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.

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

I had the exciting opportunity to spend an eight-month co-op term in Brisbane, Australia in 2011. 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
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.

— KAITLYN LIVINGSTONE, CHEMICAL AND BIOLOGICAL ENGINEERING GRADUATE

YOUR FIRST STEPS

As a first year transfer student, you will be picking up courses from our 1st Year Program as well as 2nd year courses to help you work ahead, before you apply for your program of study for second year.

You will be registering using the ‘Science Transfer Group’ Standard Time-table (STT).

First: Check our 1st Year Program - you will need to ADD all the courses you are missing and DROP any courses you already have credit for.

Once you have all the courses you are missing from the 1st Year Program, you can start adding other courses that meet your degree requirements to your STT or start working ahead by adding common 2nd year courses.

You are expected to complete the equivalent of all our 1st Year Program credits.

Course List Options

You are responsible for completing ALL of our 1st Year Program courses (or their equivalents) - transfer students typically still need to complete the following courses. However, if you are missing more of our 1st Year Program, you will need to add those courses to your STT.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>APSC 100</td>
<td>Introduction to Engineering I (if you have credit for CHEM 121 &amp; 123, only take APSC 100)</td>
</tr>
<tr>
<td>APSC 101</td>
<td>Introduction to Engineering II (if you have credit or are taking CHEM 154, take both APSC 100 &amp; 101)</td>
</tr>
<tr>
<td>APSC 160</td>
<td>Introduction to Computation in Engineering Design</td>
</tr>
<tr>
<td>MATH 152</td>
<td>Linear Systems (or MATH 221)</td>
</tr>
<tr>
<td>PHYS 170</td>
<td>Mechanics I</td>
</tr>
</tbody>
</table>

Courses to fulfill your degree requirements:

- 3 credits Impact of Technology on Society elective (this is already built into Civil engineering STT)
- 3 credits Humanities/Social Sciences elective (need minimum 6 credits to graduate)

If you have space to take more credit to work ahead (please check the footnotes)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 253</td>
<td>Multivariable Calculus (or MATH 200)</td>
</tr>
<tr>
<td>MATH 255</td>
<td>Ordinary Differential Equations (or MATH 215)</td>
</tr>
<tr>
<td>MATH 257</td>
<td>Partial Differential Equations (or MATH 316)</td>
</tr>
<tr>
<td>STAT 251</td>
<td>Elementary Statistics (required in 3rd year of many programs)</td>
</tr>
</tbody>
</table>

MATH 253, 255 and 257 are also used as combination equivalents for courses, required in a few programs; like MATH 217 (same as MATH 253 + 317) or MATH 256 (same as MATH 255 + 257), so taking MATH 253, 255 and/or 257 could help you work ahead.

Total: Up to 30 credits

** Please Note: the courses above are only SUGGESTIONS. 2nd Year Math and Statistics courses are common to many but not all department/programs. Check the UBC Calendar course listings for the programs you are interested in and most likely to apply for, to decide if the Math or Statistics courses are appropriate for you.
1. Accept (or decline) your offer on the UBC Student Service Centre (SSC) and pay your deposit
2. Go to students.ubc.ca for tips, video tutorials, important links and more
3. Choose ST timetable
4. Add additional courses, up to 30 credits
5. Create multiple worklists
6. Program requirements
7. Missing courses from 1st Year Program

Questions

Following these steps, in order, will get you the quickest answer
1. First, READ this Registration Guide CAREFULLY
2. Read the “basic steps” and other tabs on this webpage: students.engineering.ubc.ca/registration
3. Check students.engineering.ubc.ca/faqs for common answers
4. Read or post questions on Facebook — facebook.com/groups/fy1718 (check the page first to see if someone has asked the question already)
5. 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

ACCEPT YOUR OFFER!
- You will need to accept your offer by signing into [www.students.ubc.ca/ssc](http://www.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 homepage of your SSC account or click here.

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.
- As a 1st Year Transfer student: You will select the BASIC “ST - First Year Engineering (Science Transfer Group)” STT. This STT contains some courses which transfer students typically still need to complete. You will need to individually ADD courses you are missing from your 1st Year Program (needed for 2nd year prerequisites & to graduate). You can drop the courses from the STT you have credit for on registration day.
- You can create multiple worklists containing your preferred STTs and additional courses. Your STT will include courses for both Term 1 and Term 2 (choose Winter 2016 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 a worklist, but can drop courses from your timetable when you are registering. Do not drop any courses from your STT until UBC has awarded you specific credit for a course (don’t assume you will get specific credit, if it is unassigned credit).
- Adding other courses: You can take up to 30 credits, so if you are looking for courses to fill your schedule, you can add an Impact of Technology on Society elective or Humanities/Social Sciences elective. If you have all your 1st Year Math courses completed, you could consider taking a second year Math course to work ahead (see page 5). Check the UBC Calendar course requirements for the programs you are interested in (however, be aware that you are not guaranteed placement in any specific program, so taking courses that satisfy one program but not another may be a risk).
- If you have unassigned credit (e.g. MATH 1st (3)) which you would like specific UBC credit for, you can request a reassessment of credit. Follow the steps outlined here on our website. Register for the courses you need and you can change your registration if you receive additional credit through your request.
- Ist Year Students hoping for 2nd Year Placement: If you completed coursework for 27 credits of our First Year Program by April 30, you should be promoted to 2nd year, and you should have filled in a program preference form (please phone us if you have not been promoted or have not filled in the form).

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REGISTER!
- Log into your account on the SSC, select the worklist you’d like to register, and click “Register All” to register all the courses in this worklist.
- 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 Official 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 the page first! See also “Troubleshooting registration” section at the end, and if you still cannot resolve your issue, contact 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.

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...
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.

— Jacob Bayless, Engineering Physics Graduate

CONNECT
• Join the “Official UBC Engineers First Years 2016-2017” Facebook group. This is the official Facebook group for your year group. Connect with future classmates, 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! This is how you will 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 start receiving this automatically (keep your email address updated in the SSC!). You should get the first one in August, and then in September you’ll receive it weekly on a Sunday evening. Read it to be informed.

• Get Involved - Best way to make friends! Join a student design team, a club, the EUS, the fraternity, the sorority, or start your own. You can explore your options now by going to our website: students.engineering.ubc.ca/have-some-fun. Or wait till you get here and attend “Club Days” in September (check the e-nEUS).

ORIENTATION - don’t miss out!!
• 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 the many ways you can get involved on campus.
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
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.

New students don’t normally need to consult an advisor before registering.

If you have a question, try our webpage www.students.engineering.ubc.ca/registration, our FAQs page or the First Year Facebook page first. If, after reading this guide, reading the FAQs and looking at the questions posed on Facebook and your question is still not answered, please contact us - see 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 make sure you have followed the steps on page 7 under ‘Questions’ first:
604 822 6556

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/services/publications/e-neus (emailed to you every Sunday - read it!)
• Your First Year Facebook Group: facebook.com/groups/ty1617 (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

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