exciting opportunity to spend an eight-month co-op term in Brisbane, Australia. The experience I gained there is invaluable and it ultimately landed me a full-time job after graduation.

I got to work with talented people from all over the world on a variety of interesting geotechnical projects, as well as travel around the east coast of Australia to see as much as I could. It was a pretty surreal feeling to snorkel the Great Barrier Reef one weekend then return to work on Monday in Brisbane to coordinate a site investigation in Fiji. I also got to experience the catastrophic floods that occurred in Queensland in January 2011 and the amazing effort of the community to clean up and help those in need. When I returned to school in September, I used my knowledge of and research on the floods for a class project. It's pretty cool how things are interconnected and eventually come together later on.

— JARED WHITEHEAD, CIVIL ENGINEERING GRADUATE

YOUR FIRST STEPS

In your first year, you will take courses that are the same for all engineering students. You will build on your existing knowledge in chemistry, math and physics, giving you a foundational year, before you apply for your program of study for second year.

You will be registering using a [Standard Timetable \(STT\)](#) rather than doing so on a course-by-course basis. Each STT includes **MOST** of the courses required for your program.

You will need to **ADD** a three-credit [first-year English course](#) **AND** a three-credit [humanities/social sciences elective](#) (See "Complementary Studies") the Faculty of Arts to your STT.

Typical First-Year Engineering Course List

(Students entering UBC from high school)

APSC 100	Introduction to Engineering I
APSC 101	Introduction to Engineering II
APSC 160	Introduction to Computation in Engineering Design
CHEM 154	Chemistry for Engineering
MATH 100*	Differential Calculus with Applications to Physical Science and Engineering
MATH 101	Integral Calculus with Applications to Physical Sciences and Engineering
MATH 152	Linear Systems
PHYS 157	Introductory Physics for Engineers I
PHYS 158	Introductory Physics for Engineers II
PHYS 159	Introductory Physics Lab for Engineers
PHYS 170	Mechanics I

Add to your STT:

ENGL 112	First-year English or equivalent (or ENGL 110 or ENGL 111)
3 credits	Humanities/Social Sciences elective (in the Faculty of Arts - recommend 100-level course)

Total Credits: 37

*** Students WITHOUT high school calculus should choose the STT with Math 180 (e.g. 'HT04 - First Year Engineering - High School Group with no calculus background')**



During my time in engineering the most valuable thing that I have learned is how to approach problems with the aim of not just solving them, but understanding them.

I have learned the value of first asking why a problem exists. I have also learned how necessary it is to understand the system the problem exists within before working on a solution. Chemical engineering has taught me to think about systems and has taught me how to consider the interactions between various components of a system. Taking a systems-thinking approach to problems is something that I have been able to apply far beyond the scope of chemical processes and it is a skill that I think is really important. At the end of the day, being able to come back to a problem's relevance is crucial for me. I think that engineering has given me the tools to do this and has been a key part of my education.

— KAITLYNN LIVINGSTONE, CHEMICAL AND BIOLOGICAL ENGINEERING GRADUATE

7 STEPS TO REGISTRATION SUCCESS

1 Accept

- Accept (or decline) your offer on the UBC Student Service Centre (SSC) and **pay your deposit**.



2 Plan

- Go to students.ubc.ca for tips, video tutorials, important links and more
- Create multiple worklists (potential timetables)
- Add English 112 to timetable
- Add a 3-credit humanities/social sciences elective (check students.engineering.ubc.ca/requirements for English and humanities course exceptions)



3 Check

- LPI Requirement ("First-year English Course Entry Requirement": english.ubc.ca/first-year-english/frequently-asked-questions-faq)?
- Advanced Placement (AP) or International Baccalaureate (IB) credits — we **strongly recommend retaking math and physics courses**. Retake chemistry course only if going into Chemical, Materials or Biomedical Engineering — check students.engineering.ubc.ca/high-school-credit.

4 Register

- Register on the day and time you are given — **DON'T** delay.
- Find favourite (and **AVAILABLE**) worklist and click "**Register All**"
- Need registration help? Get answers quickly online: students.ubc.ca.

5 Confirm

- Tuition deadline and amount due listed in your SSC financial account
- NOTE: Fee statements are not mailed - you must check online and are responsible to pay on time.**



6 Connect Now!

- Join the "**Official UBC Engineers First Years 2017-2018**" Facebook group now to ask students and staff any questions about courses, registration, student life, etc.: facebook.com/groups/fy1718.
- "**e-nEUS**" — your engineering e-newsletter with academic, social, financial and other opportunities. Weekly starting in late August.



7 Orientation

- Register for Jump Start (International Students)
- Attend Imagine UBC (All students - September 5)



? Questions

Following these steps, in order, will get you the **quickest answer**

- First, READ this Registration Guide CAREFULLY**
- Read the "basic steps" and other tabs on this webpage: students.engineering.ubc.ca/registration.
- Check students.engineering.ubc.ca/faqs for common answers
- Read or post questions on Facebook — facebook.com/groups/fy1718 (check the page first to see if someone has asked the question already)
- If you are having a technical issue registering, you can contact your Enrolment Services Professional (ESP) or Engineering Student Services. Contact details can be found on the last page of the online UBC Engineering Registration Guide.

Registration: students.engineering.ubc.ca/registration

Frequently Asked Questions: students.engineering.ubc.ca/faqs

Facebook group: facebook.com/groups/fy1718 for quick answers

7 STEPS TO SUCCESS

1

ACCEPT YOUR OFFER!

- **You will need to accept your offer** by signing into students.ubc.ca/ssc using your Campus-Wide Login (CWL) and clicking "Accept or Decline My Offer" under "Admissions." You must also satisfy any **outstanding conditions** of your Offer of Admission (check your Offer Letter for details).
- **If you need help registering** at any time, see the FAQs and Video Tutorials in the "Need Help?" section on the home page of your SSC account or [click here](#).

2

PLAN

- **Find out the date and time your online registration opens.** First-year registration takes place between June 21-23, during which you will be assigned a specific date and time to register. Approximately 2 weeks before (~June 7), you'll get an email to let you know your personalized registration date and time are posted in the SSC. Register anytime at the start of, or after, your appointed time. Some STTs fill up, so plan ahead so you can register as soon as you are able.
- **Create multiple worklists** containing your preferred STTs **and additional courses.** Your STT will include courses for both Term 1 and Term 2 (choose Winter 2017 session). You can create multiple worklists so that if an STT is full on the day you register, you have alternate options ready. Try to balance your credit load equally per term. You cannot drop any courses from an STT worklist, but can drop courses from your timetable when you are registering.
- **Regarding Mathematics, you have two STT options:** if you have taken high school Calculus, register in the 'HS' timetables; if you don't have a Calculus background, register in 'HT' timetables. Choose the one that is appropriate for you.
- **Missing Physics 12 (or the equivalent)?** You will need to register in a modified timetable - register in the timetable labelled "HS07."

ADD a 3-credit [first-year English course](#) AND a 3-credit [humanities/social sciences elective](#) to your STT. We recommend English 112 (3 credits). For your elective, we recommend a **100-level course** from the Faculty of Arts. You should NOT take courses in scientific geography, statistics, technical or scientific courses, studio/performance courses in fine arts, music and theatre. There are also exceptions regarding taking a language. Please [click here](#) for further information on electives.

3

CHECK

- **All students must demonstrate their eligibility for 100-level English courses**, before taking an English course. There are a number of ways to prove eligibility. If you need to write the Language Proficiency Index test in term 1, you should schedule your English for term 2. Find out more about the LPI test here: the [English Department's website](#), dates, testing locations and preparation. See also: lpitest.ca.
- **Advanced Placement (AP) or International Baccalaureate (IB) exemptions or credits.** Register for your full 37 credit load. Once your results are updated in the SSC (late July), you can change your registration. You can use your credit and drop the corresponding course or substitute the courses dropped with other courses to fulfill your [degree requirements](#). Or you can take a lighter term. We **strongly recommend you don't use** your AP/IB course credits but **retake your 1st year math and physics courses**. If planning on Biomedical, Chemistry or Materials Engineering, you should also retake chemistry. students.engineering.ubc.ca/high-school-credit.

4

REGISTER!

- **Log into your account on the SSC**, select the worklist you'd like to register for and click "Register All" to register all the courses in this worklist. If you don't register via a worklist you must register in an STT **before** adding additional courses. The system will not allow you to register in an individual course before registering in an STT.
- **To register in specific courses in your worklist**, check the boxes for these courses and click "Register Selected."
- **To register in courses that have not been saved to a worklist**, choose the course and section you want under "course listing" and click "Register Section."
- **If you have any questions**, please read this Registration Guide carefully first! Then, check the FAQs webpage or the ["FY1718" Facebook page](#). You will find your answer there quicker, allowing Engineering Student Services to deal with urgent issues.
- **If you experience any registration difficulties**, [check this page first](#) (see also 'Troubleshooting registration' section at the end), and if you still cannot resolve your issue, contact your Enrolment Services Professional (ESP) or Engineering Student Services. See the back page of this brochure for contact details.
- **After you've registered in courses for your entire first year, click on "Timetable"** to view your course schedule for Term 1 and Term 2.

5

CONFIRM

- **Check your financial account** on the SSC to see how much tuition you owe and when fees are due. **You will not receive a fee statement in the mail, so it's up to you to pay your fees on time!**
- **Not sure what it's all going to cost?** You can use [UBC's Cost Calculator](#) to see the approximate costs to expect for the year's tuition, housing, books and other items. **Congratulations!** You've registered for your first year. **Keep reading though...**

YOUR LIFELONG CONNECTIONS START HERE—GET INVOLVED!

6

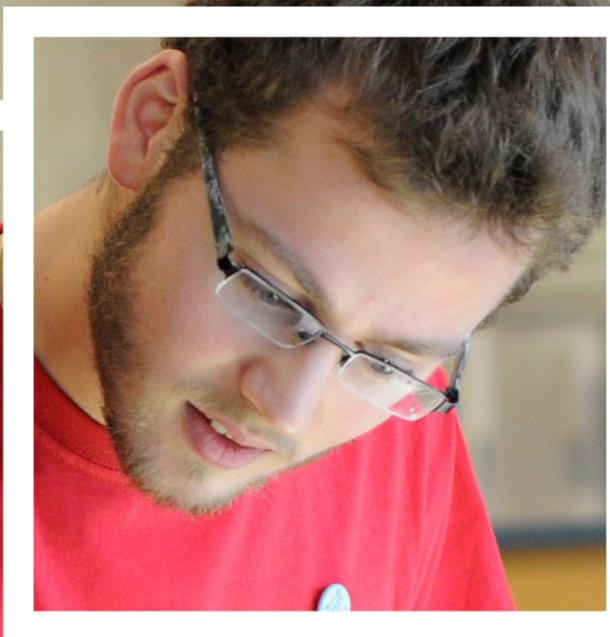
CONNECT

- **Join the “Official UBC Engineers First Years 2017-2018” Facebook group** — search ‘fy1718.’ This is the official Facebook group for your year. Connect with future classmates and current students. Ask questions now, and get info on upcoming events, important dates or deadlines and opinions about student life on campus. This is an important communication group to be part of — join now!
- **Stay informed — read the “e-nEUS.” This is YOUR e-newsletter!** Get news and information about what you need to know and when you need to know it: academic, professional development, job, scholarship and social news and opportunities. The e-nEUS is published by your [Engineering Undergraduate Society](#) (EUS) and Engineering Student Services (ESS). You will receive this automatically (keep your email address updated in the SSC!) and should get the first one in August. Starting in September you’ll receive it weekly on Sundays.
- **Get Involved** — Join a student design team, a club, the EUS, the fraternity, the sorority, or start your own — it’s the best way to make friends! Explore your options now at students.engineering.ubc.ca/life or wait til you get here and attend “Club Days” in September (check the e-nEUS).

ORIENTATION — don’t miss out!

7

- **International Students — sign up for JUMPSTART.** This amazing transition program will set you up for success before classes start. A two-week program in August contains academic, social and logistical components designed to help introduce you to university life and new friends: **REGISTER by July 4!**
- **All students — attend IMAGINE DAY.** Welcome to your first day of class — you will make new friends, meet with student leaders and professors, get to know your faculty and learn about the services we offer to support you, as well as many ways you can get involved on campus.



Definitely, my most memorable experience at UBC has been the time I’ve shared with my friends. Studying together, teaching one another, working together, helping each other or just talking about the future.

I feel like I’ve learned and accomplished a lot during my time at UBC; much more than I first thought I was capable of. But what stays with me more than what I’ve achieved, is who I achieved it with. I’m fortunate to have had the opportunity to work with truly fantastic people who have become some of my best friends.

—JACOB BAYLESS, ENGINEERING PHYSICS GRADUATE



FAQs

For First-Year Students

Here are responses to a few commonly-asked questions from students.

What happens if I have AP/IB credit?

First, register for your full 37 credits load. Once your results and transfer credits record are updated (late July), or if you are confident you will receive credit, you can make changes to your registration. **Note:** if you drop courses from your schedule, you may not be able to re-register in that section, as courses fill up, so be careful what you drop.

If you receive credit for your AP/IB courses, you can take the credit and drop the appropriate corresponding course. You can substitute dropped course with other courses that fulfill your [degree requirements](#) or take a lighter term. **We strongly recommend you do not use your chemistry, mathematics or physics credit.** For more information, go to: students.engineering.ubc.ca/high-school-credit.

What should I take as a humanities/social sciences elective?

You should take a 3 credit course from the Faculty of Arts in your first year. **Exceptions:** scientific geography courses, statistics courses, technical or scientific courses, studio/performance courses in fine arts, music and theatre (further exceptions are ANTH 140, CLST 301, PHIL 125, PHIL 220, PSYC 218). You may take 3 credits of a language course as a humanities elective; if you take more than 3 credits of a language course, you will have to take your Impact of Technology on Society credit through the Faculty of Arts. See students.engineering.ubc.ca/degree-requirements. Please do not contact us to ask what is the best elective to take — choose courses that reflect your interests or ones in which you might excel. If you think you may do a minor later on, consider taking a course that would benefit its requirements (e.g. [Economics 101 for the Minor in Commerce](#)).

I don't see English or a humanities/social sciences elective on my timetable. Do I have to add them?

Yes. Your timetable has most of your courses, but you **must add** English 112 (or ENGL 110 or ENGL 111) and a humanities/social sciences elective (see above).

I don't have a full 37 credit course load. Is that ok?

Yes, if you have used transfer credit (AP/IB or other) to exempt you from courses in your STT. You can drop the corresponding course from your STT and choose to take a lighter course load, or choose to take another course to get ahead (e.g. another 3 credit humanities elective). You may also decide to redo the course — as is strongly recommend for chemistry, mathematics and physics courses.

I'm a varsity athlete. What do I do if my training schedule clashes with the available timetables?

We will assist you in creating a schedule that can accommodate your training. One week before registration starts (June 14), email [Ana Chicoine](mailto:Ana.Chicoine) with your name, student number, varsity schedule and preferred class schedule and course sections.

For questions about waitlists and more, visit students.engineering.ubc.ca/faqs, or join the Facebook group FY1718 where you can ask questions, read other students' questions and get responses from current students and UBC Engineering staff.

Please NOTE: in order to advance to second-year, you need at least 27 credits of our first-year program.

The overall thing that has made [my time at UBC the most] memorable has, without a doubt, been the people: people who have supported me, challenged me, given me opportunities, saved me in a moment of need or asked for my help and in doing so helped me learn even more.

UBC's culture of student engagement and involvement outside the classroom, as well as the unbelievable level of acceptance for people I found here, made this institution feel like home. And all of these qualities were especially noticeable in engineering.

— SEAN HEISLER, INTEGRATED ENGINEERING GRADUATE

IMPORTANT LINKS

Student Links

- Your Student Account: ssc.adm.ubc.ca/sscportal
- Frequently Asked Questions: students.engineering.ubc.ca/faqs
- Engineering student website registration information: students.engineering.ubc.ca/registration
- Humanities/Social Sciences elective: students.engineering.ubc.ca/registration
- Engineering student website: students.engineering.ubc.ca
- Online calendar: courses.students.ubc.ca/cs
- e-nEUS e-newsletter: ubcengineers.ca/eneus (emailed to you every Sunday during term - read it!)
- Your First Year Facebook Group: facebook.com/groups/fy1718 (Join it!)
- Facebook for all engineering students: facebook.com/groups/UBC.Engineering (Join it!)
- Twitter: @UBCEngineers

Faculty Links:

- UBC website: students.ubc.ca
- Facebook: facebook.com/UBCEngineering
- Twitter: @UBCEngineering

SUPPORT FOR YOU

Your Engineering Student Services Staff are here to help.

Don't worry, we've got you covered. You can contact Engineering Student Services for any advice or information you need to maximize your undergraduate experience.

Most new students don't need to consult an advisor before registering.

If you have a question, try our webpage students.engineering.ubc.ca/registration, our FAQs page or the first-year Facebook page first. If, after reading this guide, the FAQs and looking at the questions posed on Facebook, your question is still not answered, please contact us (see details below).

If you are having a technical issue registering, you can contact your [Enrolment Services Professional](#) or Engineering Student Services.

UBC Vancouver Engineering Student Services

1100-2332 Main Mall
Vancouver, BC Canada V6T 1Z4

Before phoning, please follow the steps on page 7 under 'Questions'
604 822 6556

students.engineering.ubc.ca/faqs