



# UBC Engineering Open House

November 2023

## Your future starts here.

Discover the future that awaits you when you study engineering at one of Canada's top schools.

Our Open House introduces you to what UBC Engineering offers students like you: people who want to design, develop and create something new. People who want to use their knowledge to improve lives and solve some of our world's most complex challenges.

Tour our buildings and labs, talk with students and faculty, and get your questions answered. Over the course of your visit, you can learn about:

- **our 14 engineering programs**
- **student life**
- **co-op and other work experience**
- **opportunities to study and work internationally**
- **extracurriculars and clubs**
- **student Engineering Design Teams**

There's nothing like an in-person tour of labs and classrooms or talking with profs and current students to really get a sense of what it would be like to study engineering at UBC. Make the most of your visit!

### START EXPLORING

#### **Academic Program Fair**

10 AM - 2 PM

Kaiser Building Atrium &

Kaiser Building second floor rooms 2020 / 2030

Meet representatives from each of our 14 programs – from biomedical engineering to mining engineering – and learn about the many career pathways available to you as an engineer.

#### **Engineering Design Teams**

10 AM - 2 PM

Chemical and Biological Engineering Atrium,

Civil and Mechanical Engineering Building Atrium

Engineering Student Centre & Engineering Design Centre Courtyard

UBC has more than 30 Engineering Design Teams where students work together on design projects and gain hands-on experience. Teams will be showcasing their work at four locations – stop by and expect to be amazed!

#### **Labs and Demonstrations**

10 AM - 2 PM

Chemical and Biological Engineering Building,

Fred Kaiser Building & MacLeod Building

Visit our world-class labs and watch demonstrations to see engineering in action.

#### **Discover New Spaces**

10 AM - 2 PM

MacLeod Building

Explore the recently renovated MacLeod Building and see our new engineering classrooms, labs and study spaces.

Sit in a lecture hall to watch recordings from our **Virtual Open House** about **UBC Engineering Admissions** or **Why Engineering** in MCLD 2018 and MCLD 2002.

# UBC Engineering Open House

Discover the potential of engineering and discover your potential to make a difference.

## A PROFESSIONAL DEGREE FOR THE FUTURE

Come talk with faculty members, staff and students at our Academic Program Fair. This is a great opportunity to learn more about the wide range of engineering programs offered at UBC and discover some of the career pathways available with a degree in engineering.

## LIST OF ACADEMIC PROGRAMS AND SERVICES

**Bachelor of Urban Studies**

**Chemical and Biological Engineering**

**Civil Engineering**

**Co-op Program**

**Electrical and Computer Engineering**

**Engineering Academic Services**

**Engineering Physics**

**Environmental Engineering**

**Geological Engineering**

**Integrated Engineering**

**Manufacturing Engineering**

**Materials Engineering**

**Mechanical Engineering**

**Mining Engineering**

**School of Biomedical Engineering**

**School of Engineering (Okanagan)**

**UBC Geering Up-Engineering Outreach**

## BUILDINGS KEY

**#1 Fred Kaiser Building**

**#2 MacLeod Building**

**#3 Civil and Mechanical Engineering Building**

**#4 Engineering Student Centre**

**#5 Engineering Design Centre**

**#6 Chemical and Biological Engineering Building**



Gender-inclusive washrooms can be found on the first floor of MacLeod and Chemical and Biological Engineering buildings.

Most of our building entrances are accessible, but you can also map out an accessible route using [UBCs Wayfinding website \(maps.ubc.ca\)](https://maps.ubc.ca)



THE UNIVERSITY OF BRITISH COLUMBIA

**Engineering**

Faculty of Applied Science

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# UBC Engineering Open House

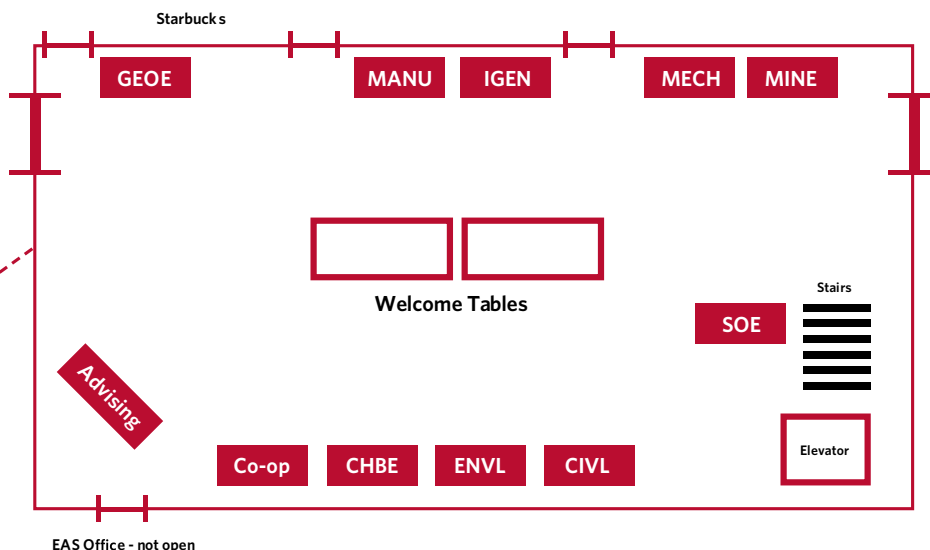
## Academic Program Fair - Booth Locations

### DISCOVER THE 14 ENGINEERING PROGRAMS THAT WE HAVE TO OFFER

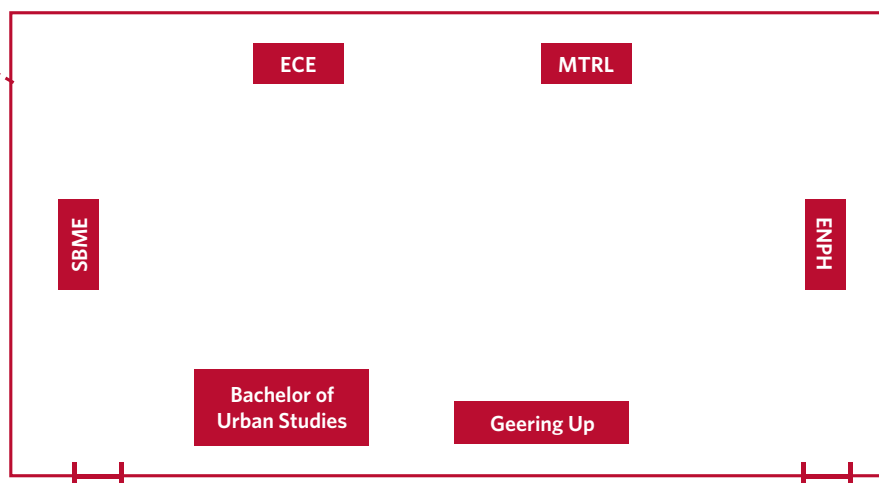
Take the opportunity to explore your options, ask questions to the programs and discover the range of engineering available to you. offered at UBC and discover some of the career pathways available with a degree in engineering.



### KAISER ATRIUM



### KAISER 2020/2030



### PROGRAM BOOTH KEY

**ADVISING** - Engineering Academic Services

**Bachelor of Urban Studies**

**CHBE** - Chemical and Biological Engineering

**CIVL** - Civil Engineering

**ECE** - Electrical and Computer Engineering

**ENPH** - Engineering Physics

**ENVL** - Environmental Engineering

**GEOE** - Geological Engineering

**IGEN** - Integrated Engineering

**MANU** - Manufacturing Engineering

**MINE** - Mining Engineering

**MECH** - Mechanical Engineering

**MTRL** - Materials Engineering

**SBME** - School of Biomedical Engineering

**UBCO** - School of Engineering: UBC's Okanagan Campus

**GEERING UP**: UBC Geering Up - Engineering Outreach



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Find your community at UBC Engineering - a place where you'll be supported and challenged to make a difference.

## ENGINEERING DESIGN TEAMS AND E-IDEAS CLUBS

Head over to the Engineering Student Centre, Civil and Mechanical Engineering Building Atrium, Chemical and Biological Engineering Atrium, Engineering Design Centre Courtyard and Kaiser Room 1180 to check out UBC's Engineering Design Teams. UBC Engineering has more than 30 teams you can join to work on projects with your peers.

From building soccer-playing robots to developing an innovative drug delivery system to tackle brain cancer, student teams work together to solve complex problems.

## LIST OF ENGINEERING DESIGN TEAMS

<b>Formula UBC Racing</b>	<b>UBC Formula Electric</b>
<b>Gears &amp; Queers</b>	<b>UBC Rapid</b>
<b>Mars Colony</b>	<b>UBC Rover</b>
<b>Open Robotics</b>	<b>UBC Sailbot</b>
<b>SUBC</b>	<b>UBC Seismic</b>
<b>UBC AeroDesign</b>	<b>UBC Solar</b>
<b>UBC Agrobot</b>	<b>UBC Steel Bridge</b>
<b>UBC Baja</b>	<b>UBC Subbots</b>
<b>UBC Biomedical Engineering</b>	<b>UBC Supermileage</b>
<b>Student Team</b>	<b>UBC Thunderbikes</b>
<b>UBC BIOMOD</b>	<b>UBC Thunderbots</b>
<b>UBC Brewing Internet of Things (BioT)</b>	<b>UBC Uncrewed Aircraft Systems</b>
<b>UBC Chem-e-Car</b>	<b>UBC Vulcan</b>
<b>UBC Concrete Canoe</b>	

## BUILDINGS KEY

- #1 [Fred Kaiser Building](#)
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Engineers are changing the world – designing the products, processes and technologies that are building a better future.

## LABS AND DEMONSTRATIONS

Drop by some of our world-class labs and visit the locations below to watch demonstrations and see engineering in action:

### 10 AM - 2 PM

Chemical and Biological Engineering Demonstrations  
[Chemical and Biological Engineering Atrium](#)

Chemical and Biological Engineering Undergraduate Lab  
[Chemical and Biological Engineering Building room 102](#)  
Meet in the classroom before proceeding to the lab

Engineering Physics Robot Demonstration  
[Fred Kaiser Building second floor](#)

First-Year Projects  
[Engineering Design Centre](#)

Mechanical Engineering Machine Shop  
[Fred Kaiser Building room 1190](#)

Mechanical Engineering Undergraduate Lab  
[Fred Kaiser Building room 1180](#)

Electrical and Computer Engineering Makerspace  
[MacLeod Building Room 1016](#)

Electronic Assembly Lab  
[MacLeod Building Room 1022](#)

Coal and Mineral Processing Lab  
[Fred Kaiser Atrium Program Booth - MINE](#)

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## RECORDED PRESENTATIONS

Stop in to an undergraduate lecture hall to watch select recordings from our Virtual Open House playing on repeat throughout the day.

UBC Engineering Admissions  
[MacLeod room 2018](#)

Why Engineering  
[MacLeod room 2002](#)



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Ready to get started? Check out the links below to learn more about admissions and the application process, and to get inspired by all offered at UBC Engineering.

## ADMISSIONS

Find out about admissions requirements for [high school students](#) or [transfer students](#)

## APPLY

Learn about the [application process](#) and [deadlines](#)

## EXPLORE

Watch our videos from our [Virtual Open House](#)

Read about our [incredible students and alumni](#)

Find the [design team](#) of your dreams

## JOIN US

We hope you'll join us on campus in September 2024!

Until then, stay up to date with the latest by following Engineering Stories on [YouTube](#), [Instagram](#) and [TikTok](#).

Subscribe for updates by signing up for our [Email list](#).



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