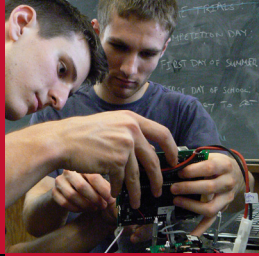


EXPLORE YOUR OPTIONS



WELCOME CENTRAL:

FRED KAISER BUILDING

START HERE!!! Register at the Welcome Central booth in the Kaiser Atrium (2332 Main Mall) when you arrive (by Starbucks)! At Welcome Central, you can collect this program and obtain general information about UBC Engineering. **Don't forget to pick up your Discover-E Passport in order to win great prizes!**

ADVISING LOUNGE!

Questions about admissions? Questions about courses? Questions about anything at all? Come talk to one of our Engineering Student Services Advisors - opposite the Welcome Central Booth.

PRESENTATIONS AND LAB TOURS

What are Super Materials that Can Change Our World? Ever been to a genomics lab? Attend lab tours, presentations and participate in hands-on demonstrations. Learn what engineering is, as well as the program options at UBC. Sign up to join the tours when you arrive (first come first serve - some labs have limited capacity). Additional lab tour information will be available at each department's Academic Booth.

DISCOVER-E PASSPORT

Want to win great prizes? Who doesn't?! Stop by Welcome Central to REGISTER and collect your Discover-E Passport. It's pretty simple - you get a point for every presentation, tour and booth you visit. Completed passports are to be dropped off at the Student Life Fair in the Wayne and William White Engineering Design Centre (WWW EDC), where you will be entered for fabulous prizes.

STUDENT LIFE FAIR (LOCATED IN THE WWW EDC- SEE MAP)

There's more to university than what happens in the classroom. Visit the engineering student clubs, student teams, Community Service Learning and Student Development booths in the Wayne and William White Engineering Design Centre (WWW EDC). We will have information on the support services available to you, as well as highlight some interesting opportunities to get involved once you are a UBC student.

STUDENT TEAMS (LOCATED IN THE WWW EDC- SEE MAP)

Are you interested in getting involved in extracurricular activities? Looking for real-world, hands-on, design, competition, team and leadership experience? This is your chance to get to know a few student teams who work on



ENGINEERING
NOVEMBER 26, 2011

OPEN HOUSE
9AM-4PM

projects, such as formula racecars, robotics and more! Our teams will be on hand throughout the day in the Wayne and William White Engineering Design Centre (WWW EDC) to share their experiences with you.

CAMPUS TOURS

The best way to get a feel for your new home for the next few years is to take a campus tour! You can take a self-guided walking tour that includes all the main points of interest at UBC. Pick up your walking tour guide booklet at the Welcome Central Booth.

ACADEMIC BOOTH FAIR

Professors and current students from all engineering programs will be available from 9 am to 4 pm in the atrium of the Kaiser Building to provide information about all of your choices here at UBC. Not too sure what to ask? Then plan to attend some presentations to get your noodle working!

ENGINEERING ACADEMIC PROGRAMS

CHEMICAL AND BIOLOGICAL ENGINEERING

Chemical and Biological Engineering provides exciting opportunities to learn about the transformation of raw materials into valuable products by chemical, biochemical or physical processes. Visit our booth in the Academic Fair to get more information on exciting career opportunities in this field!
www.chbe.ubc.ca

CIVIL ENGINEERING

Civil engineers apply technology to benefit our global society. Their work ranges from searching for cleaner energy sources to ensuring safe infrastructure, to designing landmark buildings, to protecting water supplies, to analyzing cityscapes for a better way to organize populations. Civil engineers work in teams across various disciplines in order to solve the technical challenges faced by society in the 21st century. This department is home to the Earthquake Engineering Research Facility and the innovative Civil Engineering Design Studio, among others! Lab tours and demonstrations related to civil engineering will be offered throughout the day! Visit the Academic Booth Fair for more info.
www.civil.ubc.ca

ELECTRICAL AND COMPUTER ENGINEERING

The Department of Electrical and Computer Engineering (ECE) offers programs in areas ranging from electrical energy and robotics to communication and information technologies, to micro/nanotechnology and biomedical engineering. Our undergraduate students benefit from strong emphasis on project work in addition to learning theory. We also offer graduate programs at both

Master's and Doctoral levels to a large student body from all over the world. At the Open House, we will have booths introducing our various undergraduate options (Software, Energy, Biomedical Engineering, Nanotechnology and Microsystems), a number of live demos, presentations and project displays, and tours of both teaching and research laboratories.

www.ece.ubc.ca

ENGINEERING PHYSICS

With a strong foundation of challenging academics, project courses, and co-operative work experience, the Engineering Physics Program provides students with the skills and experience needed to develop cutting-edge new technology and interdisciplinary engineering projects. Presentations, drop-in demonstrations and a mini-design competition will be ongoing from 10am - 2pm in MCLD 202, so drop by and check out the Engphys Program.

www.engphys.ubc.ca

ENVIRONMENTAL ENGINEERING

Environmental engineering is the application of science and engineering principles to improve air, land, water and living systems for a healthy environment. Environmental engineers help control and decrease adverse environmental impacts by applying beneficial engineering practices. They also investigate the possibilities for remediation of polluted sites.

www.enve.ubc.ca

GEOLOGICAL ENGINEERING

If you love the outdoors, care for the environment, are curious about how the Earth works and thrive on practical challenges, Geological Engineering could be the program for you. There are lots of exciting career opportunities including construction, environmental protection, transportation, energy, mining and government. And graduates have great opportunities for travel. Stop by the Academic Booth Fair to learn more!

www.eos.ubc.ca

INTEGRATED ENGINEERING

The innovative Integrated Engineering (IGEN) program offers a multidisciplinary undergraduate engineering education. Students take courses in core subjects and elective courses in at least two of the traditional engineering disciplines. IGEN provides design and project management experience by means of design project courses taken in each year of the program. Technical skills, communication skills, and the ability to work with others to complete challenging projects are emphasized in these courses. Visit us at the Academic Booth Fair for more information!

www.igen.ubc.ca

MATERIALS ENGINEERING

Materials have an important role in every field of engineering. The materials we use and how we make them can determine the function, feasibility, cost, environmental impact and many other aspects of things we create. Materials engineers bring their expertise to almost every industry around the world, from mining and manufacturing to aerospace, advanced electronics and healthcare. Visit our activity room in KAISER 1110 at any time during Open House for a hands-on experience of some leading-edge materials and to find out how UBC materials engineers are working to solve some of the biggest engineering challenges of our day.
www.mtrl.ubc.ca

MECHANICAL ENGINEERING

If you want to make an impact on today's rapidly changing world, UBC Mechanical Engineering will give you skills to design and create new solutions to some of society's biggest problems — energy, transportation, affordable and appropriate technology for global development, biomedical innovations to save lives, and mechatronics and microtechnology to pave the way for tomorrow's economy, and more. Our award-winning curriculum emphasizes a practical, hands-on approach, and a holistic education that goes beyond the academics. Sound intriguing? Visit us at the Academic Booth Fair to get a schedule of lab tours and other fun events.
www.mech.ubc.ca | www.thinkmech.ca

MINING ENGINEERING

Mining Engineering is all about the extraction and processing of ores containing valuable minerals or metals, and has always been one of the most critical contributors to human social and economic life. Mining engineers are concerned not only with the production and processing of minerals, but also charged with preventing lasting damage to the environment as a result of that production and processing. The Keevil Institute of Mining Engineering at UBC is dedicated to producing mining engineers that are able to meet the complex challenges of an ever-changing world. Learn more by stopping by the Academic Booth Fair.
www.mining.ubc.ca

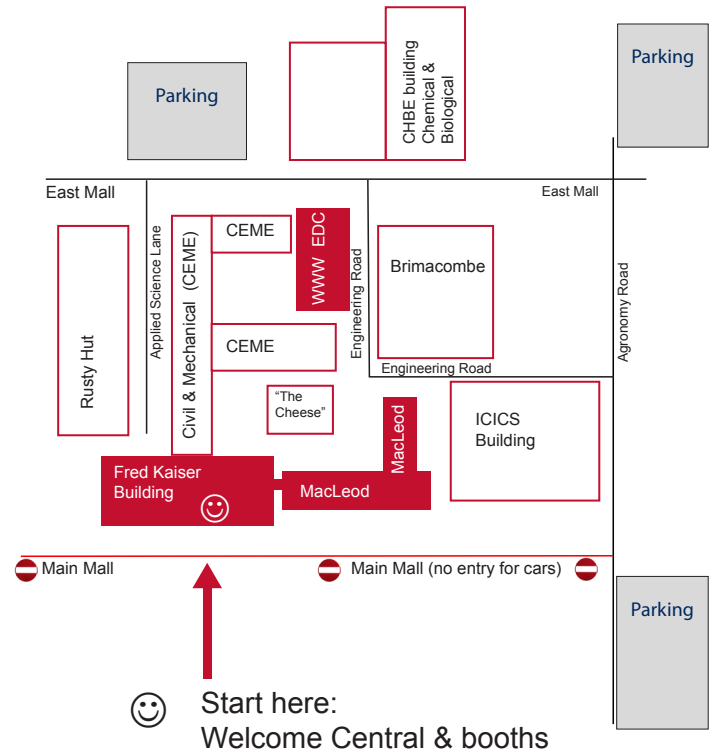
UBC OKANAGAN ENGINEERING

UBC Okanagan's School of Engineering offers a unique and innovative curriculum to prepare students for the realities of engineering practice. Team-based project learning encourages students to integrate engineering applications within a team environment and to foster interdisciplinary thinking. Specializing in one of the core engineering disciplines offered by UBC Engineering provides students a solid engineering foundation. Come to the Welcome Central booth for more information.
www.ubc.ca/okanagan/engineering

CO-OPERATIVE EDUCATION PROGRAM

The Engineering Co-op Program will enhance your education with paid, relevant, technical work experience and launch your engineering career. Find out more about this exciting opportunity by attending one of our presentations or by visiting us at the Academic Booth Fair.
www.ubcengineeringcoop.com

UBC Engineering Open House Fair Map



😊 Start here:
Welcome Central & booths

Main Entrance
2332 Main Mall

FOR QUESTIONS OR INQUIRIES PLEASE E-MAIL
outreach@apsc.ubc.ca

MORNING PRESENTATIONS

MORNING SCHEDULE 10AM - 1PM		
10:00 - 10:20AM	UBC ENGINEERING "What is Engineering?" MCLD 228	ELECTRICAL & COMPUTER ENGINEERING "21st Century Classroom" KAISER 2030
10:30 - 10:50AM	ENGINEERING CO-OP "Your Career Starts Here: Join Co-op" MCLD 228	CHEMICAL & BIOLOGICAL ENGINEERING "Making the products you use every day" MCLD 242
11:00 - 11:20AM	ENGINEERING PHYSICS "What is Engineering Physics?" MCLD 202	ELECTRICAL & COMPUTER ENGINEERING "Get Smart" KAISER 2030
11:30 - 11:50AM	ENGINEERS WITHOUT BORDERS (Student Group) "What We're All About" MCLD 214	
12:00 - 12:20PM	MATERIALS ENGINEERING "Super Materials that Can Change Our World" MCLD 214	ELECTRICAL & COMPUTER ENGINEERING "21st Century Classroom" KAISER 2030
12:30 PM	MECHANICAL ENGINEERING "Changing the World – One Tiny Thing at a Time" MCLD 228	

AFTERNOON PRESENTATIONS

AFTERNOON SCHEDULE 1PM - 3PM			
1:00 - 1:20 PM	UBC ENGINEERING "What is Engineering?" MCLD 228	ELECTRICAL & COMPUTER ENGINEERING "Who in the world wants to be an Electrical or Computer Engineer?" KAISER 2030	
1:30 - 1:50PM	ENGINEERING CO-OP "Your Career Starts Here: Join Co-op" MCLD 228		
2:00 - 2:20PM	CIVIL ENGINEERING "Becoming a Global Engineer" MCLD 214	ELECTRICAL & COMPUTER ENGINEERING "21st Century Classroom" KAISER 2030	
2:30 - 2:50PM	CIVIL ENGINEERING <ul style="list-style-type: none"> Seismic Restraint Measures for Large Industrial Equipment in Buildings Development of Hybrid (Steel/Timber) Low- and Mid-Rise Buildings MCLD 214	ENGINEERING UNDERGRADUATE SOCIETY (EUS) & STUDENT SERVICES (ESS) "What to Expect" Student Panel MCLD 242	
3:00 - 3:20PM	MECHANICAL ENGINEERING "Transforming Human-Robot Interaction" MCLD 228	ELECTRICAL & COMPUTER ENGINEERING "21st Century Classroom" KAISER 2030	ENGINEERING PHYSICS "Design Tools and Facilities for UBC Undergrads" MCLD 202

Please check on-line schedule for the most up-to-date information as well as tour information:
WWW.ENGINEERING.UBC.CA/OPENHOUSE

MCLD MacLeod Building, 2356 Main Mall (connected to Kaiser Atrium)
 KAISER Fred Kaiser Building, 2332 Main Mall (main Fair location)

ADDITIONAL DISPLAYS

The additional displays have been designed to let you explore specializations within engineering in more depth.

STUDENT DESIGN COMPETITION TEAMS

WWW EDC*

(See description on overleaf)

ELECTRICAL AND COMPUTER ENGINEERING KAISER 2020

Visit displays of projects related to a number of different paths in electrical and computer engineering (software; energy; communications; robotics; bio; micro and nano).

ENGINEERING PHYSICS - ROBORACERS COMPETITION MACLEOD 202 - 10 AM - 2 PM

Watch "Robo-Racers" built by 2nd year undergrad engineering physics students in only 6 weeks. Preprogrammed robots operate without remote control to avoid obstacles and race around while avoiding other robots on the 2-lane track.

MATERIALS ENGINEERING KAISER 1110

Get hands-on with some leading-edge materials and explore the challenges and possibilities of Materials Engineering.

MECHANICAL ENGINEERING KAISER 1180

Design and build a wind turbine blade, and sign up for a testing session in the Parkinson Wind Tunnel. See how much energy your blade can generate, and possibly win a prize! Limited test sessions are available, so be sure to visit us early in the day to sign up.

* Wayne & William White Engineering Design Centre (see map - WWW EDC)

TOURS

CHECK EACH DEPARTMENT BOOTH AS **SOME TOURS ARE NOT ON THIS PROGRAM**. The tours below are approximately twenty minutes in length, and will leave from the Kaiser 1180 (look for the "TOURS" sign) promptly at the time displayed below. Capacity is limited on some tours, so come early to sign up.

Time	TOURS LEAVE FROM KAIS 1180 (LOOK FOR SIGN IN ATRIUM)		
9:00 AM	Manufacturing Automation Lab		
9:30 AM	Boreal Genomics Lab	Biomedical Engineering	Manufacturing Automation Lab
10:00 AM	Control Engineering Lab	Dynamics and Applied Mechanics Lab	
10:30 AM	Control Engineering Lab	Dynamics and Applied Mechanics Lab	System-on-Chip Lab
11:00 AM	Lab for Wireless Networks & Mobile Applications	Pulp & Paper Fibre Lab	Renewable Resources Lab
11:30 AM	Renewable Resources Lab	Pulp & Paper Fibre Lab	
12:00 PM			
12:30 PM	Applied Fluid Mechanics Lab	CARIS Robotics Lab	
1:00 PM	CARIS Robotics Lab	Applied Fluid Mechanics Lab	Biomedical Engineering
1:30 PM	CARIS Robotics Lab	Microelectromechanical Systems Lab (MEMS)	
2:00 PM	CARIS Robotics Lab	3D Innovations Lab	



ENGINEERING
NOVEMBER 26, 2011

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