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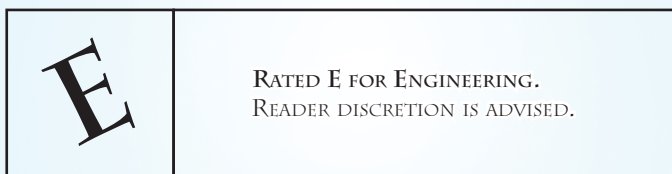


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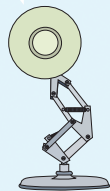


## ENGINEERING CODE OF ETHICS

WE, THE STUDENTS OF THE FACULTY OF APPLIED SCIENCE AND ENGINEERING, BY VIRTUE OF THE PRIVILEGE OF BEING HERE, REPRESENT SKULE™ TO THE LARGER SOCIETY. WE HAVE, THEREFORE, A SPECIAL DUTY TO EXEMPLIFY THE BEST QUALITIES OF THE FACULTY AND TO OBSERVE THE HIGHEST STANDARDS OF PERSONAL AND PROFESSIONAL CONDUCT. IN SO DOING, WE PROMOTE OURSELVES AND THE MERITS OF THE UNIVERSITY, THE FACULTY, AND THE ENGINEERING SOCIETY.

IN OUR WORDS AND ACTIONS:

- ◆ WE EMBODY THE RESPECT FOR TRUTH, INTEGRITY, FAIRNESS, FREE INQUIRY, AND THE OPINIONS OF OTHERS.
- ◆ WE RESPECT ALL INDIVIDUALS WITHOUT REGARD TO RACE, COLOUR, SEX, CREED, SEXUAL ORIENTATION, ETHNIC OR NATIONAL IDENTITY, DISABILITY OR AGE.
- ◆ WE FOLLOW THE LETTER AND SPIRIT OF LAWS AND REGULATIONS INCLUDED IN THE CANADIAN CHARTER OF RIGHTS AND FREEDOMS, AND THE ONTARIO HUMAN RIGHTS CODE.
- ◆ WE OBSERVE THESE STANDARDS AND ACTIVELY ENCOURAGE OUR COLLEAGUES TO JOIN US IN SUPPORTING THE HIGHEST STANDARDS OF CONDUCT.





## LETTER FROM THE EDITURD

Hey Flrosh,

Welcome to Skule™! I can't believe you 1T7s are about to begin your journey into Engineering right here at U of T. You'll love it just as much as I did and perhaps more (trust me on this one).

While you begin your adventures (by first reading through every page of this lovely handbook), I am sure I'll be finding ways to remind myself why I should save my work every 10 minutes or less and rejoice at the fact that the handbook is actually completed for your reading enjoyment.

I hope you guys find this handbook just as useful as I found mine but, if you have any questions regarding the handbook or would like to find out how you can take lead for next year's, e-mail me at [handbook@skule.ca](mailto:handbook@skule.ca)!

Rejuana Alam  
Flrosh Handbook Editurd-in-Chief 1T3-1T4

Ps. This handbook could not have been done without these lovely faces below (my co-editurds) who worked tireless hours taking this handbook to infinity and beyond!

HELEN MENG



#Orientation

WATHSALA WALISUNDARA



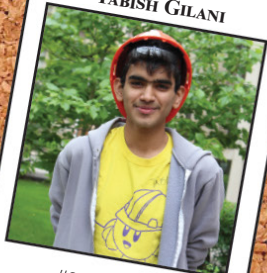
#Traditions

BRANDON CHU



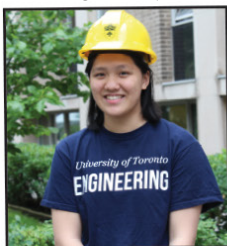
#Academics

TABISH GILANI



#SkuleTM

POLLY LIN



#StudentLife

???



#WeAreWatching





The Team <3

## THANK YOU :)

Aaron Weber, Ahnaf Tahmid, Albert Lo, Alvin Sukmadji, Anastasiya Martyts, Andrew Kostruba, Andrew Nestico, Andrew Ng, Anita Tran, Areeba Zakir, Barry Fung, Beaver Chih, Bob Kong, Bryon Leung, Catherine Tran, Chi Yu Wei, Chiara Portoraro, Cory Sulpizi, Dory, Elizabeth De Rooode, Emma Sexton, Ena Verma, Graham Perry, Hao Wu, Harry Khachatrian, Heeno Meorie, Isabella Huang, Jacob Ritchie, Jai Bansal, James Shan, Jenisse Minott, Jennifer U, John Eric Norris, Judy Shen, Kandice Lau, Karan Shukla, Kate Lonergan, Katlin Kreamer-Tonin, Kevin Rupasinghe, Kevin Wang, Lillian Zhang, Linda Shen, Madeleine Sells, Meghan Lele, Michael O'Dwyer, Naushin Hooda, Nicholas Chin, Nick Robson, Nicole Doucette, Omar Ismail, Prashant Meghnath, Qi Pan, Rehnuma Alam, Ryan Gomes, Sabrina Sikora, Saloni Sabharwal, Seth McDermott, Shaswat Sharma, Stephanie Gaglione, Syid Khan, Tianyu Zhao, Vinod Suthakaran, Orientation Committee 1T3 and anybody else who I may have missed out.

**A SPECIAL THANKS GOES TO:** Helen Zhang & Sapna Kukkar (Dem Characters), Fionna Gan, Aakansha Pangler, Thomas Santerre, Maurico Curbelo, Rhonda Meek, Engineering Society Officers & Directors, Mario Baker & Mario's Ass, Chief Attiliator, LGMBear, Discipline Clubs, Enoch Yoo, Massimo Gordillo, Scott Robertson, Scott's Camera, Billy Wong, Jimmy Lu, Past Handbooks (1993-2012), Adobe InDesign/Illustrator/Photoshop, Dropbox, Facebook, Colin Parker, Ryan Brackenbury, Jieun Veronika Kim, Tabish and Helen's Scanners, First Year Office & Registrar's Office, Google Drive, Harmony Printing, Steve Jobs, Pixar, Pixar Lamp, Pixar Ball and Professor John Galbraith & GB Lobby.

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# ORIENTATION INC





## CHAIR'S MESSAGE / F!ROSH WEEK FAQ



SKULE™  
**f!rosh week**  
1T3

Welcome to Skule™!

As your Orientation Chair, I am incredibly excited to provide the F!rosh (that's you!) with the most fun and exhilarating way to get acquainted with the Faculty of Applied Science

and Engineering, Skule™, campus, and the city of Toronto. F!rosh Week 1T3 is all about encouraging the class of 1T7 (that's you again!) to explore the many exciting opportunities available to you as a student at the University of Toronto and to get you out of your comfort zone to grasp these opportunities!



We have organized a variety of events for you to participate in. There's academic training to prepare you for the gruelling years ahead, F! Olympics to get your blood pumping, a Clubs Fair to show you all the fun extracurriculars at Skule™, and so much more. From dyeing yourself purple to running through Toronto looking for items in the Havenger Scunt, I can assure you, F!rosh Week will be the most adrenaline-pumping, record-breaking, best-welcome-greeting week ever!

Congratulations on accepting your offer and I look forward to seeing you at F!rosh Week!

Your Sheriff and Space Ranger for F!rosh Week,

**Vivek Kesarwani**  
Orientation Chair 1T3

## F!rosh Week FAQ

### What is F!rosh Week? Why Should I Go?

It's a fun week of social events to kick off your university experience. You'll make great friends, and since the Engineering Society runs the best orientation on campus at an affordable price, it's definitely something you wouldn't want to miss out on!

### F!rosh? Skule™? Leedurs? α? β? γ?

- ◆ The incoming class of 2013 (that's you!) is called F!rosh (we're so excited, the "!" couldn't wait until the end).
- ◆ "Skule™" is our way of saying "school". We don't spell, we engineer!
- ◆ "Leedurs" are friendly upper years who help organize the events during F!rosh Week. Feel free to ask them any questions about Skule™, or just say hi and talk!
- ◆ "Head Leedurs" are your captains for the week and are in charge of your respective F!rosh groups, each of which is distinguished by a Greek letter!



# F!ROSH FAQ

## What Do I Do Now?

1. Register for F!rosh Week at [orientation.skule.ca](http://orientation.skule.ca)
2. Join us on Facebook ("Skule" page) and Twitter (@Skule\_FroshWeek, #FWeek)!

## What Do I Get By Registering?

- ◆ Unlimited access to all F!rosh Week events
- ◆ F!rosh Kit, filled with all sorts of goodies!
- ◆ Access to Hart House Farm, our optional camping trip that caps off your F!rosh Week experience!
- ◆ Commuter services (check out the Commuter Program on our website)
- ◆ Accessibility services if you require them
- ◆ You do not need to register for Faculty events like classes and the Engineering Entrance Aptitude Test (but those are no fun anyway)

## What is in my F!rosh Kit?

- ◆ Your first hardhat!
- ◆ A laundry bag
- ◆ Two orientation T-shirts
- ◆ A towel
- ◆ Flip-flops
- ◆ A clipboard
- ◆ FREE ticket to SkuleNite
- ◆ FREE ticket to F!rosh Nite
- ◆ Lots of other SWAG!

## What Do I Bring to the First Day?

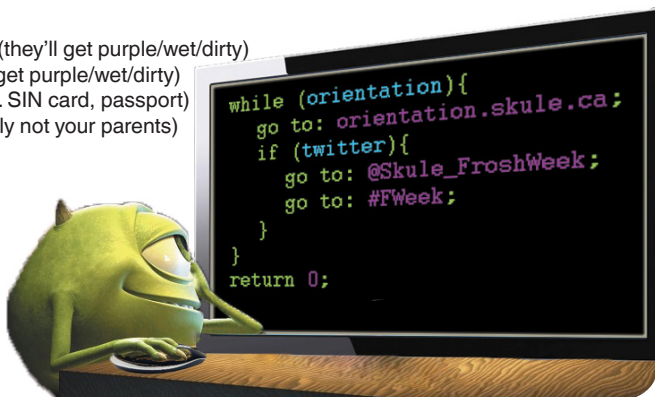
- ◆ Pre-order receipts for registration, or money to register
- ◆ T-Card and health card
- ◆ Skule™ spirit!

## What Do I Wear?

- ◆ Weather-appropriate clothing (rain or shine!)
- ◆ Comfortable walking shoes
- ◆ Sunscreen

## What NOT to bring?

- ◆ Expensive electronics (they'll get purple/wet/dirty)
- ◆ Nice clothes (will also get purple/wet/dirty)
- ◆ Anything valuable (incl. SIN card, passport)
- ◆ Your parents! (especially not your parents)





## F!ROSH WEEK SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday/ Sunday	
08:00	Registration					Hart House Farm	
09:00	Matriculation	Engineering Entrance Aptitude Test	Fun With Faculty	Class (SUDS?)	Class (SUDS?)		
10:00							
11:00	F!rosh Olympics	Department Lunch					
12:00			Campus Tours				
13:00			Bed Races	Parade			
14:00	F!rosh Photo	Clubs Fair			Faculty Presentations		
15:00					Ninja Games		
16:00	Downtown Walkaround	Buskerfest	Discipline Club Activities				
17:00		Toronto Argos Game					
18:00	Dinner						
19:00	Tutorial						
20:00	Spark	Movie Night	F!rosh Nite	Havenger Scunt			
21:00							
22:00							
Late							
	F!rosh Week		Faculty Event		Student-run Event		

NOTE: Suds, our student-run pub, is open every Friday evening during the school year and will be open every evening throughout F!rosh Week!

## F!ROSH EVENTS



### Matriculation

Matriculation marks the beginning of F!rosh Week and your life here at Skule™. This will be your first exposure to Skule™ life, tradition, and spirit. Upon arrival, drop by Convocation Hall to register, pick up your Frosh Kits, wear your hardhat, and proudly don your F!rosh t-shirt. Get to know your F!rosh group and when the time comes, head into Convocation Hall. There, you will learn what Skule™ has to offer, what you can look forward to in the years to come, and most importantly, become the engineering class of 1T7.

### Campus Tours

Now that you have received your hardhats and t-shirts, it's time to complete your engineering swag by taking a dunk in the tub of purple goodness! You'll also get familiar with the seemingly complex St. George campus as you explore different locations with your leedurs. But beware of lurking Art-sies who will try anything to get their hands on your hardhats!



### Downtown Walkaround

Tired of walking? Well you're not done yet, because we are about to go on the most exhilarating journey through downtown Toronto! Explore this wondrous city in which our humble Skule™ resides and show everyone what Skule™ pride is all about! Navigate through all the main attractions of downtown Toronto and feel the exhilaration of screaming Skule™ chants at the top of your lungs, storming malls, stopping traffic and causing a ruckus near City Hall - for an afternoon, the city is yours. This is a must-attend event of F!rosh Week and one you WON'T want to miss! Seriously, you will not regret it!





## F!ROSH EVENTS

### Engineering Entrance Aptitude Test (EEAT)

The Engineering Entrance Aptitude Test is an aptitude test written by all incoming engineering students, covering high school mathematics and science. It is used as a performance review to aid the University in judging the quality of high school education around the world. Results from the test do not in any way affect your academic standing; in fact, results are anonymized before being released to the Faculty's Departments. Nonetheless, to ensure that the test obtains an accurate picture of the incoming class, each student must write their student number and sign beside their name on the sign-in sheet provided by their room's invigilator.

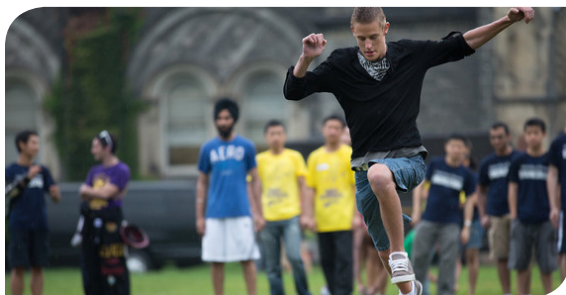
P.S. Don't be scared. To help you brush up on any math and science you may have forgotten over the summer, upper-year students run a tutorial the night before the test. Held in MacLeod Auditorium (room 2158) in the Medical Sciences Building, the tutorial will quickly go through the material covered on the test before providing instruction on proper test-taking procedures at the University. Attendance is strongly advised, as this is the only time you'll get to ask questions about the test before writing it.

### Movie Night

Test tomorrow? You know you're ready so why study an hour more? Wind down to a movie instead. After your tutorial, come by to watch a movie instead of studying. Trust me - it's worth your while.

### F!rosh Olympics

Do you have what it takes to become a member of the Incredibles? To carry on the fight against evil? Prove your heroic abilities and outstanding potential through a series of heart-pumping activities and blood-rushing obstacles at the F!rosh Olympics. Best of luck, and may you truly be incredible.



### Clubs Fair

There are over 100 different engineering clubs ranging from technical design teams to hobby and cultural groups, so make sure you check out a few! They're always looking for new members, and it's a great way to meet new people who share similar interests as you.



### Charity Buskerfest

Get out of your comfort zone and unleash your creativity to raise money for charity! Make a scene the busiest downtown intersections by playing instruments, forming human pyramids, taping your skulemates on street poles, reenacting scenes from Pixar classics, and whatever else it takes to (legally) raise money for a good cause!

## F!ROSH EVENTS

### Ninja Games

Find out if you're the best Ninja on campus. Compete against fellow students to take home a coveted title for being the best in the Ninja Tournament. If you don't know how to play, don't worry. You're F!rosh leedurs are amazing teachers and will get you ready for the challenges that are about to commence.

### F!rosh Nite

Time for you to boogey on down to the nightclub. Show off your epic dance moves by flying around like Buzz or dancing around like Mike as a disco ball. The more the merrier! With that said, you will be joined by F!rosh from universities and colleges all over Toronto.

### Bed Races

Here you will rev your engines and race to the finish line in a high acceleration, fast speed motion, super exciting car - I mean bed - race. You will race by dragging a bed on King's College Road all the way to the finish line.



### U of T Parade

After a whole week of Engineering awesomeness, you'll join the entire University to march through the downtown core in a U of T Parade (yes, there will be Artsies, lots of them). Grab an instrument and join the Bnad or come along on the engineering float and get ready to make some noise!



### Havenger Scunt

What do a live clown fish, the Stanley Cup, and Barack Obama's birth certificate have in common? These are just a few items that you might end up collecting during this year's Havenger Scunt. Tears will be shed, blood will be bled, mouths will be fed, and things will be said. You'll need all the strength, cunningness, and testicular fortitude to come out victorious in this event. Victory is bundled with bragging rights until you die, or until you graduate (whichever comes first).

### Hart House Farm

After one of the most exciting weeks of your life, wind down for the weekend at the amazing Hart House Farm. You and your fellow F!rosh and leedurs can go swimming in a pond, eat delicious food, play card games, throw Frisbees, sing engineering songs around a fire-pit, and perhaps take part in drinking some BEVERages. You will have to fork out a bit more money for this trip but it's worth it.





## DISCIPLINE DESCRIPTIONS

**STRENGTHS:** ambitions, high energy, always having a trail of male engineers

**WEAKNESSES:** having long hair (causes issues during labs)

**BIO:** Chemical engineering is known for having more female students than the other engineering disciplines - and for high-paying entry-level jobs (especially if you like petroleum). As a chem F!rosh, you will be confronted by the other disciplines for your hand in gas laws (especially by Mechs). After countless proposals and  $PV=nRT$  equations, you'll realize soon enough that the only ring you need is the iron ring!



MERIDA  
Chemical

**STRENGTHS:** battling gravity, equilibrium, being an old man

**WEAKNESSES:** sitting up quickly, really any movement of any type, strong winds, complex math

**BIO:** Mr. Fredricksen faces any civil engineer's worst nightmare: time. As the years have passed, countless windy days, hot summers, and soil erosion have chipped at his structure's integrity. Civs hate these natural forces almost as much as they hate equations that don't equal out to zero. Mr. Fredricksen shares this sentiment. His quaint, colourful erection, once a point of pride, is now shrunken and disheveled.

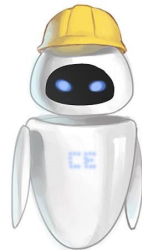


MR. FREDRICKSEN  
Civil

**STRENGTHS:** programming, making friends with Computer Science students, all-nighters

**WEAKNESSES:** falling for Computer Science girls, showers, C compiler, segmentation faults, ECE297

**BIO:** Computer engineers are the EVE (Extraterrestrial Vegetation Evaluator) of engineering; they must be from outer space if they can program for so many hours straight! Expect them to be in a vegetative state of mind from all their time-consuming work, and call them The Evaluator (they did evaluate their own code for HOURS!). Although they're armed with anti-gravity drives and plasma cannons, they will still have some electrical engineers chasing them, wanting to hold their hands.

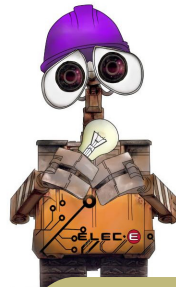


EVE  
Computer

**STRENGTHS:** calculus, electromagnetism, circuitry

**WEAKNESSES:** showers, cleanliness, girls, English

**BIO:** Despite failing to grasp the basics of personal hygiene, electrical engineers occupy themselves with semiconductors, energy systems, electronics, communications, and control systems. They can be found in the ECE study hall working on their endless list of pre-lab questions, glued to their laptops, or sleeping. Electrical engineering is among the more challenging disciplines Skule™ offers, but graduates are rewarded with bright career prospects. However, this is balanced out by their sheer incompetence when it comes to interacting with women (Chems) and non-elecs. Their tendency to be lonesome is matched only by the likes of Wall-E (although even Wall-E gets some action in the end).



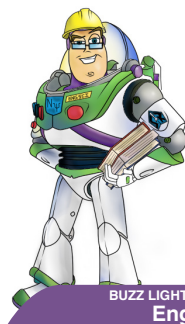
WALL-E  
Electrical

## DISCIPLINE DESCRIPTIONS

**STRENGTHS:** all-nighters, dropping out (or intense regret)

**WEAKNESSES:** socializing, proofs, practical applications

**BIO:** Similar to Buzz Lightyear, EngScis have been built to perfection with their fancy gadgets and overpowering minds that are capable of things others couldn't possibly imagine, but will probably never need. Eventually, they realize that they're just like everyone else in Andy's room and must co-exist with the others. However, it takes mentally strong (if not emotionally lacking) people to overcome the challenges and shitstorms bestowed upon them by the two foundation years in Engineering Science. Buzz Lightyear will accept this mission with his laser beam on full blast and chime every so often, "to infinity and beyond!" Good luck, Space Ranger.



BUZZ LIGHTYEAR  
EngSci

**STRENGTHS:** sounding smart, optimizing, saving money, flipping burgers

**WEAKNESSES:** appears smart but not really, every science course ever

**BIO:** Like Mike, you will be organizing schedules and completing paperwork (but never on time), among other things that Artsies can probably also do. With very little exposure to the sciences compared to the other disciplines, Indies are destined to fry fries at McDonald's and work their cash registers in a furious frenzy. Don't worry, you'll realize this is exactly what society needs, and that top spot as manager at McDees will be yours in no time.



MIKE  
Industrial

**STRENGTHS:** lifting things and putting them back down, CIV100, finishing first

**WEAKNESSES:** Chem girls, Foosball

**BIO:** Lightning McQueen is a hot shot on the racetrack, and the ladies really rev his engine (\*wink\*). Mechanical engineers travel in packs for ultimate wingman efficiency. Just like Lightning, a Mech's pit crew really helps him get his car jacked (off). Their incredible speediness is also noteworthy; when you're against a Mech, you'll always finish last. But look under their sweaty hoods and rusty trunks, perhaps you'll see that mechs are just as sweet and sensitive as any other metallic inanimate object.



LIGHTNING MCQUEEN  
Mechanical

**STRENGTHS:** polymethyl methacrylate, toughness, being compared to chem, necking

**WEAKNESSES:** stress, strain, fatigue, APS106, latex

**BIO:** As her name suggests, Elastigirl can stretch and twist almost as far and fast as she likes without reaching her yield point (reportedly, Mr. Incredible "does not mind"). However, due to their penchant for occasionally over stretching themselves, MSEs learn everything they can within their discipline to finish their degrees, determined to quench their heat for knowledge. As a result, they end up being somewhat good at a little bit of everything, but not quite successful at anything in the end.



ELASTIGIRL  
Material





## DISCIPLINE DESCRIPTIONS

**STRENGTHS:** rocks, minerals, pickaxes, hardhats

**WEAKNESSES:** staying still, heirs of royalty

**BIO:** Mins are as rare as deviant ants in an ant colony. They are a rare species and they become even rarer by 2nd year. They might be unappreciated at first in the ant colony, but there will come a day when their rocky differences translate into higher salaries than the rest of you.



FLIK  
Mineral

**STRENGTHS:** procrastinating, sneaking into common rooms

**WEAKNESSES:** anything that involves decision-making

**BIO:** Just like Dory, TrackOnes are the most amiable, good-hearted fish in the sea who involve themselves in everything without really knowing why. They'll survey the breadth of the Core-8 ocean, from exploring current in ECE, to whale-language (err... C?) in programming. With that short memory span and poor sense of direction, you'll find that TrackOnes are enthusiastic about many things, but never for more than three seconds, and have a hard time navigating their way to an eventual discipline. However, like Dory, the TrackOnes will learn to just keep swimming, swimming, swimming...



DORY  
TrackOne

**STRENGTHS:** listening to music you've never heard of, caring about celebrity gossip, frolicking, free time

**WEAKNESSES:** being employed, doing anything worthwhile

**BIO:** Throughout their entire undergrad, Artsies do about as much work as you do in your first semester. Artsies come in many shapes and sizes: like Doug, they are easily distracted by things such as squirrels, and don't have much of an attention span, especially when doing work; like Crush, they seem to be drunk every day (maybe because their lack of classes allows them to party on Wednesday nights); like Skinner, Artsies may try cunningly to catch you at your weakest times (like stealing your hardhat when you least expect it); and finally, like Heimlich, they'll believe they'll be beautiful butterflies in no time (let them believe... it keeps them from spitting in your food when you are ordering from one of them).



GROUP  
ArtSci

## HARDHATS

The Engineering Society and other Skule™ groups provide specially coloured hardhats to individuals that fulfill leadership roles at Skule™. During F!rosh Week, if you see an upper-year with a non-yellow hardhat, ask them how they got it to find out about leadership roles at Skule™!

### YELLOW HARDHATS

These are given out in Orientation kits to all F!rosh. You take an oath on it and then wear it proudly during F!rosh Week, and during Godiva week you get to decorate it for a competition. During F!rosh Week, Artsies may try to steal it because it's on their scavenger hunt list (or for shits and giggles). Yell "HARDHAT!" if yours is stolen, and upper year students will come to your rescue; don't try to go after it alone!



## Engineering Society (EngSoc)

### WHITE - GOVERNANCE

White hardhats are given to Officers of the Engineering Society and Discipline Club Chairs. They have a high-level role in establishing and maintaining the direction and function of the Society and Discipline Clubs. The EngSoc President is bestowed with a fireman's hardhat.



### GREEN - PROJECT DIRECTORS

Project Directors are in charge of Engineering Society initiatives and services. These include a store, a cafeteria, a pub, two newspapers, a yearbook, an interdisciplinary competition, and F!rosh Week, among others!



### ORANGE - REPRESENTATIVES

Orange hardhats are given to elected officials that sit on boards, councils and groups. They speak on behalf of their constituents (like yourself). Feel free to talk to them about student government and how to get involved. These include:



1. EngSoc Board of Directors Representatives
2. Class Representatives
3. Year Chairs
4. Engineering Directors on the UTSU Board
5. Governing Council Representative for full-time professional faculty students. (This representative may not be an engineering student, but if they are, they get this hardhat and represent you at the University's highest decision-making body.)





## HARDHATS

### Skule™ Trinity

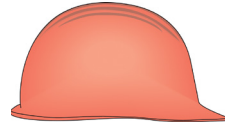
#### BLACK – THE CANNON GUARD

Protectors of our mascot, Ye Olde Mighty Skule™ Cannon, wear these hardhats. They, and every Skule™ student, adhere to three tenants of the cannon: Honour it, Respect it, and Protect it. Get involved with Skule™ life, and you may one day find yourself wearing one.



#### HIGH-VISIBILITY ORANGE – BNAD LEEDURS

The Lady Godiva Memorial Bnad brings music, noise and enthusiasm to Skule™ events. Bnad Leedurs get these high-visibility hardhats. Joining the Bnad is a fun way to get involved and meet lots of new people. You don't need to play an instrument to play in the Bnad, just bring yourself and they will surely welcome you.



#### SILVER, NAVY BLUE, LIGHT BLUE - ???

I don't know why I'm even writing this. Nobody uses, has used, or ever will use these hardhats. If you see them, they are probably figments of your imagination and you'd better get your eyes checked.



### Other

#### RED – SKULENITE

Directors and producers of the annual engineering musical comedy revue get these hardhats. You get a SkuleNite ticket with the purchase of your Flosh Kit!



#### BLUE AND GOLD – MR. BLUE AND GOLD AND GODIVA'S CROWN

These hardhats are awarded to winners of the Mr. Blue and Gold, and Godiva's Crown contests during Godiva Week. Mr. Blue and Gold must drop his pants after hearing 'Drop your pants!' and Godiva's Crown must gallop upon hearing "Godiva!"





DINOCO 400







## LADY GODIVA

Lady Godiva of Coventry was an English noblewoman of the 11th century who ruled the town of Coventry alongside her husband Leofric, Earl of Mercia. Legend says that Godiva took pity on the people of Coventry, who were suffering due to high taxes imposed by her husband, and begged Leofric to lower the taxes. He refused, but Godiva did not relent, and continued to fight for her people.

Leofric agreed to lower the taxes, but only if Godiva rode through the town naked. He hoped that this condition would force Godiva to drop the issue entirely. Godiva issued a proclamation to the town telling them that everyone was to stay inside and shut their windows until further notice. She then disrobed, mounted her steed, and rode through the town. Out of respect for Lady Godiva's selflessness, the townspeople solemnly complied with her proclamation and averted their gaze as she rode. Leofric, a man of his word, lowered the taxes as promised, after which the denizens of Coventry knew happiness once more.

Due to her exemplification of a degree of social responsibility that all engineers should strive for, Lady Godiva is considered to be the patron saint of engineering. Many facets of Skule™ therefore celebrate this most noble woman, including Godiva's Hymn.



## IRON RING / PURPLE DYE

### Iron Ring



In 1907, the Quebec Bridge collapsed while under construction, killing seventy-five construction workers and injuring several others in the process. A subsequent investigation attributed the accident to poor planning and design, and failure to exercise due diligence by the engineers. In light of this tragedy, Professor Herbert Haultain (after whom the Haultain Building is named), felt that engineers needed to be more aware of the immense impact their profession has on society so that future tragedies due to their error could be better avoided. To this end, Haultain enlisted the help of Nobel laureate and author Rudyard Kipling (of Jungle Book fame). The result of this collaboration was The Ritual of the Calling of an Engineer, a private ceremony in which every graduating student is informally inducted into the engineering profession, reminded of the societal and ethical obligations of being an engineer, and presented with an iron ring. This sharp, faceted ring is meant to be worn on the little finger of the working hand so that it will leave a mark on paper after being used to sign documents or drawings - a daily reminder of their obligation and duty to society, as well as of the dire consequences of their mistakes.

Urban legend says that the iron rings granted during the first few ceremonies were forged from the ruins of the first Quebec Bridge. Today, iron rings are purely symbolic, and are available to University of Toronto engineering graduates in both iron and stainless steel. The ceremony is typically held in March every year, and other than graduating students, only individuals with an iron ring and at least four years of engineering experience are allowed to attend. Although this tradition started at Skule™, it has spread to all other Canadian engineering schools and several American ones.

### Purple Dye

Once upon a time, in a faraway land during the time of dinosaurs and your professors, the Royal Military Corps of Engineers served the nation of Great Britain, beginning as a pilot project in educating groups of soldiers, to help them better meet the challenges appearing at the end of the European industrial revolution. This hardworking group of people gave their blood and sweat to keep the enormous coal-powered ships that sailed the world's oceans, in shape. As a part of the emerging identity of the engineers, many wore purple bands to identify themselves and their fellowship. As a result of the hot and humid working conditions, the purple dye from the bands would often seep into and stain the skin of the engineers. Since then, the colour purple became a symbol of the hard work and sacrifice of the engineers; a tradition surviving to this day.







## ENGINEERING FASHION

### Leather Jackets

FIROSH CANNOT OWN ENGINEERING JACKETS!

Why is this so? Well, young minnow, engineering leather jackets are an honourable and staple possession obtained by those who have scaled, survived (and thrived) through the self-induced sea of suffering we call "first year." Stores will sell you a jacket all right, but you'll be mocked and laughed at by your Skulemates if you wear it as a F!rosh.



Engineering Stores will set up two fitting times during the year (fall and winter semesters), so when you have earned the right to wear a jacket, set a date to get sized. Customize the lettering and patches, place your order, and voila! – you'll get your jacket (after a few months of nail-biting). Be warned though, compared to other engineering gear like coveralls which cost a mere \$45, leather jackets are expensive, costing around \$400.

Often, proud owners of crispy new jackets choose to get it (aggressively) broken in, in order to give it the "I've been around" look. This process usually involved slamming, Toike-smearing across the letters, ceremonial dragging, jacket-ball (a variant of soccer), and the application of a "secret ointment" for seasoning. This jacket abuse is entirely done at the request (and risk) of the owner!

### Coveralls

Coveralls are the unofficial Skule™ uniform. Always in fashion and handy to wear when you get down and dirty, coveralls are the bedrock of any engineer's wardrobe. As F!rosh, you must first pass first year (and survive the scare), in order to qualify for your own. Only then can you obtain this holy piece of clothing and have the opportunity to customize it with cool (and uncool) patches, stitchings, lights, paint; the possibilities are (nearly) endless! Once you have individualized your coveralls to all the whims of your imagination, strut your stuff and wear them to events throughout the year.



### Hardhats

The first thing you F!rosh need to know about hardhats is to KEEP THEM AWAY FROM ART-SIES. If you succeed, you will have the honour of decorating your hardhats during Godiva Week; a rare chance to get to use some of those ArtSci skills. Fear not though F!rosh, you don't need to be Amy or Barbie to design! We engineers have some crazy designing skills too. Some crazy designs from previous years have included Mario's hat, a Monsters Inc. Hardhat, binoculars, a functioning flamethrower (you read that right), and all sorts of other creative headgear! Think you got something better? Come bring your fully transformed hardhat and compete in the Hardhat Competition during Godiva Week.

Pro Tip: add a safety feature (perhaps some chains?) to your design to keep it from being stolen!



## SKULE™ TIMELINE

### TRADITIONS

**1873** - The School of Practical Science: The Ontario School of Practical Science (SPS), which was the precursor to the Faculty of Applied Science and Engineering (APSC) at the University of Toronto, was founded and occupied part of the Mechanic's Institute at the corner of Adelaide and Church Streets in downtown Toronto.

**1878** - The Little Red Skulehouse: The Northern Third Engineering Building was built at U of T to house SPS. Affectionately known as the Little Red Skulehouse, it was located at the corner of King's College Road, where the Medical Sciences Building now stands.

**1884** - The Engineering Society: T. Kennard Thomson, an SPS student at the time, hosted a dinner in which several students and two professors, John Galbraith and W. H. Ellis, were invited. Professor Galbraith fully supported the idea of an engineering society for SPS and called for a committee to draft a constitution for the Society. In January of 1885, the first election for the newly founded Engineering Society was held, with Professor Galbraith serving as the President. The first meeting of the society was held on March 3.

**1889** - More of the Skulehouse: The rest of the Engineering Building, including the recognizable tower on the east side of the building, was completed.

**1889** - Student President of the Society: Professor Galbraith, feeling that the Engineering Society was capable of running with a student as the president, steps down. An election was held and H. E. T. Haultain became the first student to serve as president for the Society.

**1891** - School Colours: The School colours for engineering were selected. The colours blue and gold are selected, and are still the colours used by the Engineering Society today.

**1906** - Welcome to U of T: On June 20, the School of Practical Science formally becomes part of the University of Toronto. It was renamed the Faculty of Applied Science and Engineering, but the name SPS remains a large part of the engineering identity.

**1911** - Toike Oike: The Society created an election paper for the student body, known as the Toike Oike. The origins of the word are not completely known, but there are legends about the source of the name. Toike Oike later became the 'Official' paper of the Engineering Society, presenting both humour and school-related news.

**1920** - "Toike oike, toike oike; Ollum te cholum te chay!": The Skule™ Yell was heard for the first time.

**1921** - SkuleNite: Ngynyrs in SPaSms has its first showing at Massey Hall on March 2. It would later go through several names and eventually become SkuleNite, with an annual show for the most part.

**1936** - Ye Olde Mighty Skule™ Cannon: While cannons had been a large part of life at SPS since 1899, it wasn't until 1936 that the Mark I Cannon made its first appearance. It was built by a machinist in the mechanical department, and boasted 10" barrel with 6" bore, and 8" x 4" x 1" base, and was built a few hours before the School Dinner being held on November 20.

**1949** - LGMB: The Lady Godiva Memorial Bnad (sic) was founded by A.J. Paul LaPrairie, and made their first appearance at the Homecoming Parade that year.



## SKULE™ TIMELINE

**1966** - End of an Era: The Little Red Skulehouse, with its deep connections to Skule™, was torn down to make way for a new Medical Sciences building. It was the last major link to SPS that Skule™ had, it was after this occasion that any opposition to the name Skule™ vanishes.

**1977** - Fire in Sandford Fleming: In the early morning of February 17, a fire broke out in the wall of the northeast lecture hall in the building (where SF1101 now stands). Undetected it spreads through the building, destroying student space, a portion of the Engineering Society space (including archives) and the offices of many graduate students and professors.

**1982** - Waterloo Tool Stolen: Waterloo engineers cried about a large wrench.

**1984** - Trademarked: The Engineering Society obtains the trademark on the name Skule™.

**2000** - Queen's Grease Pole Stolen: 2000 saw the famous Queen's Grease Pole Liberation. A small section of the Pole was cut off and kept by us before the Pole was returned. Part of a piece was sold on eBay, the other part was added to the belt worn by the Chief Attiliator, where it can be seen to this day. The belt, incidentally, was the chain that once protected Waterloo's Engineering mascot, the Tool, before it too was liberated.

**2008** - Engineers Remember the Wars: Remembrance Day in 2008 marked the 90th anniversary of the end of the First World War. The engineers decided to pay their respects by arranging 628 crosses in Front Campus as a memorial of the students, faculty, alumni and staff who lost their lives in WWI. Despite going against University policy of obstructing Front Campus during Fall Convocation, the installation was granted a one day exception to allow the memorial to stay.

**2008** - Sword in the Stone: After being removed by the university twice, a major symbol of Skule™ spirit, the Sword in the Stone, was finally resurrected in the Galbraith Quad. It stands 10 feet tall and is inscribed with the quote "For he that is blemish with this brode brande blinne shall he never." The quote is translated as "For he who is wounded with this broad sword shall never cease bleeding". Go see it some time!

**2011** - Sword in the Stone II: In retaliation to a "prank" by McMaster, we decided to show 'em how pranking is really done. We gave them their very own Sword in the Stone! Six brave students installed the 1600 lbs. monument in front of the Mac engineering building and were able to evade campus police by pretending to be a construction company finishing a rush order on a Sunday afternoon.

**2012** - Sword in the Stone III: After the success at McMaster, it was decided that Waterloo deserved similar treatment. A BFC crest on the concrete base and the words Disruptio Ergo Sum were engraved on the hilt of the Sword. Disguised as construction workers, the installation was completed within the span of just one hour on a Friday afternoon. In retaliation, Waterloo installed a fully functional fountain in Sandford Fleming Atrium in the middle of the night.

**2012** - Fork in York: To celebrate York "University's" new engineering program, U of T engineers presented a 6-foot fork stuck in concrete. As the adage goes: if you can hold a fork you can go to York.

**2013** - Class of 1T7: What are you guys going to add to the list?



## YE OLDE MIGHTY SKULE™ CANNON



The earth trembles and the Artsies cower. The crack of thunder and a billow of smoke is all that rests in its wake. It is a symbol, a declaration of our indomitable will and unmatched supremacy. It is a testament to our glorious past and the infinite potential of our future. It is Ye Olde Mighty Skule™ Cannon, and it is **YOUR** engineering mascot.

The Cannon has been a proud tradition of Skule™ since 1929 and the honour of the Cannon has been defended by multitudes of engineering students throughout the years.

As the might and glory of the Cannon has

grown, so have the number of rivals that would like to steal it from us. Shortly after its creation, the need to protect our mascot was recognized and the Cannon Guard was formed. Throughout the years, there have been many attempts to steal our Cannon, both foreign and domestic. While jealous faculties within U of T have, on very rare occasions, captured our mascot, no other university has ever successfully taken our Cannon. It is because of the devotion from our engineering community that the Cannon has never been stolen without it being promptly returned to us.

The Cannon serves as a symbol of dedication and strength. The thundering roar that tears across campus represents the undying spirit of the engineering student. As the most challenging undergraduate program at the University of Toronto, engineering requires rigorous study and hard work. Engineering students develop an iron will and a steadfast determination to succeed. The Cannon embodies the attitudes of the engineering student body: Nothing gets in our way. You are about to embark on a journey; you will help forge the destiny of Ye Olde Mighty Skule™ Cannon. Throughout your time here at Skule™ you will undoubtedly encounter the Cannon and its Guard. When you do, remember that every member of Skule™ is a member of the Cannon Guard. Built on tradition and thriving on spirit, it is a common bond that unites our engineering community. It represents our strength, our unity, and our dedication. Let the crack of thunder and billow of smoke be a constant reminder of your pride as an engineer!

Honour It.

Respect It.

Protect It.

Chief Attiliator 2013 - 2014

## BRIEF HISTORY

### 1929 - Hart House Cannons Fired

An engineering caper resulted in the firing of one of the two cannons in front of Hart House.

### 1931 - Smaller Cannon Makes Appearances

A small cannon began to appear during Skule™ festivities, was fired, and then mysteriously disappeared.

### 1949 - Meds Steal Cannon

The Cannon disappeared into the meds' building. In retaliation, the engineers kidnapped the Med Society president. After a few days of negotiations, The Cannon was returned, marred with a new inscription that read, 'Captured by MEDS 5T2, 3 Feb. 1949'.

### 1967 - Cannon Stolen and Taken To England

The most infamous Cannon steal of all. Capitalizing on a lapse in security, two graduate engineers spirited away The Cannon, and made their way to the British Isles. Six brave engineers took it upon themselves to restore the pride of Skule™, and tracked The Cannon to UC in England, where two of them, venturing into the thieves' living quarters, recovered it.

### 1993-1994 - Cannon stolen by Fahrenheit 1710; 1994 Cannon forged

26 years after the last successful attempt, the Cannon was finally captured. A ransom note signed Fahrenheit 1710 was sent some time later, demanding that a group of Engineers run onto front campus wearing only their underwear, carrying a banner of specific dimensions that said some nonsense about how Artsies rule. The demands were, of course, ignored. The stolen Cannon was finally recaptured just in time for the 1994 Grad Ball. The recovered Cannon was subsequently presented to a very deserving Malcolm McGrath (former Assistant Dean) for his leadership and contribution to student life that has aided so many undergraduate and post-graduate Engineers.

### 2000 - The Famous Queen's Grease Pole Liberation

A small section of the Pole was cut off and kept by us before the Pole was returned. Part of the piece was added to the belt worn by the Chief Attiliator, where it can be seen to this day. The belt, incidentally, is the chain that once protected Waterloo's Engineering mascot, the Tool, before it, too, was liberated in 1982.

### 2006 - Replica Presented to Retiring Campus Police Sergeant

Sergeant Steve Cox, an officer of the University of Toronto Campus Police and a major ally of engineering, retires from service. To thank him for his service, a 50% scale of the 1984 Cannon is forged for him and fired alongside the 1967 Cannon, 1973 Cannon, and 1998 Cannon after his retirement ceremony, which took place earlier in the day.

As you can see, the history of love, loss, pride, and war has earned The Mighty Skule™ Cannon the title of our beloved mascot. While it is YOUR mascot, and every member of Skule™ has the responsibility to protect the Cannon, the Skule™ members who show the most dedication, spirit, and pride are chosen to dress up as guards. Demonstrate these qualities and you too will be chosen to guard our mighty mascot.



## INTRODUCING...

THE WORLD FAMOUS, Quintuple Prize Winning, Sextuple Record Setting, 60 YEARS CELEBRATING...

TSE crashing, **football field dashing**, ALCOHOL STASHING, JUMBOTRON FLASHING, Royal York trashing, **FOUNTAIN SPLASHING**, **joke rehashing**, Oktoberfest bashing, **BUTTON MASHING**,  $\pi$  &  $m$   $\square m \approx \infty + \infty \times \square \gamma$ ; **stealth-bnad stalking**, **impostor bnad mocking**, Gradball shocking, **CON HALL ROCKING**, **SCAVENGER HUNT JOCKING**, Chariot Race clocking, United Way walking, **Speakers Corner talking**, hockey game socking; Dog machine filling, ready and willing, CROWN ROYAL SWILLING, yo' we jus' chillin'! **CN Tower ascending**, **peace and quiet ending**, Cannon defending, **many patents pending**; **Coke machine wiring**, WORLD TAKE-OVER CONSPIRING, instrument acquiring, fear inspiring, **introduction is tiring**; SEVEN YEAR OLD SCOTCH DECANTING, **ALL NUDE ALL THE TIME!** **Vanier Cup rejectin'**, PREMIUM BEER SELECTIN', **Godiva resurrectin'**, **mascot collectin'**, tastes good with pectin; *Stairs falling*, campus police calling, **OUT OF CONTROL BALLIN'**, trololololing; Wheel of Fortune spinning, **STEREO WINNING**; Swiss Chalet eating, **SANTA CLAUS GREETING**, Atrium meeting, **Smash Bros. beating**; Mad integrating, *Nathan Phillips skating*, **ARAMARK HATING**, triple X rating; **MUSICAL skill faking**, venue decoration taking, **ANGRY-CAT-FACE MAKING**, **knee breaking**; **Yonge St. cruising**, VARSITY BLUESING, music abusing, **ear drum bruising**, **BLUE JAY ENTHUSIASING**, *Iron Ring perusing*, Hart House Farm carousing, **Rum & Coke oozing**, referee accusing, **S&R boozing**; **GRAFFITI SUDS GLOWING**, John K. Hall knowing, **CHAIR THROWING**, **money owing**, **Stolen Toile storing**, **SHOULD I KEEP GOING!?!?** **GAMECUBE PLAYING**, **TROGDOR SLAYING**, artsci laying, **FINE PAYING**; **POLICE ESCORTING**, *lecture aborting*, **BROOMBALL SPORTING**, **CHEERLEADER COURTING**; S-Dance boating, **Homecoming floating**, **PROXY VOTING**, **sticker coating**; **NOTE NAILING**, scale scaling, **song wailing**, movie delaying; Football loss cheering, spaghetti monster fearing, **alumni suds beering**, **fire bell searing**, **Pride Parade priding**, **TRAFFIC ABIDING**, **trombone sliding**, **MUSTACHE RIDING**; *Queens Golden showering*, **Sourpuss souring**, **gin devouring**, **A deflowering**; **Funeral halting**, **MASCOT ASSAULTING**, beverage malting, **artsci insulting**; CN Tower, SKYDOME, Eaton Centre, Pratt Building, Four Seasons, Innis Condo, **SCARBOROUGH RT**, Bahen Centre for information Technology, **Ontario University Fair**, **Varsity Stadium**, SkuleNite, **Spadina streetcar** AND SHEPPARD SUBWAY OPENING...

AND SUBWAY CLOSING ...



## THE BNAD



### Renegade Musical Terrorists, Marching Gregorian Chant Society, and White Noise Brigade!

Da LGMB iz da best whey too git involhved inn ahl! da phun tings wee doo heer inn Engineering. Wee arr ah crayzee mixxx beetwixt ah marrchyng bnad aynd ah spearit groop! Da LGMB iz ah reel eezy cluhb too joyn; their arr abschlootly noe comitmint rechoired, soh yoo juszt sho up aynd hav phun! Weev goht ahl! dee instruhments yull ehvar kned (trumpits, trombonez, floots, sexyphones, aynd muhch muhch mohr!) aynd wee garantee yoov goht awl! da talint yoal evur kned!

Wee ~~attend~~ krash tun uv uhvents dooring thuh yeer. Bassketbawll gaymez, ruhbee cham-peonshyps, charutee uhvents, paraids, foarmuls, ceruhmonees, aynd futbawll lossess awll pheel ovr moozical prezenss!

Howe doo yoo sin(up)? Evuree Engineering stoodient iz awlreddy uh member uv da LGMB! Goh too r websight (lgmb.skule.ca) to sin(up) fur da mailin lizt nd loohk owt fore LGMB announce-mints during F!rosh Week aynd throo-owt thuh intire yeer!

Hoap tew sea yoo aht an uhvent!

**Maya Zhang**  
Bnad Leedur

**Andrew Barolet**  
D(r)umb Majur(k)

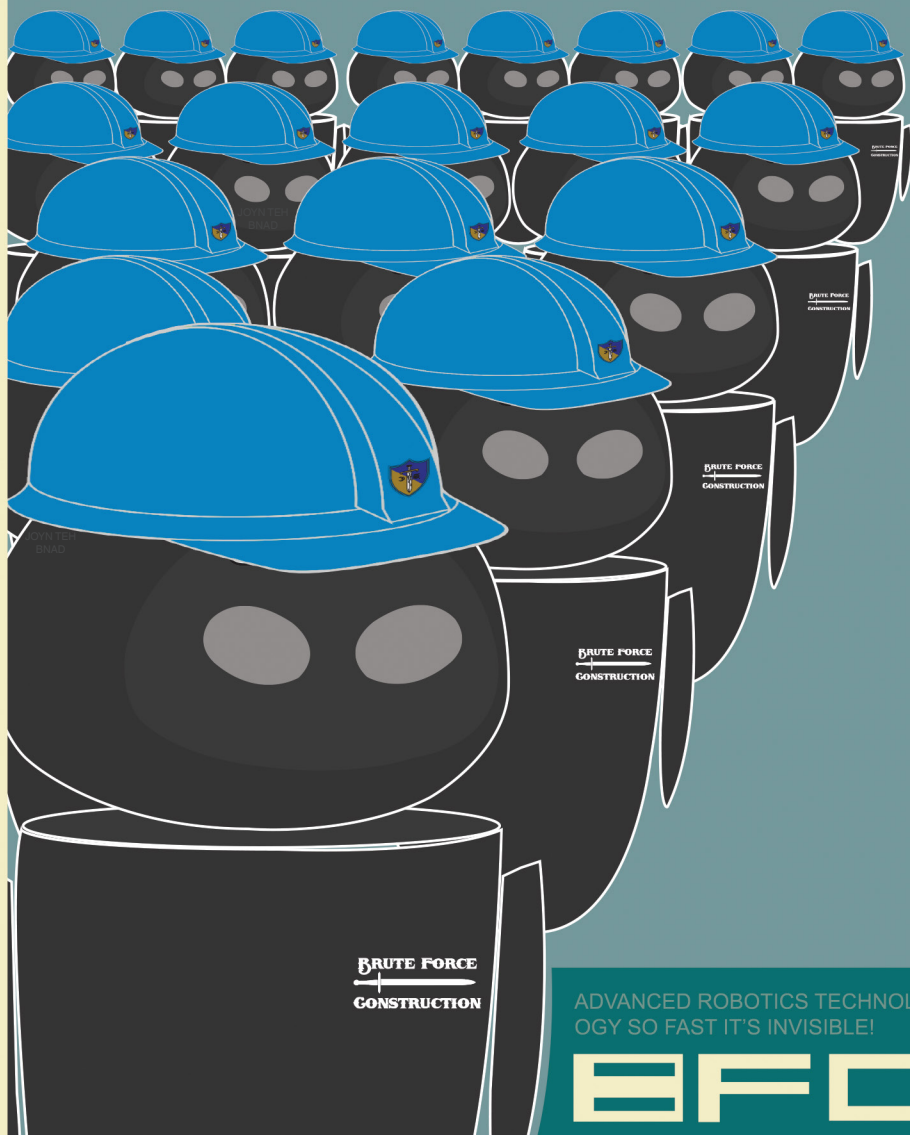
**Thomas Santerre**  
Joonyur Bnad Leedur

lgmb.skule.ca  
[http://www.youtube.com/watch?v=rLC4l\\_8edBQ](http://www.youtube.com/watch?v=rLC4l_8edBQ)



# THE FUTURE IS *NOW!*

A MESSAGE FROM **MARIO BAKER**



ADVANCED ROBOTICS TECHNOLOGY SO FAST IT'S INVISIBLE!

# BFC



BFC · P I X A R

# FINDING MARIO



## GODIVA WEEK

### TRADITIONS



Godiva Week is a week-long celebration at Skule™ in the spirit of Lady Godiva, the patron saint of engineering. Godiva Week festivities include various engineering traditions and events, including Ye Grande Olde Chariot Race, F!rosh Hardhat Decorating Competition, Ultimate F!rosh, Godiva's Quest, as well as the popular Mr. Blue & Gold and Godiva's Crown Competitions. The week is traditionally rounded off by the annual engineering semi-formal, Cannonball. Godiva Week is organized by the Blue & Gold Committee, and typically includes many charity elements, such as the Charity Date Auction, Stores Auction, and Charity Car Smash. These events often raise thousands of dollars for a local charity group such as United Way or the Cancer Society of Canada.

The events of Godiva Week generally take place during the first full week of the Winter semester, beginning with the reading of The Fundamental Theorem of Calculus during Godiva's Resurrection on Monday of Godiva Week, and culminating in the ceremonial burning of Godiva's Coffin during Godiva's Wake.

During the week, many competitions are held, including the popular Mr. Blue & Gold and Godiva's Crown Competitions, which determine two of the principal figures of Skule™ spirit for the following year, Mr. Blue & Gold and Godiva's Crown. The new Leedurs of the Lady Godiva Memorial Bnad are also selected during Godiva's Wake.



Sooner or later, you may find yourself in a special situation: Defending the honour of Skule™. In the event where other faculties and universities are present, feeble-minded Artsies and their ill-often attempt to snatch some of Skule™'s great artifacts by means of theft. So that you will be prepared, the handbook presents...

## **THE SKULE™ HIERARCHY**

(in case of emergency)

1. THE MIGHTY SKULE™ CANNON
2. The Engineering Flag
3. The Bnad
4. Your Hardhat
5. You

If THE MIGHTY SKULE™ CANNON is present, it must be protected at all costs. If the Skule™ Cannon is not present, then the Engineering flag comes first. The Bnad also needs protection, for it is indeed difficult to defend oneself against a shark (even if it may be vegetarian) with a \$200 horn in one's hands. The rest of the Hierarchy is self-explanatory. Once items 1-4 are safe and secure, head for the nearest sanctuary or bar. You have your orders...



# THE ACADEMICALS





## PRE-CLASS CHECKLIST

"So which type of calculator are we allowed to use?" - One of many questions students who do not read the pre-class checklist will ask. This section may be the difference between you looking smart or looking like a big buffoon.

+ **Pens and Pencils** - These can be used to write. We recommend you use them to write.

+ **Something to write on, preferably lined paper** - You'll need this a lot; for those of you worried about the environment, you should probably be more worried about keeping track of lecture notes.

+ **Binder/Clipboard** - For storing your notes ... if you take any.

+ **Stapler** - For CIV100/CIV102 weekly homework. Get this and you'll be the most popular F!rosh on campus. Charge 25 cents per staple and you can eventually buy yourself a curry bowl from Veda.

+ **Engineering notebook and paper** - Sold at the Engineering Stores. For CIV100/CIV102 homework (and because it looks legit).

+ **Backpack** - This handy-dandy little 21st century tool can be used to carry your stuff around. Buy a soft one so you can also use it as a pillow.

+ **Faculty approved calculator** - Casio 260 or Sharp 520 (any suffix will do, and most go for the Sharp)

+ **T-Card** - MEMORIZE your student number and don't forget to bring it to midterms, exams, etc.



+ **Most up-to-date timetable on ROSI** - You don't want to go to the wrong lecture!

+ **A map of the U of T buildings** - Don't expect that your classmates will always know where they're going - they're F!rosh too!

+ **Food** - Make sure it's healthy. Neither the Blue Truck nor Ken Ho's falls under this category.

+ **Caffeine** - This is your power source. Tim Hortons for those who need caffeine just for the energy and Starbucks for those who care about taste. Toronto is rife with small cafés (especially near campus), so don't be afraid to try something unique!

+ **Tylenol/Advil** - You'd like to tell yourself you won't need these, but wake up and smell the chalkboard.

+ **Sleep** - You should spend some extra hours before Skule saving up on this. You'll need it, especially for APS111/112 assignments.

+ **Earphones** - To block the sound of those out those noisy DOTA players in the lab.

+ **A sense of humour** - Some professors allow it, others won't. We'll let you figure it out!

## TEXTBOOKS & PAST EXAMS

After lecture notes, the two most important academic resources at your disposal will be textbooks and past exams.

### Textbooks

ALWAYS BE AWARE OF WHAT EDITION OF THE TEXTBOOK IS REQUIRED. You've been warned - if you waste your money on an outdated version, you'll have a \$200 door-stop. Ballin'.

Textbooks are reference texts for the course that have been selected by the course coordinator. This means that you can be (somewhat) sure that most of the testable course content is covered by the textbook. Though obtaining textbooks is not mandatory, it is strongly recommended. There are a few ways to obtain textbooks:

**1. University of Toronto Bookstore** - If you want to pay a ridiculous mark-up on textbooks that are already ridiculously expensive to begin with, head to the university's bookstore in the Koffler Centre next to Bahen. Don't actually go here unless you absolutely have to.

**2) Engineering Stores** - Located in the basement of the Sandford Fleming Building, Engineering Stores, a service of the Engineering Society, sells new first year textbooks cheaper than you'll get them anywhere else, along with a lot of other Skule™ swag (e.g. T-shirts, coveralls, leather jackets, patches, stationery). They even give discounts to those who pre-order all of their textbooks at once!

**3) Upper Years** - Upper years are always willing to sell their textbooks. Since the books have been used before, the prices that upper years offer will easily undercut both the Engineering Stores and the university bookstore. But that might mean putting up with some wear and tears, folds, creases, writing etc. Moreover, the different discipline clubs hold events called 'book smokers' (don't worry, no tobacco involved!) where you can buy textbooks from upper years. Look out for more info during F!rosh Week!

**4) TUSBE (Toronto University Student's Book Exchange)** - TUSBE is kind of like Kijiji for university students in Toronto, looking to buy and sell textbooks. Check them out at <http://tusbe.com/tusbe.asp>. However, exercise caution and proper internet safety when using TUSBE. Meet with the seller in a public place, and make sure you get the right edition!

**5) Discount Bookstore** - Located at 229 College St. (basically across the street from the Bookstore), you'll be introduced to this store when employees come to your first few lectures to hand out their flyers. Though it seems like an honest operation, their prices are typically just a few cents lower than those listed by the university bookstore. So it's a discount bookstore, but barely.

### Past Exams

For most courses, midterms and final exams will contain problems that are very different from those in the textbook, making it difficult to prepare well for these assessments. Fortunately, the Engineering Society maintains a database of past exams for almost every single course offered at Skule (<http://courses.skule.ca>). This is free (yay!) and available 24/7. Doing past exams is the undisputed best way to study for midterms and finals. This will expose you to the styles of questions that pop up on exams, which is good, since they rarely change from year to year. Some course coordinators (\*cough\* Burbulla \*cough\*) even re-use questions from past exams and simply change the numbers.

**TL;DR – DO PAST EXAMS**



## ECF

If you F!rosh even want to think about passing first year, you need to learn how to use the ECF labs. They'll save your skin when you are trying to submit that ESP/Praxis assignment in the last hour before the deadline, or when you're doing those dreaded Lyryx assignments for your linear algebra course. Most of them are Linux-based, but a few use Windows. Don't worry about Linux if you've never used it before, we'll fill you in on that.

**WARNING: Don't bring food or drinks to the computer labs! You may be denied access to the labs for doing so.**

## Departmental Labs

<b>MIE</b>	MC 402, MC 325, RS 303
<b>CHEM</b>	WB 216A/B
<b>MIN</b>	MB 130
<b>MSE</b>	WB 158
<b>ENGSCI</b>	BA 2124
<b>CIV</b>	GB 422

ECE students also have access to their own labs in SF & GB, separate from ECF.

## How to Use the Linux Labs

If you're a Windows user, the GUI (graphic user interface) of Linux should not be difficult to get used to (the interfaces of the two operating systems are similar). However, if you consider yourself a "power user": many of the shortcuts and hot keys you're familiar with in Windows, like "Ctrl-Z" for Undo, will not work in Linux (it may even do something else altogether!). Nor will your programs made for Windows or Mac run on a Linux machine. One of the most efficient ways to interface with a Linux computer is not through the GUI, but through the terminal. Instead of clicking, you type in commands to do everything (don't worry, it's a lot easier than it sounds). Here's a list of some frequently used terminal commands:

ls: lists the contents of the current directory. "dir" does the same thing.  
 cd [directory]: move to that directory. Like double-clicking on a file or folder in Explorer.  
 cd..: Go to the previous directory.  
 pwd: Tells you what the current directory is. Short for "present working directory".  
 cp (source) (destination): Copies a file from (source) to (destination)  
 mv (source) (destination): Moves a file from (source) to (destination)  
 rm (filename): Removes the file named (filename)  
 mkdir (directory): Creates a directory named (directory)  
 rmdir (directory): Removes the directory named (directory)  
 chmod: Modifies the permissions of a file (who can read/write/execute it)



## Printing

Every term, you are given a quota of pages (around 900) that you can print for free from the ECF Labs. For every 100 pages you exceed this quota, you are charged \$5, but don't worry, there are ways to reduce your paper usage, like printing multiple pages on one sheet or printing double sided.

**On Linux:** To print double-sided, select such options when the window prompts you to pick a printer. To print multiple pages per sheet (VERY USEFUL for PowerPoint lecture notes or the like), use "Multiple Pages per Sheet", under "Page Scaling" in the main print menu. When printing from a website or an OpenOffice application, this option is under the "Page Setup" tab.

**On Windows:** To print double sided, select a printer and click "properties". Under "basic", look for the subheading titled "Duplex", and select "Print on both sides". To make the pages more binder-friendly, select "flip on long edge". To print multiple pages per sheet, look for "page handling" or "zoom" (depending on the program) in the main print menu. Under these headings, look for "Multiple Pages per Sheet" or "Pages per Sheet". Usually, 4 to 6 slides per page works the best, depending on how much room you want for extra notes.

**Other tips:** Printing in the ECF labs can get quite busy, and so you should expect to have to wait quite a while for printing there. It's generally best to get your printing done early. Departmental labs are usually less busy. Also, in the ECF main office in EA212, colour printing is available, but each page you print there (both colour and black/white) counts for 2 pages off your quota.



# CitoPrint



**CitoPrint (Printfast)** is an iOS application that displays computer lab and printer availability statuses at U of T's Faculty of Engineering, straight onto mobile platforms. To find a computer or a free printer, you do not have to check every lab; you'll know where to go with a touch of a button. Furthermore, the app shows when the computer labs are booked for a class and when the printers are jammed or offline. The app is currently live for Engineering Computing Facility (ECF) labs.



## ECF

### Tips on Saving Paper

**One-Sided Paper Bin:** Found in most ECF labs, these bins contain recycled papers that are blank on one side for use as scrap paper. If you find yourself out of paper to take notes on for lecture, these bins are for you! If you happen to have some blank one side paper that you don't need, feel free to leave it in the bin for your fellow engineers.

**Removing the Header Page:** On all Linux labs, everything you print out is accompanied by a header page containing your UTORid for easy identification. It can be useful when there are lots of things being printed out, but also wasteful of paper. To get rid of this page, uncheck the box labelled "Print Banner Page" on the list of printers.

### Accessing ECF from home

**Remote Desktop for Windows Users:** To access the Windows ECF labs at home, visit <https://ssl.ecf.utoronto.ca/ecf/services/rd>, and select an available workstation. This will cause an .rdp file to be downloaded. Now, run the file and log on as if you were in a windows lab, and voila! You're on the ECF labs. You can access applications like MATLAB or transfer files between your ECF account and home computer here. Be warned though, remote access will cause things to act very slow compared to accessing it directly. Don't expect the applications to run nearly as quickly as when you are accessing the ECF computer directly.

**SSH:** Connecting to Linux: To access the Linux ECF computers from your home, you can use a program called an SSH client, like PuTTY, downloadable at <http://www.chiark.greenend.org.uk/~sgtatham/putty>. Download putty.exe, and just save it somewhere – there is no installation. To access your ECF, just type "pine" once you're logged in. If you want to transfer files between your ECF and your home computer (like for compiling those annoying C code assignments from home), you'll need to download WINSCP, but it has a rather intuitive interface so it's easy to pick up quickly.

**Using PuTTY:** Start the program, and on the main screen enter the following:

Hostname: **remote.ecf.utoronto.ca**

Port: **22**

The SSH button should be selected. Click keyboard in the panel at the left, then set "The Backspace Key" to "Control-H" (don't ask why, JUST DO IT!). Click open, and enter your login and password. Once you're in, you can access the terminal of the ECF computer just like at the labs.

### Being Wireless at U of T

Free WiFi! Free WiFi! FREE WIFI! Yes, this is one of the perks that comes with all of that money you paid for tuition. The U of T wireless network is accessible for any device that has wireless capability, mobile or computer. It takes your UTORid and UTORid password (NOT your Linux password), which you will set-up before even getting on campus through a helpful email that Skule™ or U of T sends. For extra info on wireless coverage, you can visit <http://www.wireless.utoronto.ca>. Unfortunately, sometimes your old phone or computer just isn't current enough to connect to the U of T network. Thankfully, there is a second network for problems such as these, called UTORwin. The wireless WEP password is **UToronto1home**, and after opening your browser you will be required to put in your UTORid and UTORid password. Have fun!

## PETITIONING

Sometimes, bad stuff happens. If the stuff is bad enough to affect your school work, petitioning is what you should do. A petition is basically an application to be exempted from a university rule, regulation or deadline. Petitions can be filed for reasons including death in the family, medical issues deemed severe enough (by a doctor) to require absence or other accommodations, unfair grading (as you may feel with your ESP projects), or if Varsity athletes (for example) have conflicting competition and test/exam times. Hopefully, you'll never have to fill one of these out, but if you do, be sure to review the process (described in detail on the faculty website) for petitioning before submitting. Always try to find written support for your claims. For any serious incidents, be sure to contact the First Year Office as soon as possible so they can aid you (they are very helpful).

Petitions can be submitted online at <http://www.apsc.utoronto.ca/portal>, through a Petition form. Consideration in Course Work will have to be printed and submitted to your professor.

There are three types of petitions:

### 1. Petition of Final Examination

It is a petition submitted because of a missed exam or issues that hinder you from performing on your final exam. Students are required to submit this petition within seven days of the students' final examination. If the petition goes through, it is unlikely that a student gets to re-write the exam. The faculty may use the student's term work to determine his/her final mark. It may also be possible for the faculty to propose a late withdrawal option, or an option to grant Aegrotat standing (AEG) to a student (carrying credit for the course, but the course does not contribute toward the student's average). Note: AEG will only be considered for students who have missed three or more finals.

### 2. Petition for Special Consideration

It is a petition submitted by a student to request for an academic regulation to be waived. Students should first consult their Departmental Counsellor before submitting this petition, since its scope is quite large.

### 3. Petition for Consideration in Course Work

It is a petition submitted by a student when he/she unavoidably misses any graded work. The matter should first be discussed with the instructor (and if necessary, submit a petition). The petition must be submitted a week after a student returns to class. This petition could be submitted, for example, if one were to miss a quiz because their design team had a major competition on the same day.

Submit this petition to your instructor directly. The form for this petition can be found on the petitions website.



For more information about petitions, and for the forms mentioned above, visit the Registrar's website at [www.undergrad.engineering.utoronto.ca/support/registrar/petitions.htm](http://www.undergrad.engineering.utoronto.ca/support/registrar/petitions.htm).





## ENGINEERING BUILDINGS

### Bahen Centre for Information Technology (BA)

The Bahen (pronounced "Bay-en") Centre is the most modern of the engineering buildings and a hub of activity despite being isolated by the bustling St. George Street. With the most comfortable lecture halls, the Mega Bites Café, and some cozy study spaces on its upper floors, it's a common destination for students trying to relax or study. Bahen is also home to the EngSci common room, ECE study hall, and a multi-faith prayer room, and it offers internal access to the Kofler Student Services Centre, an adjacent building which contains a Second Cup and the U of T bookstore. Professor Shai Cohen notoriously leads his students on tours showcasing the building's quirkier design elements, but regardless, Bahen stands as one of the cooler buildings on campus.



### Sandford Fleming (SF)

This is the biggie, the building you will probably spend the most time in during your undergraduate career. Sandford Fleming is the centre of Skule™ life, housing the Engineering Society and "The Pit". Encompassing most of the basement, the Pit is where Suds is located, as well as the Engineering Stores, the Hard Hat Café, the Lady Godiva Memorial Bnads, a photocopier, microwaves, tables & chairs, vending machines, even a phone with free local calls! You can get into SF after hours by swiping your T-card, which also gives you access to GB, PT, WB and EA. Major Skule™ events like Godiva Week and F!rosh week have events in here. On the ground floor are the infamous Linux labs, where you will spend time staring at code that isn't working and pestering friends for help. The Engineering Library is on the second floor.



### Galbraith Building (GB)

Known mainly as "that building between Bahen and SF", and the home-base for Civs, Galbraith is home to everything paperwork-related and the infamously tiring staircase when going up to tutorial rooms on the 3rd and 4th floors. Important things to note are the First-Year Office, the Outreach Office, the ESP office, the Office of the Registrar and the Admissions Office. OSAP, scholarships, and info on the T-Program are all located in here. There are also computer labs that run Microsoft Project, which isn't available in the regular Linux labs.



## ENGINEERING BUILDINGS



### Wallberg (WB)

Wallberg, home of the Chemical and Materials Engineering Departments, is well known for its length (seriously, it's a city block long). WB hosts many tutorial rooms and lecture halls, such as WB116, a "rustic" lecture hall environment. The Chem common room is located on 2nd floor and the MSE common room is located on the 1st floor. The basement is where most labs take place, especially those 3 hour chem labs. Also, there exists a wonderful bridge that links WB (Third floor) to SF (Second floor) via the Pratt Building, which can help save time. Have fun discovering it!



### Mining Building (MB)

The fancy Mining Building is not surprisingly home to the stupidly well-funded MINs, but it also houses the MIE common room (featuring ping pong!). The first floor has the Canadian Mining Hall of Fame. This building is interesting because you can see how Canadian Mining has developed over time. The attic of this building is very exclusive and only select students (mostly 4th year Civil and Mining students) have access. Be sure to check out the beautiful glass elevator!



### Mechanical Building (MC)

As soon as you walk into the Mechanical Building, it'll be pretty obvious that mechanical engineer designed it and not a civil engineer. "Where's MC252? Floor two is here...but there's no lecture hall... wait a second...there are TWO second floors?" MC252 is literally on floor two-and-a-half. Speaking of which, the lecture halls are quite shoddy: missing seats, broken seats, and a staircase which definitely doesn't lead to Narnia. In hot weather, the lack of AC in the lecture halls pretty much renders the back rows unusable. But here's a pro-tip: the lobby often contains free cookies which you may or may not be allowed to take (but do it anyway because free food will be your only sustenance during the semester). In short, MC will give you a headache, but not as many headaches as Dynamics will give you. MC102, however, has excellent chairs for sleeping (and maybe even learning).

## ENGINEERING BUILDINGS

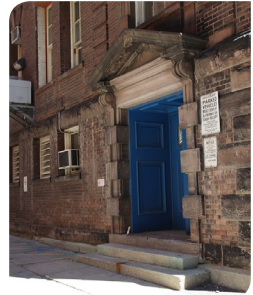
### Engineering Annex (EA) & Pratt Building (PT)

This building is located between Galbraith Building and Wallberg. This is where Engineering Computing Facility (ECF) office is. If you have any problem with your ECF account or if you need to print in colour, this is where you go. Other than that, there are some first year professors' offices, which you may or may not visit. There is a hallway on the third floor connecting to the Pratt Building, which is also connected to the Wallberg and Sanford Fleming Buildings. You can tell it from the change in the colour of the floor tiles.



### Haultain (HA)

Much like little Nemo's entrance into P. Sherman's office aquarium, you too will be wondering "What the heck am I doing here?" upon entering the Haultain Building. One of the sketchiest buildings on campus, HA is located in the alley between the Mech and Mining Buildings, and features no obvious signage or main entrance. Strangely, Haultain has an excellent heating system, so prepare to sweat (especially as you climb the gazillion stairs to get to tutorial. Yes, there is an elevator, but it operates like it was designed by first year Mechs). As Nemo became accustomed to life on 42 Wallaby Way, you too shall become accustomed to the foreign experience of being within Haultain's walls.



### Rosebrugh Building

This building was formerly an electrical building, but now it is home to mainly Indy and Mech classes. This building is kind of hard to find because it is engulfed by a few other buildings (HA, MC, MB and MS), and some rooms are listed with MC prefixes (figure that out), but it has really cozy lecture halls. It also gives you a workout because the elevator there is for "Staff Only". The best part about this building is that it makes it easier to access the surrounding buildings because you can enter it after hours and there are bridges to MC and MB. (MB also has a bridge to HA)





## STUDY SPACES & COMMON ROOMS

You can't be the brightest fish in the school if you don't leave some time for yourself to study (I know, going to school to study? What's that about?!). Coming to U of T, you might need to swim through the many ocean currents to find a comfortable spot you can call your own study-spot. Here are a few that you might want to check out yourself!

### Your Discipline Club Common Room

Your Discipline Club common room will probably host many of your fellow first years who are struggling with the same problem set you are. Make a buddy, solve that problem set, and get in a good Foosball game while you're at it.

### Engineering and Computer Science Library

The Engineering Library is located on the upper floors of Sandford Fleming (SF2402) and can either be too loud for comfort or loud enough for you to have a group meeting without disturbing your fellow library-goers.

### Robarts Library

The giant peacock-like structure is located at the corner of St. George St. and Harbord St. (Yeah, we know... ArtSci library... but we can give you a mathematical relationship that proves why you should go to Robarts: the amount of quiet, deserted spaces to study increases exponentially the higher you go in the building. Seriously, the thirteenth floor is usually deserted, plus it offers a wicked view of campus, and pretty much all of Toronto down to the lake shore).

### E.J. Pratt Library

The basement of Victoria University's library has some great desks that are perfect for group work, and some comfy chairs for individual study. Upstairs there are great cubby-holes amongst the book stacks that are perfect for silent study. No matter how you prefer to study, the décor will put you in the mood to sit down and hit the books. Though it's a bit far from campus, it's a great place to have a change in scenery and hit the books!

### Gerstein Library

This is mainly the health sciences library. An open, studious environment, Gerstein offers a good set of comfy chairs in cubby holes on the second floor which are perfect for studying. It's right next to the Medical Sciences building (so nearby). Considering it's been recently renovated, it is a popular place for many students to study during the day and during exam period, so it can get quite busy and tough to find a spot.

### Hart House

Though Hart House is known to be a building almost entirely devoted to recreation, the reading room on the second floor is a great place to try to read those assigned chapters. Hart House is close enough to class to be accessible, but far enough that it's a good change of setting.

### Discipline Common Rooms

**Chemical**  
WB 238

**Civil**  
GB 123

**Electrical and Computer**  
SF B650

**Engineering Science**  
BA 2128

**Material Science**  
WB 143

**Mechanical and Industrial**  
MB 225A

**Mineral**  
MB 131

**TrackOne**  
Da Pit

**Free for all**  
The Pit (Sandford Fleming atrium)



## TIME-TABLE GUIDE

When you look at your timetable on ROSI, you'll notice that it has three kinds of blocks: LEC, TUT, and PRA. These stand for lecture, tutorial, and practical, respectively. These are the three types of classes that you'll have as an engineering student at the University of Toronto.

### Lecture (50 Minutes)

During lectures, most testable course content will be taught by an instructor who is either a professor or lecturer, but can also be a PhD student. Taking notes is recommended. The pace of the lectures varies between courses and programs, but for the average course, each lecture covers one to two sections in the textbook. Lectures are held in rooms that resemble theatres with several chalkboards instead of a movie screen. Accordingly, each lecture section will include about 100 people. Since there are more than 100 people taking each first year course (the first time around), each course will have three to nine lecture sections depending on how many people take the course. However, in upper years, as people specialize in certain areas of each kind of engineering, class sizes can get as small as 25 students.

### Tutorial (1-2 hours)

The basic concept of a tutorial is for students to get a second chance to understand crucial course concepts and get answers to any questions they may have. The exact format of tutorials varies between courses, as this is left to the discretion of the course instructor. Most tutorials involve a brief reiteration of the important concepts that were covered in lecture in the past week, followed by a few tutorial problems selected by the course coordinator for practice. For courses that have them, problem sets are distributed during tutorial and take the place of tutorial problems (but they're not taken up at the end since they will be marked). Finally, some tutorials just involve taking up the homework that was assigned for the past week, since a solution manual is not always available for a textbook. In each case, tutorials are led by a teaching assistant, who (when they're not babysitting undergrads) is pursuing their master's degree or PhD in the field that the course falls under. Since they won't be teaching for most of the tutorial, the TA is there to answer any questions you might have about tutorial problems, problem sets, or any of the concepts in the course. Tutorial is also when quizzes take place, and when course work is handed back.

### Practical (2-3 hours)

Practicals (usually referred to as 'labs') expose you to course concepts a third time, but in a hands-on, practical setting. They usually involve completing an experiment or practical task related to course content covered in recent weeks, gathering relevant data, and submitting an answer sheet on the day of the lab, or a lab report a few days afterwards. Labs are completed under the supervision of lab TAs (usually different from your tutorial TAs) that can answer any questions you have and provide assistance if you are experiencing some difficulties or if there is an emergency. Most labs also have a preparatory component (referred to as 'pre-lab' or 'lab prep') that must be completed beforehand in order to increase your chances of completing the lab successfully and in the given time period. While you can probably survive without doing your pre-lab in first year, it becomes absolutely necessary in second year and onward, so don't get into the habit of not doing your pre-lab.

Though you'll have a certain number of classes on your timetable, you'll find that not all 27 or 30 hours of class will be useful to you. You may find that some of those hours will be better spent studying with friends or doing practice problems. Out of all of these class types, attendance is only really required at labs, so use your discretion in deciding which lectures or tutorials to attend.

## CORE 8 ANTI-CALENDAR

The faculty may have sent you a lovely outline of all the courses you will be taking throughout first year with all the course descriptions and you are eager to start your learning now. Take my advice and stop reading those right now and take a look at these instead for humour or some good advice! The stars represent the course **difficulty** (easy to hard), the **workload** (none to too much), and the **value of the course lecture/tutorial/practical** (none to a lot) all out of 5.

### APS104



**Title** Introduction to Materials and Chemistry  
**Taken by** ECE, T1  
**Aids** Wikipedia, Professor Bender, Textbooks

**Review** - *"Thermodynamics is a funny subject. The first time you go through it, you don't understand it at all. The second time you go through it, you think you understand it, except for one or two small points. The third time you go through it, you know you don't understand it, but by that time you are so used to it, it doesn't bother you any more."*

**Difficulty** ★ ★ ★

**Workload** ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

This course exists for two reasons: 1) to give T1's a [poor] taste of ChemE, and 2) the CEAB requires all accredited engineering programs to have a chemistry course. Tough luck, ECEs! Anyway, while materials science and chemistry are interesting subjects by themselves, this course combines basic MSE101 with introductory thermodynamics in one of the biggest organizational clusterfucks you will ever see. The materials science portion covers the microscopic structure of materials and its relationship to a variety of physical properties. The chemistry portion covers the three laws of thermodynamics, and revisits chemical equilibrium and electrochemistry from a thermodynamic perspective. The content of this course is simple, but there is A LOT of it. To make matters worse, the lectures will switch from materials to chemistry every two/three weeks. The course ultimately boils down to memorizing some materials science, and knowing how and when to use a couple of formulae.

Although lectures can be boring, falling behind in this class is really easy and catching up is hard, so go to lectures. Tutorials will have problem sets that are essentially free marks (1% overall per tutorial). Unless your TA is a douche, labs will be free marks too. Take advantage of these opportunities because the second midterm will introduce you to a level of failure that you never even knew existed.

### APS105



**Title** Computer Fundamentals  
**Taken by** ECE, T1  
**Aids** Google, Wikipedia, StackOverflow, friends/peers who can program

**Review** - *"In order to understand recursion, one must first understand recursion."*

**Difficulty** ★ ★ ★ ★

**Workload** ★ ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

This course covers the fundamentals of programming using the C language. It starts off pretty slowly, but picks up very quickly for the second, harder half of the course, so stay on top of things. If you've already done programming, or if you've got a solid background in math, this course will be pretty easy. But if you don't fall into either of these categories, this will probably be the hardest course in first semester. The best way to learn programming is by doing, so spend the time and put in the effort to do all of the labs.

And also do NOT cheat! It's not worth it; the profs' marker scripts WILL catch you! Labs only add up to 17% of your final mark, but the things you learn in the process of doing them will be helpful for tests. If you need help, get some right away; this course constantly builds on itself, so you can't put off learning a chapter in the middle of the textbook until the night before the exam.





## CORE 8 ANTI-CALENDAR

There is a mysterious, ferocious beast by the name of the segmentation fault hiding in the depths of this course. If you aren't one of the lucky ones that never encounters it, fear not; it can be defeated with GDB, Valgrind and Red Bull.

### APS106



**Title** Fundamentals of Computer Programming  
**Taken by** CHEM, CIV, INDY, MECH, MIN, MSE  
**Aids** Google, Wikipedia, StackOverflow, friends/peers who can program

**Review** - *"Just keep programming. Just keep programming. Just keep programming, programming, programming. What do we do? We program, program."* - Dory from "Finding Nemo"

**Difficulty** ★ ★ ★

**Workload** ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

It is easier than APS105, but be warned. This course starts off simple but becomes exponentially harder. The best way to stay on top of this course is to actually do your own labs and extra problems. The more you practice, the better the programmer you will become. Make sure you attend all of your lab periods because you get 50% for each lab as long as you show up (woot, free marks!). If you have done C programming before, you probably won't have any trouble in this course but if you haven't, don't fear, just practice, practice, and practice.

### APS111/APS112



**Title** Engineering Strategies and Practice I/II  
**Taken by** CHEM, CIV, ECE, INDY, MECH, MIN, MSE, T1  
**Aids** Calm mind, good TA, bellcurves, positive attitude ... lots of it

**Review** - *"The first rule of leadership: everything is your fault."* - Hopper from "Bug's Life"

**Difficulty** ★ ★ ★

**Workload** ★ ★ ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

If you thought you could take Engineering to avoid English assignments, think again. APS111/APS112 or ESP I/II is a course that marks you on your ability to read and write course concepts, as well as having a hidden agenda of teaching you team skills through forced teamwork. You'll learn a lot of "common sense" material but when you get to the evaluations, you'll be sick with the ESP hate syndrome! Classic symptoms include thoughts such as, "this is so ambiguous" on evaluations, especially the multiple choice. "I hate my team" or "this teammate of mine is ..." or "we all get a zero if a teammate plagiarizes?!" when you're stuck in the team design reports. "We have to fill out a worksheet for EVERY source we use?" for those dreaded research worksheets you'll need to do that makes the design reports even longer. One good treatment for this syndrome is to review the lectures available online, a well-coordinated team, and sometimes, just a nice TA. ESP II is where it gets interesting as you get to work with a real client, and of course, the ability to fire incompetent people from your team (this happens very very rarely).

### APS150



**Title** Ethics in Engineering  
**Taken by** CHEM, CIV, ECE, INDY, MECH, MIN, MSE, T1  
**Aids** Online slides to study for the exam, common sense, logic

**Review** - *"If you really don't like someone, the worst thing you can do is go kill them, that gives you a minimum of 25 years behind bars, what you really should do is get drunk and run them over with your car; this way you only get 5 years"* - Ethics Prof

**Difficulty** ★

**Workload** ★

**Value of LEC/TUT/PRA** ★

Did you know that it is wrong to build a bridge that will collapse in a week, leading to the deaths of hundreds of people? If not, then perhaps go to the first ethics lecture. Otherwise, you probably passed the course already. The course is a pass/fail single exam that you need to

## CORE 8 ANTI-CALENDAR

score 70% on. Don't worry though, you won't be asked to solve any differential equations in the course, questions are multiple choice and require common sense. All the slides are uploaded online so feel free to read through them the night before. Be careful though if you fail it the first time you will have to do another test which isn't hard but comes with the shame of bombing the easiest 'engineering' test you will encounter.

### APS191



**Title** Introduction to Engineering  
**Taken by** T1  
**Aids** First year office, Engineering Career Centre

**Review** - "All drains lead to the ocean, kid" – Gill from "Finding Nemo"

**Difficulty** ★ **Workload** ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★

This one's for you, TrackOnes! Everybody knows that you can't make decisions, so this course is designed to help you choose the discipline you'll be going into next year! Each week, a different professor will come in and give you a presentation on all the awesome things about their discipline. You'll learn about upper year courses, future job opportunities, and you'll even get to talk to some TrackOne alumni! Hopefully, it'll spark your interest in specific areas of engineering, and help answer any questions that you might have. You'll also learn about the various engineering minors, how to pick your discipline, and leadership opportunities available to you. The lectures are all pretty interesting and you'll learn something cool about each discipline, so good luck deciding on one! #trackoneproblems. Attendance is the only requirement for the course, so this should be the easiest course you'll take all year. Just remember that you **MUST** show up for at least nine of the thirteen lectures to pass! Failure means re-taking the course again next year when you're already in another discipline!

### CHE112



**Title** Physical Chemistry  
**Taken by** CHEM, CIV, MIN, MSE  
**Aids** F.R. Foulkes, Physical Chemistry for Engineering and Applied Sciences

**Review** - "Hey! You guys made me ink!" – Pearl from "Finding Nemo"

**Difficulty** ★ ★ ★ **Workload** ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★

This course is perfect for easing into University Life. The beginning is a slow review of high school chemistry. You will relearn the easy stuff like stoichiometry, the mol (not the animal), and the ideal gas law. The material advances slowly until the end and may seem easy but do NOT be fooled. The final exam WILL bring the class average down to a more acceptable level. The textbook is a very, very, VERY helpful and friendly resource for understanding material from lecture that you miss or skip. Look out for Uncle Frank's fun footnotes! The TA will go over problem set answers in tutorial. So just remember to just keep swimming, and you will do "above average" in this course!

### CHE113



**Title** Introduction to Concepts in Chemical Engineering  
**Taken by** CHEM  
**Aids** Textbook, solution manual, website (ie. Wolframalpha.com)

**Review** - "IT'S ALL THE SAME!" – Professor G. Norval

**Difficulty** ★ **Workload** ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★

This course is purely for all you Chems out there! It will supposedly teach you what chemical engineering is all about. To begin, you will learn some basic equations about pressure and do



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some reaction problems. A few weeks in, this course changes gears completely and you will start learning about electricity! Doesn't make any sense? Don't worry, it will because after a few weeks, you are back in chem for the final part of the course. The master plan of this course is to learn a few 'F' words like flux and flow and the electricity portion is just part of some huge analogy which will be the only thing you may learn in this course: that it is all the same! Whether it be flow of the electrons or fluid, it is all the SAME! Know those five words and you will pass the course with flying colours!

### CIV100



**Title** Mechanics  
**Taken by** CHEM, CIV, ECE, INDY, MECH, MIN, MSE, T1  
**Aids** Past exams, Textbook, Practice

**Review** - *"Great minds discuss ideas; average minds discuss events; small minds discuss people. So if one of you ever has an idea (or the solution to the last question on the civ problem set) don't be afraid to discuss it."*

**Difficulty** ★ ★ ★

**Workload** ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

The beginning of this course will feel like physics review but it'll pick up and you'll soon wonder why things in 3-D ever existed. This course mainly deals with the sum of all forces and moments (not momentum little F!rosh) equal to zero. The course itself doesn't take too much work to get a good mark, however that doesn't mean it doesn't require work at all. The concepts are quite straightforward and the lectures are useful. If you manage to do the practice problems (which you should) it will be much more useful. Even though the concepts might seem easy (don't be a silly F!rosh), the way you apply the concepts to the problems is how you will be marked. Excluding the midterm and final exam, the course work includes a weekly problem set and a couple quizzes. The exams usually follow the same format as previous exams, so DO THEM.

### CME185



**Title** Earth Systems Science  
**Taken by** CIV, MIN  
**Aids** Earth Systems and maybe a protractor

**Review** - *"No matter how many times you save the world, it always manages to get back in jeopardy again."*

**Difficulty** ★ ★ ★

**Workload** ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★

Prepare for a rock-eat-rock course, fellow CIV/MIN. This course will make you remember everything related to geography you learned in your elementary, middle school and high school years and take it to the next level. If you loved geography in high school, then the labs, campus wide field trip, and the building report will make this course extremely interesting. Each lecture in this course is about two hours of the professor rushing through a huge number of slides. The textbook is helpful if the slides aren't helping, and you get to see the world in a different perspective afterwards. Know the mapping details carefully in this course; they pop up both in the midterm and the final exam. Make your cheat sheet for the midterm and final exam as you traverse through the semester, not the night before, you can get a free A+ that way! MAKE IT NOW.

### ECE101



**Title** Introduction to Electrical and Computer Engineering  
**Taken by** ECE  
**Aids** A pillow, your favourite video game

**Review** - *"I'm so bored" - Everyone in ECE101*



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### Difficulty ★

### Workload ★

### Value of LEC/TUT/PRA ★ ★ ★

The purpose of this seminar is to introduce first year ECE students to the different areas within the extremely broad field of electrical and computer engineering: control systems, analog and digital electronics, electromagnetics, energy systems, computer hardware, etc. But really, it's just the pros getting a head start on recruiting grad students (slaves) for their research groups in the future (or perhaps even in the summer). Each week, a different professor will give a presentation about their research area and their work. Fear not; the presentations can actually be quite interesting depending on who's presenting. There are no quizzes, tests or exams, but you need to attend at least 70% of the seminars to receive the credit for the seminar. Although this is just a credit/no-credit seminar, it is a degree requirement, so make sure to get this credit out of the way. I'm not condoning not paying attention, but you might find it a better use of your time if you bring a pillow, work from other classes, or a video game to seminar.

## ECE110



**Title** Electrical Fundamentals

**Taken by** ECE, INDY, MECH, MSE, T1

**Aids** Sharp 520, WileyPlus, Textbook

**Review** - "ECE might sound boring, but I think the boring stuff is the stuff I remember the most." Russell from "Up"

### Difficulty ★ ★ ★ ★

### Workload ★ ★ ★ ★

### Value of LEC/TUT/PRA ★ ★ ★ ★

If you like magnets, batteries, resistors, and switches, this intro to electrical fundamentals is for you. Pull out the super-suit for the first half of the term: electromagnetism is tough. Make it through the first midterm and you'll be rewarded with an easier second half of circuit analysis, at least until imaginary numbers appear (keep that Sharp520 handy and thank me later). The labs are fun and easy to do well on (100% WOOO)—just have your pre-lab complete and keep your fingers crossed that you won't end up with one of the few harsh TAs. The textbook is useless for explanations but the problems are great (Tip: WileyPLUS questions are the same as the textbook questions). I wouldn't miss classes for this course; don't be afraid to ask questions—if you're clueless, there's a good chance that everyone around you is too. Tutorials are usually homework take-up time and are a hit or miss, depending on your TA. ECE110 is known for equation-overload. You won't get a formula sheet on the final exam, so practice!

## MAT186



**Title** Calculus I

**Taken by** CHEM, CIV, INDY, MECH, MIN, MSE

**Aids** Early Transcendentals 10th edition, Youtube

**Review** - "First, you were all like whoa, and then we were like whoa, and then you were like whoa." - Crush from "Finding Nemo"

### Difficulty ★ ★ ★

### Workload ★ ★ ★

### Value of LEC/TUT/PRA ★ ★ ★ ★

Good news, MAT186 isn't the toughest course around. A lot of it will be review from high school, especially for our AP and IB friends. Now, we all know how much fun calculus homework is (lotsofsuperawesomewin). So do yourself a favour and DO THE ONLINE ASSIGNMENTS. No, really, just DO THEM. They're relatively free marks thanks to the lovely people down at wolfram alpha. We love you guys more than unicorns love to sun bathe. However, only use wolfram alpha when you absolutely need to. When you do the questions sans wolfram, you actually learn the course - whoa more perks! The club won't even be able to handle you right now. And by club I mean all of your awesome friends who will be so impressed with your knnoooowwwilledddgge!!!! It's a win win. As far as the exams go, they stay pretty similar year to year. Its totes worth it to practice with past years exams. You can find them ALL on Prof.

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Burbulla's website. My last piece of wisdom for you is this: in a pinch, a scrunched up crayon makes a great fake moustache. That's all folks!

### MAT187



**Title** Calculus II  
**Taken by** CHEM, CIV, INDY, MECH, MIN, MSE  
**Aids** Wolfram Alpha, Graphing Programs, Burbulla's Notes, Past Exams

**Review** - "YOU SHALL NOT PASS" - Dietrich Burbulla

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★ ★

So when the second semester rolls around, you'll be probably feeling a little cocky, if not completely arrogant about the A+ you scored in Calculus I (MAT186). "Man, Calc is SO easy, Integrals are my b\*tch! My IB is gonna breeze me through Calc 2!" But after that first midterm, you're going to pray that you'll pass the course, because it is nothing short of tough. You'll start off with some Integration by parts then move onto Trig Integration, Infinite Series, Differential Equations, and finally, some Vector Calculus. Long nights will be spent in front of your sweat-stained computer desperately trying to figure out the Wolfram solution you frantically typed at 88 words per minute. The sound of Burbulla's 1.21 meter stick of death hitting the board ringing through your ears will be the only reprise from the boredom of a 9am lecture. But listen well, because the key to conquering the Calc II Final is Burbulla's very own Past Papers, which will be the almanac allowing you to foresee the contents of your semester's final. Good luck, because you'll need it.

### MAT188



**Title** Linear Algebra  
**Taken by** CHEM, CIV, ECE, INDY, MECH, MIN, MSE, T1  
**Aids** Wolframalpha.com, textbook, lecture videos, Burbulla's notes

**Review** - "Students please pay attention, this is important, it's math, it's not art or history or something." -Mariam Mourtada

**Difficulty** ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★ ★

Unlike calculus this course is highly theoretical, and you will probably find yourself wondering more than once if anything you're learning in the course could ever be actually be useful (don't worry it will be one day). Most of this course is focused on memorizing algorithms, however some problems can be solved in more than one way so you will need to know at least the basics of what these algorithms are doing, so you can choose the best/fastest one. It's really important to keep up with lectures and homework with this course, because the repetition will really help you remember how to do the problems. They will release lecture videos of one of the sections which you can watch if you have a bad prof instead, but remember to keep up with these, because watching them all the day before the exam will mostly likely result in a failing grade. The good thing is that the tests and exams always follow the same (or a very similar) format, so you can prepare really well with those.

### MAT196



**Title** Calculus A  
**Taken by** ECE, T1  
**Aids** Textbook, TAs, solution manual, Khan Academy, patrickJMT

**Review** - "I was going to serve beer at this math party I was hosting, but then I remembered that you can't drink and derive"

**Difficulty** ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★

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This course is essentially a review of high school differential calculus, with a few extra topics like inverse trigonometric functions, implicit differentiation, related rates, and the beginnings of integration (which includes the sacred fundamental theorem of calculus). As an added twist, calculators are not allowed on tests and exams. Unless you really struggled in high school calculus or had a really bad math teacher, you can realistically expect to ace this course. Although this course is mostly review, you should still go to lectures to refresh your memory on the old, high school material and towards the end, learn the new stuff.

Unfortunately, marking practices are less forgiving in university than in high school. Your written process is much more important than your answer. Many first years will lose marks due to insufficient explanations or poor mathematical form. High schools tolerate a lot of sloppiness that universities will not:

- ◆  $0 \cdot \infty$  is NOT equal to 0, neither is  $\infty - \infty$
- ◆  $\sqrt{x} = |x|$ , not  $x$  or  $\pm x$
- ◆ to get the derivative of a function, you differentiate it, you do not derive it

### MAT197



**Title** Calculus B  
**Taken by** ECE, T1  
**Aids** Textbook, TAs, solution manual, Khan Academy, patrickJMT

**Review** - "In mathematics, you don't understand things. You just get used to them."

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★

Although you barely covered integration in Calc A, the Calc B profs will assume you've become an integration master over the winter break while you were hibernating and playing video games, and will expect you to be able to integrate in your sleep. This course picks up where Calculus A ended. It finishes off volumes by integration, and covers integration techniques, physical applications of integration, sequences, series, power series, polar and parametric curves, and vector-valued functions. By the end, you'll realize that integration is far more useful than differentiation, but also way more difficult, and you'll hate your high school math class for being a useless waste of time. Although this course looks packed, the amount and difficulty of the material covered is the same as Calculus A. However, it won't seem that way because Calculus B is not a review of high school calculus, and because your other courses are a lot more difficult in semester 2 (\*cough\* DYNAMICS \*cough\*). You can't afford to fall behind; go to class, go to tutorials, and do ALL of the homework and you'll be fine. The style and difficulty of tutorial problems mirrors that of problems found on the midterm and exam, so they are the best way estimate the probability of doing well in the course.

### MIE100



**Title** Dynamics  
**Taken by** ECE, INDY, MECH, T1  
**Aids** Textbook, Solution Manual

**Review** - "Say hello to the Scream Extractor." - Randall from "Monsters Inc."

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★

In a nutshell, dynamics is high school physics on steroids (Fnet=ma anyone?). In the first half of the term, you'll explore kinematics, force, work, energy, impulse, and momentum in the context of particles. You'll think the course is straightforward at first, but take the time to fully understand rectangular, normal-tangential, and polar coordinate systems or you'll struggle in the second half of the term. That's when the fun begins, little F!rosh. Following the midterm, the same concepts will be re-introduced for rigid bodies. If you haven't given much thought to how complex a rolling wheel or moving stick can really be, get ready for a surprise. Watch out for questions that





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seem to be simple. Determine the thrust developed by a jet aircraft engine? Pshhh, that's a two-line solution. Asked to analyze a wheel rolling down a hill? You may need a page (or 5...). But all hope is not lost, F!rosh! Keys to success: 1. PRACTICE! Do your homework, past quizzes/tests/exams, and problem sets. The tutorials are helpful—you'll work on problems in class similar to those on the test and exam. 2. DON'T procrastinate learning the concepts—every lecture builds on the previous one. 3. Make a detailed cheat sheet for the final exam over the semester. Just keep swimming and you'll make it through, I promise.

### MIE191



**Title** Introduction to Mechanical and Industrial Engineering  
**Taken by** INDY, MECH  
**Aids** Your pillow, coffee, snacks, anything that catches Wi-Fi, your T-card

**Review** - "This course is the unknown that excites the ardor of scholars, who, in the known alone, would shrivel up with boredom." - ECE keener caught sneaking in the seminar

**Difficulty** ★

**Workload** ★

**Value of LEC/TUT/PRA** ★ ★

Attention MIE peeps! Still not done with this week's Mastering Engineering? Need extra time to study or sleep? Welcome to the Mechanical and Industrial Engineering Seminars, a course where you are graded on attending only nine; yes NINE of the 12 seminars. Three steps to surviving this dire class: swipe T-card, sit back (and by back I mean literally in the back), and relax. But wait! There is also a little something for the keeners. Ever wondered what Indys actually do for a living (besides burger flipping)? This course is a sneak peak of the boundless opportunities waiting for you within the MIE department. Each week you will hear from a different guest speaker who will try to talk you into choosing their stream. Sitting through these seminars may seem like the greatest challenge, but it will definitely help you decide what field you want to go into within MIE. If you somehow fail to attend the minimum amount of lectures (like seriously?), you will not only be asked to retake this course in second year but will also carry the shame of failing a credit/no credit course.

P.S. Do not try to swipe and sneak out, they will try to catch you!

### MSE101



**Title** Introduction to Material Science  
**Taken by** CHEM, CIV, INDY, MECH, MIN, MSE  
**Aids** Textbook, solution manual, website ([sites.google.com/site/uoftmse101/](https://sites.google.com/site/uoftmse101/))

**Review** - "Just keep swimming, just keep swimming, swimming..." - Dory from "Finding Nemo"

**Difficulty** ★ ★ ★ ★

**Workload** ★ ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

With a quick review from grade 12 chemistry, the course covers quantum mechanics and the periodic table, but watch out, the pace fastens from then on. Phase diagrams, interstitial sites, crystal structures and engineering stress and strain will give you nightmares. As the course covers a lot of material, it is easy to fall behind, so keep up as you go along.

Tutorials are quite helpful as some questions for examination are taken up, and the TAs are great at explaining what you don't understand. Also during tutorials, there will be either a problem set or a 15-20 mins quiz. As for labs, they are easy marks and good opportunities to deepen your knowledge and witness and perform cool experiments. One thing to note is that labs are not weekly, but rather tri-weekly, as there are only 4 labs. Nearing the end, times may get stressful, but do not strain yourself too much. Do not be fooled by the easy labs and quizzes, as the midterms and the exam are quite tricky. Recommended is to read the text before coming to class, that way you will be more familiar with terms and won't get lost often. Review early on before being tested, by doing past midterms/exams.

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## CIV102



<b>Title</b>	Structures and Materials: An Introduction to Engineering Design
<b>Aids</b>	Your notebook, set square
<b>Review</b>	"An amazing ride from start to finish. Difficult, but worth every moment. Like a moon landing." - Michael Collins, Apollo 11

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★

An unforgettable course with a long-serving (30 years!) lecturer and an equally long name, CIV102 can be briefly summarized as "The Art of Bridge Building". In this course, you'll learn everything you wanted to know, and many things you didn't, about designing and building bridges: starting from high school physics, to truss calculations and material properties. Lectured by the legendary Professor Michael Collins, this course is unique in that there is no textbook. Instead, you'll buy a notebook to take all of your notes in, which serves as a textbook. Speaking of textbook, this is an open-book course, and you will be able to bring that notebook into all quizzes and the final (there are no midterms). Make no mistake, though, CIV is probably one of the toughest first year courses you will face, with difficult weekly problem sets and even tougher quizzes, as well as projects where you design and build a bridge! Fortunately, if your exam grade is higher than your term mark, it will become your final grade, but DON'T SLACK TILL THE FINAL! Many before you have tried, and failed, left behind to break down and repeat this course just like poor Wall-E. In all, just take notes, do the problem sets, and whatever you do, don't let the stress and strain get to your head.

## CSC180



<b>Title</b>	Introduction to Computer Programming
<b>Aids</b>	Online Textbook, Instructor Office Hours
<b>Review</b>	"This is a computer; the square is a monitor and the flat board with the symbols is the keyboard"

**Difficulty** ★ ★ ★ **Workload** ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★

If you are brand new to programming or terrified of the electrical devices names "computers": DO NOT FEAR! This course offers you a from-the-basics, easy-to-follow introduction to programming in python. Basic understanding of English grammar will help you through the logical ideas introduced from loops to objects. If you already know what a loop is, prepare to enter an infinite loop of smacking your head against the keyboard. For labs and assignments, find a partner with similar coding abilities so you learn from every project. Write your own code, they will find out if you don't. Don't get stuck on the sinking ship with 40 other people and a plagiarism scandal. The instructor for this course changes from year to year: experiences may vary. Just prepare for the Python.

## CSC190



<b>Title</b>	Computer Algorithms and Data Structures
<b>Aids</b>	Textbook, online readings provided by instructor
<b>Review</b>	"There are only a few types of pointers you'll need to survive CSC190"

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★

Last year, CSC190 was the follow-up course to CSC180 (the introductory computer science course) in the second semester. Historically, the instructors of the computer science have differed every year. Last year's instructor was Elizabeth Patitsas, a PhD student of Computer Science Education. The course was very fast-paced, which allowed for extra time to learn additional types of data structures, algorithms, and NP problems. There were weekly quizzes, in addition to assignments (comprised of labs and reports) due every week. The CSC190 workload was arguably the most time consuming of all the courses, and the assignments could



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take up to tens of hours each week. It will be hard to predict this year's course, especially with the absence of CSC192, but the keys to success are the same: Be patient, do the readings, understand every concept thoroughly, and ask for help when necessary.

### ESC101/ESC102



<b>Title</b>	Praxis I/II
<b>Aids</b>	Logic, English, teamwork skills
<b>Review</b>	"What is Praxis? Praxis is the art of bs-ing, like this sentence. No one really knows what it is!" - K.K

**Difficulty** ★ ★ ★

**Workload** ★ ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

People often ask themselves, "What is the meaning of life?" EngSci students however, ponder about the meaning of Praxis instead. SO, what IS Praxis? Praxis is an engineering design/communications course designed to expose you to the magical and mysterious world of engineering design – please do not ask what it is – through a series of projects, namely design challenges and presentations. As such, this is arguably the most time-consuming course you will take in first year. You will abhor Praxis when it sucks the life out of you. Be advised though, this is also the most practical course you will take in first year, so get the most out of it! Praxis I is composed of various small projects, whereas Praxis II is basically a one-semester-long design project, culminating with the final showcase to the media and the public. Unlike other EngSci courses, there is no bell curve in Praxis, but don't worry! As long as you put in the time and the effort, it is fairly easy to do well! Have fun!

### ESC103



<b>Title</b>	Engineering Mathematics & Computation
<b>Aids</b>	MATLAB: An Introduction with Applications by Amos Gilat
<b>Review</b>	"Did I mention I work out?" – Will Cluett

**Difficulty** ★ ★ ★ ★

**Workload** ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

This is perhaps the most erratic course you'll have to take in EngSci. To put it simply, the course has three components cobbled together: an intro to vectors and matrices, an intro to programming in MATLAB (WARNING: Here there be dragons), and an intro to numerical estimation methods. Taught by former chair Will Cluett (who has a habit of showing off), this course can range from excruciatingly boring to extremely exasperating in the space of a week. On top of this, if your high school did not cover vectors, you could find yourself falling behind very quickly if you don't keep up. However, this course can be manageable if you focus on doing what little example problems Cluett releases. As well, don't worry too much about MATLAB, for as stressful and confusing it can be, it is usually only worth a small fraction of your mark. Practice is key, and this course has only 2/3rds of the lectures your other classes will have, so spend that extra time practicing! It will pay in dividends on the midterm and exam; did I mention these two things account for over 75% of your mark?

### ECE159



<b>Title</b>	Fundamentals of Electrical Circuits
<b>Aids</b>	Textbook, Not falling asleep, doing the problem sets
<b>Review</b>	"Obviously, the averages in this course are very low" - Reza Iravani

**Difficulty** ★ ★ ★ ★

**Workload** ★ ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

Professor Reza Iravani, the course instructor and coordinator for this course, is a legend. He is one of the best professors you will encounter in first year (second only to M.P. Collins himself). Iravani teaches clear, easy to follow lectures and always takes time to answer every question thoroughly. Concepts and examples introduced in lectures will be reiterated in tutorials and

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labs. The labs require prior preparation, but are essentially free marks. If circuits are unfamiliar territory for you, be sure to do all the optional problem sets. Double, triple, and quadruple check answers as to avoid crying yourself to sleep after midterms, when solutions are released an hour after you leave the exam centre. Regardless of whether your marks are high, low or a 90 degree phase shift in the phasor domain, you will acquire vast amounts of essential knowledge on the basics of circuits that will prove invaluable in later years (hopefully).

## MAT185



**Title** Linear Algebra  
**Aids** Course notes, exercise book  
**Review** "The proof will be left as an exercise to the reader" - MAT185 Notes

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★ ★

This will be a challenging course for many, due to the theoretical and abstract nature of the material. The entire course is summed up in a textbook (written in the form of a story!) authored by the professors of the course. You will learn concepts such as the axioms of real numbers, vector spaces, bases, and eigenspaces. It is highly recommended that you practice the questions in the workbook, and that you go to tutorials. All the major midterm and exam questions are proof-based, and TAs will very often demonstrate important and ingenious methods as they solve example problems in tutorials. Be cautious; it is very tempting to skip lectures because of the comprehensiveness of the course notes.

## MAT194



**Title** Calculus I  
**Aids** Textbook, Friends who did AP/IB in high school, your TA  
**Review** "Those deleted scenes were better off left deleted - I mean, what in Cthulhu's name did I just watch!?" - Everybody

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★ ★

You EngScis probably found high school calculus easy. Well, all of that is about to change. This special Director's Cut of Calculus includes complicated commentary and deleted rigorous scenes, designed just to make you suffer. In fact, your first lectures will introduce you to rigorous proofs from basic axioms, followed by the infamous delta-epsilon fratboys, who then rough you up so much with their rigorous hazing rituals that you'll be lucky to be able to think properly at the end of each lecture. The lectures go insanely fast, so take notes and review them, and USE THAT STEWART TEXTBOOK. It will help you understand concepts, which are made a lot more complicated during lectures. Tutorials are useful, too, if your TA is good. Midterms and exams focus mostly on VERY HARD applications, with little in the way of proof questions. Don't expect to get perfect, though – even geniuses won't be able to answer all questions correctly. Fortunately, there is a very generous bell curve for this course, so don't feel too bad about that 65 on the midterm (or your potentially sadistic TA, since this course scales by teaching assistants).

## MAT195



**Title** Calculus II  
**Aids** Calculus 7th edition by James Stewart  
**Review** "Git-R-Done!" – Mater from "Cars"

**Difficulty** ★ ★ ★ ★ ★ **Workload** ★ ★ ★ ★ ★ **Value of LEC/TUT/PRA** ★ ★ ★ ★ ★

So you just finished Calculus I and it was bad, right? Well... Calculus II isn't any better. Sorry. Although the material may seem familiar at the beginning, this course takes a hard turn at sequences and series and never looks back. Coupled with that are parametric equations, vector functions and (surprisingly) a quick and easy look at multivariable calculus. The quizzes and





## ENGSCI ANTI-CALENDAR

midterms are about the same as first semester, but practice is very crucial to getting a decent grade. As with first semester, Stewart is your BFF when it comes to explaining calc, so don't fret if the prof is going at lightning speed during lectures. The key is to watch out for the final. **WARNING:** You will not finish the final exam, and some things will be bran. On the plus side, there is a generous bell curve on the exam, so it's just a matter of answering as much as you can.

### MSE160



**Title** Molecules and Materials  
**Aids** Molecules and Materials by Callister & Jepsersen  
**Review** "Why is the electron?" – Warren Chan

**Difficulty** ★ ★

**Workload** ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★ ★

If there ever was a "bird course" in EngSci, this is it. Divided into two parts, this course's first half is taught by Warren Chan and focuses on chemical bonds, atomic properties, and chemical structures. It's generally a review of high school chemistry (with some new material thrown in, like ligands), so if you find yourself falling asleep in this half, don't worry too much (the lecture slides are posted on Blackboard too). Besides, Chan's lectures can be entertaining, albeit for the wrong reasons. The course picks up in its second half, taught by the charismatic Harry Ruda. This half focuses on material science, specifically things like phase diagrams, how materials deal with stress, and about 1000 equations you'll need for the final (don't worry, there's an aid sheet!). Sprinkled in for both halves are weekly quizzes, and Ruda's half also has problem sets (which you may often find are completed at the last minute with friends). All that aside, relax! This course often doesn't have a bell curve because students do THAT well.

### PHY180



**Title** Classical Mechanics  
**Aids** Online solutions manuals, high school physics  
**Review** "Interesting sequel to an old classic, but not good enough to be the apple of my eye." - Sir Isaac Newton

**Difficulty** ★ ★

**Workload** ★ ★ ★ ★

**Value of LEC/TUT/PRA** ★ ★ ★

Like graduating from Monsters University to working at Monsters Incorporated, Classical Mechanics is a course that builds on what you've learned in high school. Content-wise, the course is relatively light, despite the details that the prof goes into during lectures (which is only for "general knowledge", something you will hear a lot about). Test and exam questions are often pulled from the textbook, but will require more than memorization. You also get problem sets and quizzes that will motivate you to study (appreciate them now, as they become rare in upper years). In addition, like everything else in EngSci, there is always an element of rigour just to make life a little harder for you – for PHY180, this comes in the form of labs. They sound simple enough, asking you to investigate physical relationships you learn in class, but take a LONG time to write up. Overall, this is one of the easier first-year courses. Compared to your other courses, that is.

## SUMMER SCHOOL AND T-PROGRAM

Final grades for all courses are released on ROSI. Here at the University of Toronto, grades are reported in 3 different ways: as a percentage, as a letter grade, and as a GPA (Grade Point Average) from 0.0 to 4.0, based on your percentage grade. The Faculty of Applied Science and Engineering doesn't use GPAs, but they are shown on your transcript because that's what Grad school (and some employers) look at. Final class averages are reported as letter grades.

### Mark Conversions

GPA	Percentage	Letter
4.00	90-100	A+
4.00	85-89	A
3.70	80-84	A-
3.30	77-79	B+
3.00	73-76	B
2.70	70-72	B-
2.30	67-69	C+
2.00	63-66	C
1.70	60-62	C-
1.30	57-59	D+
1.00	53-56	D
0.70	50-52	D-
0.00	≤49	F

Your GPA is calculated by taking a weighted sum (because you can have courses worth 0.5 or 1 credit, for example) of the grade point values you have earned in your courses (shown on the table to the left), divided by the number of courses considered. U of T Scarborough has an online GPA calculator available to students. Alternatively, ROSI will calculate your GPA for you once all of your final marks have been released.

If your sessional average (the average of your course grades in one term) is 60% or above, congratulations! You're promoted with a clean record to the next session. In other words, you passed, and can carry on to infinity and beyond! If you manage to get a sessional average above 60%, but have failed a course, contact the First Year Office ASAP to enrol in the repeated course. EngSci F!rosh have it differently – it's a minimum average of 55% in the fall semester of first year, and 65% in the winter semester. For every semester after that, it's a 60% average like everyone else.

If you're taking a full course load and have a sessional average of 80% or above, you earn a place on the Dean's Honour List (an honour for scholarly Space Rangers!). Bonus!

So... what if you couldn't make a 60% average? Don't worry; it's happened to the best of us too. If your sessional average is between 50% and 60%, you're on probation! But don't panic, it was bound to happen someday. You can get off probation once you have 2 full course load semesters in a row, with no repeated courses, each with an overall average of 70% or higher. However, EngScis will need to transfer into one of the Core 8 programs if they receive below the required average to be promoted with a clean record.

Since we know how tough things are, the school will come save you if you fail a course (or two, or three)! U of T offers the T-Program, or "Transition Program" in which you can retake up to 3 courses you have failed (but not more than 3!). Depending on the situation, you could be re-taking courses you failed in either the Winter or Summer sessions, or both. Students who have dropped courses will also need to take T-Program courses, since you need to pass all of your first year courses to get into second year. Students transferring out of Engineering Science may also need to take these courses. Be warned that the courses taught in the T-Program are taught MUCH faster.

For more detailed info about being on probation and the T-Program, you can consult the Engineering Calendar online at [www.undergrad.engineering.utoronto.ca](http://www.undergrad.engineering.utoronto.ca) under the Academic Regulations section, or see any of the friendly counsellors at the First Year Office, located near the Galbraith Building lobby. Don't worry, they're here to help you!



## AWARDS & SCHOLARSHIPS

Are you pulling a Dory and forgetting where you put your money? Need some more dough to just keep going?? Luckily, there are always these resources you can turn to:

### The Ontario Student Assistance Program (OSAP)

Provides loans to Ontario-residents. The loans are interest-free as long as you are enrolled in full-time university study. [www.osap.gov.on.ca](http://www.osap.gov.on.ca).

### University of Toronto Advanced Planning for Students (UTAPS)

UTAPS is set up for people who have already received maximum assistance from OSAP and still do not have the necessary financial aid. The great thing is that you will be automatically considered, and you don't have to pay the money back! [www.utaps.utoronto.ca](http://www.utaps.utoronto.ca).

### Ontario Student Opportunity Trust Fund (OSOTF) Awards

For admission OSOTF Awards, it is crucial that an admission applicant complete a UTAPS application in order to demonstrate financial need.

### Faculty Grants

If you have exhausted all other means of support and still find yourself in financial difficulty, the Faculty can provide assistance in the form of a grant. Fill out this application <http://www.adm.utoronto.ca/adm-awards/html/financial%20aid/undergraduategrantapp.pdf> and submit it to the Undergraduate Admissions office (GB153).

### Scholarships and Awards

Students in the faculty are considered for scholarships and awards upon admission and after each academic year. <http://www.undergrad.engineering.utoronto.ca/information/awards.htm>.

### In-course scholarships

Please ensure that your online Engineering Portfolio <https://www.apsc.utoronto.ca/ePortfolio/> is complete and up-to-date. The Scholarships Committee will use the information in the Portfolio to assist them in selecting recipients for these awards. Note this is only available to students in second year and above.

### External Scholarships, Awards, and Grants

Look at other websites for more information. <http://www.canlearn.ca/> Students should also check the scholarships bulletin board located in the Galbraith Building, outside room 153 for information about external scholarships for which they may be eligible.

### UTSU Book Bursary

Offered by the UTSU and U of T Bookstore, the bursary is a partial reimbursement for the costs associated with purchasing textbooks. <http://www.utsu.ca/> For more information go to: <http://utsu.ca/section/1047>.

There are several awards and scholarships you can apply for to help you pay for school. There are in-course awards and scholarships purely based on academic performance, which everyone is automatically considered for based on their grades. Then, there are scholarships that are awarded based on involvement in extra and co-curricular activities. To be considered for these, you must fill out your online **engineering portfolio** by the beginning of June (after the school year has ended). It is a lot like the extra-curricular activities section of the SPF you filled out in order to apply to Skule™, and it is used by the selection committee to make decisions about any scholarships related to extra-curricular involvement. No matter what, always fill out your portfolio; you won't get considered for anything if your portfolio is blank.

# SKULE<sup>TM</sup>

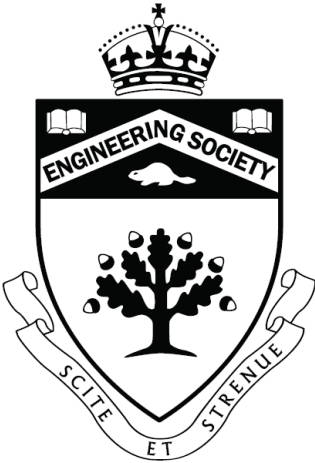
## STORY







## THE ENGINEERING SOCIETY



### What is EngSoc?

The University of Toronto Engineering Society, also known as EngSoc, is the student government for students at Skule™ — the Faculty of Applied Science and Engineering at the University of Toronto. EngSoc manages Skule™ services and provides club funding, professional development, and extracurricular opportunities to over 4800 full-time members, proudly continuing the traditions and storied history of Canada's oldest and largest engineering school. Founded in 1885, it is the oldest Engineering Society of students in Canada.

### Why Skule™?

Built in 1878, the School of Practical Science building, known colloquially as 'The Little Red Skulehouse', was the original home of the School, later merged into the University of Toronto as the Faculty of Applied Science and Engineering. It was demolished in 1966 to make way

for the Medical Sciences Building. The engineering student community is referred to as "Skule", a remnant of the old building's name. We even trademarked "Skule" in 1984 so those pesky Artsies won't steal or misuse our name!

### What do we do?

The Engineering Society is your student government, a volunteer-run organization that provides useful services and representation to all 5,000 undergraduate engineering students at the University of Toronto. We represent you to the Faculty and University and speak up for your interests, as well as run services ranging from a non-profit textbook store and a cafeteria to F!rosh Week itself and this publication. We also fund student clubs and teams.

### What can I do?

Want to improve the undergraduate experience of 5,000 of your peers and gain valuable transferable skills along the way? The Engineering Society offers countless volunteer opportunities where you can just show up and lend a helping hand. You can work at our commercial operations, serve at our pub, show up to committee meetings, and more. Want to make decisions and set our priorities? Keep an eye out for elections and run for a position - we're always looking for eager students to put their name forward and make a difference.

## PRESIDENT



Welcome to Skule™, class of 1T7!

If you're actually flipping through this book and reading every line of text, you're probably overwhelmed with how much information it appears you "need" to know before you get here for F!rosh Week. If you step foot on campus in September knowing only one thing, it should be this: four years will go by faster than you can ever imagine.

As I write this, I remember exactly what I felt reading the 2009 edition of this book. I picked U of T for a lot of the reasons you might have: it had a great reputation, offered a wide range of programs, and was in Toronto. The academic challenge appealed to me. I knew I wanted to come here and get an engineering degree, but I also wanted to make this community a better place for others – and it is through that latter purpose that I came to learn what makes this the best place to get an engineering

degree in Canada.

Yes, U of T has a good reputation, but there are better reasons to be an undergraduate student here: access to over 80 clubs and teams spanning cultural, engineering, hobby and athletic interests, a 128-year-old student government, and all the adventures of Canada's largest city.

You don't have to join every club or become the President of the Engineering Society. Prepare for things and do your best in school. But also take time to discover your passions, and meet as many people as you can. It will be over sooner than you think and you will never have an opportunity quite like it again. You could treat this place as just another hurdle on your way to earning a salary, doing nothing here but going to school and going home to do schoolwork – but you will only truly learn what you are capable of by going outside your comfort zone and taking risks.

And as you embark on this next chapter of your life, the Engineering Society, your student government for the next 4 years, is here to support you, and I am immensely proud to be leading this organization this year.

We run F!rosh Week, a past exams database, a non-profit textbook store, a cafeteria, and more. We represent you on the faculty and administration level on academic and curriculum issues. We fund clubs and teams, and print this Handbook. We are the only student organization here with an obligation to be useful to all engineering undergraduate students and improve their experience at U of T. Getting involved in EngSoc is a sure way to help others get the most out of their time here.

When you leave this place, you won't remember most of the math and physics you learned – but you will always remember the skills, memories, and friends you gained outside the classroom. You will remember the time you stayed up to help your design team finish their robot before the competition, the time you walked in the Toronto Santa Claus Parade with the LGMB, and all the people who were there with you along the way. I hope as you start your time here, you seek to find not only a place for yourself, but a way to leave this place even better than you found it, for all those whose journey here has yet to begin.

**Mauricio Curbelo (CIV 1T3 + PEY)**  
**President, University of Toronto Engineering Society**



## VP FINANCE & COMMUNICATIONS

### Vice President Finance - Gordon Tattle



Greetings F!rosh, welcome to Skule™! I'm glad you all chose U of T Engineering and soon you will be too. Prepare to have an amazing time at Orientation Week, hosted by our beloved Orientation Committee and EngSoc!

What is EngSoc you ask? EngSoc is short for the University of Toronto Engineering Society. We represent all of the undergraduate engineering students on campus and provide services like Orientation, this Handbook you are reading, Engineering Stores (where you can buy your textbooks), the Hardhat Café, Gradball, the Toike Oike (the best (possibly only) humour newspaper on campus), Suds (the last undergraduate-run bar on campus) and much more. We also provide funding for over 80

student groups and teams to let our students do things ranging from building a solar powered car to learning magic tricks.

As VP Finance for the Engineering Society I manage the Society's budget and make sure that our money is spent on making your undergraduate experience worthwhile. With this budget, we are able to fund student clubs, conferences, directorships, and lab improvements as well as run three commercial operations and provide academic advocacy for the engineering student body. I encourage you all to find a niche and get involved somewhere in the Skule™ community. I promise that whatever your interests are (assuming those interests are legal) there is something out there for you. You will only be in first year once (well, most of you anyway) but the friends and experiences you have will last throughout your time at Skule™ and beyond.

Welcome to this huge box of opportunities known as Skule™!

### Vice President Communications - Thomas Santerre



Hello class of 1T7! I am very excited to see you all this September and be immersed in the awesomeness that is Skule™! Your first week will be full of so much to do, so many people to meet, and hopefully not too much school work!

I am this year's Engineering Society Communications Officer, so all those emails that will have spammed to you through the year is courtesy of me! Feel free to email me at [engsoc@skule.ca](mailto:engsoc@skule.ca) or drop by in the SF basement office anytime you want to learn more about the services we offer or to know more about school in itself! Also remember to check out the new issue of the Toike Oike each month and the updates on [cannon.skule.ca](http://cannon.skule.ca) for engineering news.

I encourage you all to remember that there is more to Skule™ than school. Get involved in activities you enjoy, whether it is music, design or anything, chances are that there is a club for it, and if not then you are free to make your own. If there is one thing I have learned in my time here at U of T, it is that there is no shortage of interesting things to do! Try and find the right balance for you between school and Skule™ and you will have one unforgettable time here!

Also, JOYN TEH BNAD!!!!

## VP STUDENT LIFE & ACADEMICS

### Vice President Student Life – Gabriel Stavros



Welcome to Skule™! You will be spending the next four (or more) years of your life here, and it's my job to make sure that they are as enjoyable as possible.

The first step is reading through this super awesome handbook! It will give you a taste of some of the clubs and activities we have to offer. At U of T, we have one of the largest and most diverse engineering communities in Canada. Where better to explore your passions? Design teams, cultural clubs, intramural sports, charity organizations, musical ensembles, hobby-based clubs, theatrical showcases – you name it, we've got it! But if, by chance you can't find exactly what you're looking for, start your own! Can't find what you need? Want to start your own club or

host your own event. Don't hesitate to contact me at [vpstudentlife@skule.ca](mailto:vpstudentlife@skule.ca).

Extracurricular activity is not only a great way to explore areas of interest that you may never have looked at before, but it can also build essential life skills: teamwork, communication, time management, and leadership.

Orientation is a really exciting time for everyone at Skule™. Come out to all the events, meet as many people as you can, and have fun! Once you graduate, you will probably forget a lot of what you learned in the classroom, but the friends you make and the experiences you had outside of class will stay, so get involved, and make a difference! Congratulations on officially becoming a member of Skule™!

### Vice President Academics - TBA

Welcome to Skule™, young F!rosh!

At this multicultural University, you will meet a lot of different people; some of them will end up being your best friends, some of them you may never meet, some of them will have almost nothing in common with you but will still help you out when required. However, one thing that brings all University students together, whether you love it or hate it, is – you guessed it – Academics! As you may already know, U of T Engineering is one of the most difficult and rigorous (Hah! Get used to this word, you're going to hear it far too often in Calc!) programs in North America. Between all the partying, extra-curricular activities, partying, eating out, gymming (LOL not really!) and more partying (yeah, right!), there will be a whole lot of studying! U of T, being a top-rated university, the expectations are high, not only of students, but of the faculty as well, and that's why the Engineering Society has a VP Academic.

Along with the VP Academic, your Class Reps, Faculty Committee Reps, and even your Discipline Clubs, are here to help and assist you in case you feel that your academic experience is lacking, and does not match up to the expectations of "world-class education" that you had coming in. If you have any doubts, any questions regarding your academics, any complaints regarding your courses, any suggestions to improve anything at Skule™ academically, the VPA is here to listen! It is essential for the Faculty to hear the student voice.

Finally, although most of you are here for the education, do not forget to have fun, meet people and make strong relationships. F!rosh Week is an excellent way to start things off positively, so get super-excited for it! The following 4-5 years will pass by in a jiffy, and you won't even notice your university life fly by!





## MANAGER & FIRST YEAR OFFICE

### Business Manager - Rhonda Meek

The Business Manager manages the day-to-day operation of the Engineering Society offices and ensures that the offices are running efficiently. The manager is responsible for all processing, recording, maintaining, and monthly reconciling of invoices and payments and the statistical and financial analysis of all funds under the Engineering Society umbrella. These include Engineering Stores, the Hard Hat Café, the Engineering Student Levy Fund, ordering supplies, room & AV bookings, and ensuring capital assets are well maintained. Basically, if you ever need to use some of EngSoc's services (e.g. projector rentals, cheque reqs), Rhonda can help you out!



### First Year Office

Dear Frosh,

Welcome to U of T Engineering!

The First Year Team is excited that you've decided to join our community and we want you to know that we're here to help! The Faculty of Applied Science and Engineering at the University of Toronto has a number of supports in place to help students succeed. In particular, our team provides the following services: academic advising, orientation and transition support, study skills programs, health and wellness counselling, review sessions and study groups, and exam preparation. Our goals are to make your transition into first year as smooth as possible, to help you with any challenges along the way, and to prepare you for success in your upper years. Located in the Galbraith Building, room 170, the First Year Office should be your first stop for any help you might need during your first year.

Please visit us early and often. We look forward to meeting you!

#### The First Year Team

**Vanessa Andres, First Year Assistant**

**Leslie Grife, Assistant Registrar, First Year**

**Colleen Kelly, Assistant Registrar, First Year (Acting)**

**Hana Lee, Academic Counsellor (Engineering Science)**

**Darcy McKenzie, First Year Counsellor (Core 8 programs)**

**Curtis Norman, First Year Student Success Specialist (TrackOne Counsellor)**

**Micah Stickel, Chair, First Year**

<http://www.firstyear.engineering.utoronto.ca/firstyear@ecf.utoronto.ca>



# THE CANNON

Hey young Froshie, and welcome to the amazing world we call Skule™. Congratulations on making it into and choosing University of Toronto Engineering! If you feel like life hasn't been tough enough yet, then you're going to enjoy your time here.

Want to know what Skule™ life is really like? Well... remember in The Incredibles when Mr. Incredible starts working out like crazy and gets mad built? Skule™ is like that, but for your brain. On the other hand, the rest of your body will go through the reverse process (stay away from food trucks!). Seriously, think about how much you've changed since grade 9, and you'll realize just how many possibilities lie ahead for you. Your personality will change, you will have completely new friends, pick up a ton of new skills and interests, and have one hell of a time. There will be plenty of ups and downs, but each experience will change you and impact the rest of your life.

Before



After



*Look at the before; dude's so out of shape that he's pixelated.*

So anyway, The Cannon, the "more serious" of our two newspapers, has been Skule™'s official newspaper for 35 years now. In that time, it has kept us Skule™ monsters informed of latest news at U of T with its monthly editions. And while we pride ourselves in keeping you up-to-date with accurate articles about relevant issues, we also strive to include the latest in clubs, events, technology, entertainment and much more. As well, this past year The Cannon made the switch to an online format. This way, you can always stay informed on what's happening on campus (and it makes morning commutes a lot less boring).

What's that you ask? How can you help in creating such an amazing newspaper? Since the cannon is run entirely by a dedicated team of amphetamine-err...-caffeine-fueled student volunteers, we need help in all sorts of areas. Whether you want to write about things you find interesting, edit, design graphics, develop our website, man the cannon stations, or you just have an idea that you'd like to see become reality, you can:

1. Holla at [cannon@skule.ca](mailto:cannon@skule.ca) with what you'd like to do, or
2. Submit an article or idea at [cannon.skule.ca](http://cannon.skule.ca), or
3. Send me a telegraph using smoke signals (hint: use the Bahen smokestack)

Good luck in your first year, and remember that there is so much more to university than studying. Pick your favourite club and/or sport team, and get involved! When old age hits me in a couple years and I get my iron ring, I look forward to seeing the class of 1T7 take The Cannon and Skule™ to new heights, balloon style.

**Ashkan Parcham-Kashani, EngSci 1T4 + PEY**  
**The Cannon Editor-in-Chief 1T3-1T4**



**TOIKE OIKE**

# The Toike Oike

THE UNIVERSITY OF TORONTO'S HUMOUR NEWSPAPER SINCE 1911

Welcome, my innocent, naive F!roshies! First of all, I'd like to give you all a warm welcome to Skule™. Now that you're here, still questioning exactly what you've gotten yourself into by enrolling in engineering, I'm here to give you some reassuring news before y'all go ahead and decide to transfer to Ryerson. Here at Skule™ we are home to the ultimate comedy newspaper, the Toike Oike.

What is the Toike Oike, you ask? Founded over 100 years ago in 1911, the Toike Oike originated as a "real" newspaper. During its run throughout the decades involving many a scandal and plenty of questionable ethics, The Toike Oike decided to go through some rather dramatic life changes, thus transforming it into what it is today: U of T's most widely read, funniest, sexiest, and universally recognized comedy newspaper. You may be wondering how The Toike Oike is able to be so arrogant, yet so true. Well, the simple truth is that The Toike Oike is U of T's only humour newspaper, although all those things would stand regardless.

Now why are we, the engineers, responsible for writing a newspaper? Is that not exactly why we're here? To avoid this? Well, the truth is that us engineering students are the only ones capable of writing the top-notch comedy you see in the Toike Oike, and for some of us, it's the only thing that keeps us sane while enduring engineering. All the lame Artsci newspapers are boring and absolutely not worth your time, what you should really look for every month is a new, fresh copy of the Toike Oike.

Every month, the Toike staff, fuelled by copious amounts of food and BEvERages, compose a new Toike. During this process a new masterpiece is created, ready for the enjoyment of students everywhere. There's plenty for everyone to do, whether it be writing, or generating ideas, and graphics.

So if you want to join, go to [toike.skule.ca](http://toike.skule.ca) to check out past issues and sign up for the mailing list. As well, you can also send me an email at [toike@skule.ca](mailto:toike@skule.ca), because I get lonely sometimes.

**John Sweeney, Chem 1T6**  
**Toike Oike Editor-in-Chief 1T3-1T4**

Toike Tips:

- Toike Oike is pronounced "Toy-key-oi-ke" and "Toike" by itself is pronounced "Toy-ke"
- The back page of the Toike is printed mostly with black ink and can be rubbed all over your friends faces for a quick cosplay of a coal miner or a chimney sweeper. It is an easy way to annoy your friends while letting out your mischievous side.



## ENGINEERING STORES

Skule™ can be a very scary place if you are not equipped with the right stuff, including machine guns, flash grenades, and a shot glass (all courtesy of Edna Mode). But lucky for you, Stores not only provides a wide range of weapons, but also textbooks, stationery, leather jackets, coveralls and Skule™ stuff... everything you need to face the perils of your adventurous first-year.

Engineering Stores is a non-profit, student-run business. Therefore we guarantee you: \*Engineering Stores sells the CHEAPEST FIRST-YEAR TEXTBOOKS on campus!!!\* Serving students since 1891, our motto says it all: "RUN BY THE STUDENTS, FOR THE STUDENTS".

We are located in the basement of Sandford Fleming (SF), next to the Engineering Society Office, and open on weekdays between 11 and 3. We also have extended hours of operation at the beginning of each semester while selling you your textbooks. Store employees are students just like you (except not silly F!rosh), who are taking their turn giving back to the Skule™ community. You are welcome to stop by anytime and just chat with us! We'll help see you through your first year so you don't hit too many potholes along the way – though remember to buckle your seatbelt!

Stores offers many products and services, including:

- ◆ Textbooks,
- ◆ T-shirts, Polos, Hoodies,
- ◆ Coveralls and Leather jackets
- ◆ Lab notebooks, pens, pencils, highlighters, official faculty writing pads and report covers,
- ◆ drafting tools, stickers, Skulebooks, coffee mugs, shot glasses, patches, tickets to Skule™ events,
- ◆ and much much more!

Keep an eye on our display case, check out our website and feel free to drop by and check out the new and exciting products coming to Stores throughout this coming year!

We are so excited to meet you and can't wait to welcome you to Skule™'s tight-knit community! If you have any questions, don't hesitate to send an email to [stores@skule.ca](mailto:stores@skule.ca) and get on to your computer right now to check out our website: [www.stores.skule.ca](http://www.stores.skule.ca)

**Matthew Lee, EngSci 1T5**  
**Operations Manager 1T3-1T4**

**Mehran Hydary, ECE 1T4 + PEY**  
**Finance Manager 1T3-1T4**







## SUDS

Hey, welcome to SUDS. Every Friday night, the Sandford Fleming atrium auto-magically transforms into the kickass, 100% student-operated, all-ages undergrad engineering pub known as SUDS. Come out to unwind over BEvERages and pizza. Keep an eye out for special guests and special events, ranging from Mexican Fiestas to wicked club nights to midwinter toga parties. There's even rumours of nights so fly every other school comes down to party.

You know what's better than SUDS every Friday night? SUDS every day! We're open for all of F!rosh Week and Godiva Week, so swing by to see what's happening. There'll be Cannon blasts, Bnad crashin' and even maybe a visit or two from nobody.

There's a couple of rules to keep in mind to keep the BEvERages flowing and the managers happy:

- ◆ Obey gravity.
- ◆ R.E.S.P.E.C.T. Find out what it means to me (sing it Aretha!).
- ◆ People of all ages are welcome at SUDS.
- ◆ No outside alcohol comes in. No inside alcohol goes out.
- ◆ To drink alcohol you need a wristband.
- ◆ To get a wristband you need to prove you're 19. Iron rings, credit cards and T-cards don't count. Seriously.
- ◆ No sex in the women's bathroom.
- ◆ No pyrotechnics.

Want to work at SUDS? Are you 18? Come say "Hi" to either of the managers (they're the attractive ones), or email [suds@skule.ca](mailto:suds@skule.ca) to get server trained. Hang out, make friends, get involved. Serving is a great way to build on your Skule™ experience!

Hate the music? Want more dubstep? No dubstep? Country? Come up to the front and make a request.

See you at F!rosh Week!

**Pearl Barrett, Min 1T5**  
**Operations Manager 1T3 – 1T4**

**Soph Wolf, ECE 1T5**  
**Finance Manager 1T3 – 1T4**



## HARD HAT CAFÉ



Where can you find glow-in-the-dark hardhats, fairy dusted muffins and a gifted culinary rat? Not the Hard Hat Café. What you can find is a wide range of cheap food options. We are the go-to place for you hungry pit monsters. We are located in the very heart of Engineering Society, the atrium of the Sanford Fleming building (that's the basement).

At the Hard Hat Café you can expect to find an assortment of snacks and quick meals. Come in and check out our daily specials, perfect for those weekdays that end with "day". We provide filling food without breaking your coin purse (because Engineers are too loaded for wallets). The Hard Hat Café sells everything from pizza to Subway sandwiches to cookies and brownies to satisfy your cravings. We serve coffee, tea and energy drinks to salvage you from full zombie mode after those agonizing all-nighters. You can also find numerous types of drinks and Vita beverages to quench your thirst and restore your voice after F!rosh week (aka the Scream Extractor). Lastly, if you happen to be chillin' in the pit, simply drop in and visit us or leave your feedback. We're here to chat, when it gets lonely and exams are hard...

This year we hope to bring in more exciting additions to the awesome Café, which is why your input will be so important to us! Make sure to like our Facebook page- Hard Hat Café- to keep updated with new events and sales. Leave comments or contact us to have your favourites brought into the Café. See you soon (silly!) F!rosh!

Lots of Love and FOOD,

**Ena Verma, Mech 1T6**  
**Operations Manager 1T3-1T4**

**Lillian Zhang, Mech 1T6**  
**Finance Manager 1T3-1T4**



## SKULE™ KUP & SGT

### Skule™ Kup



Hey F!roshies!

Skule™ Kup is a year-long interdisciplinary competition to crown one discipline as the best of the best. Through friendly competition, Skule™ Kup aims to create a dynamic social environment where students get to meet others from their own discipline and competing disciplines, as well as providing a much needed study break. A series of unconventional contests will test each discipline's creativity, problem-solving, teamwork, endurance, and skill; points are awarded for participation and standing in the contests. The competition culminates with the presentation of the Kup, a trophy, to the top discipline. Over the course of the

year, your discipline's mettle will be tested, so I hope to see you F!roshies out this year winning valuable points for your disciplines.

Skule™ Kup will need some F!rosh on our team for next year, so be sure to find us on Facebook or Twitter to keep updated on events and applications. Stay Active!

**Nicholas Chin, ECE 1T6**  
**Skule™ Kup Director 1T3 – 1T4**

### Skule's Got Talent



Welcome, 1T7s. You will soon begin your foray into the (not so) mysterious world of engineering. Every one of you obviously has brains and talents, especially since you've chosen to come to U of T Engineering. And these talents will be put to good use! During your four years here at Skule™, you will show-off your extraordinary talents in calculus, your astounding ability to stay awake three nights in a row to finish projects, your god-like gaming skills, your infinite capacity for procrastination, and your perplexing affinity to sleep anywhere, at any time. But what about during your time spent away from gruelling labs, assignments, and studying for quizzes, midterms, and exams?

Do you possess an amazing talent other than excelling at the above? Maybe you're a singer, a dancer, a dramatic reader or a magician. Maybe you just like watching others perform astounding talents and acts. Whichever you are, Skule's Got Talent is the place to be! Presented by Skule™ students for the Skule™ Community and starring you! Come and watch the talent show brought to you, with private auditions and a big public finale. Any and all talents welcome to come out and perform! This is one extraordinary show you don't want to miss!

Keep it real 1T7s and see you at the live show!  
**Skule's Got Talent Executive Team 1T3-1T4**

# SKULENITE

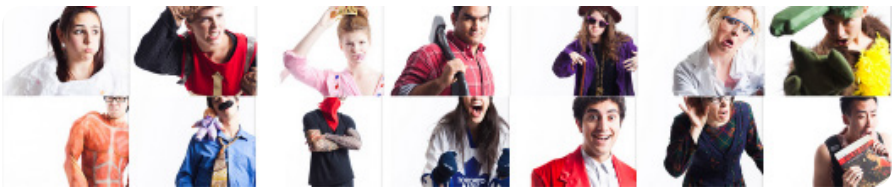
SKULE™



What is engineering about? Ask random people and they'll say "math", "uuhhhh", or "sir please stop asking me big philosophical questions". But believe it or not, engineers are also talented musicians and hilarious comedians. And U of T is home to one of the oldest musical and comedy shows known to engineer-kind: SkuleNite! Performed annually at the Hart House Theater, the whole show is put together by students, for students. I can honestly say, a highlight of my F!rosh year at U of T was going to see SkuleNite 0T9, a show that combined pretty much all my favorite things: The Fellowship of the Ring trying to get into a computer lab, joyous musical numbers that made me feel more hopeful about my first C- grade, and a 10 minute journey into the most extraordinary use of technology-as-magic I've ever experienced. I can promise you that this year will be just as good. And I can promise you that the view is even **BETTER** from backstage. So, whether you and your new-found friends are sitting in the velvety softness of the Hart House Theater chairs, or whether you're madly dashing about backstage as a new member of the SkuleNite crew, I hope that SkuleNite 1T4 is the **MOST DAMN INCREDIBLE EXPERIENCE OF YOUR YEAR.**

What's this? You want to know more? Well then head to our website [skulenite.skule.ca!!](http://skulenite.skule.ca!!)

**Navid Nourian, EngSci 1T2 + PEY**  
**SkuleNite 1T4 Director**



# SKULENITE





## BLUE & GOLD COMMITTEE

Welcome F!rosh of 1T7 to the wonderful organization known as Skule™! In the next 4 to 5... or more...years you will work hard and study hard, but hopefully have some fun too, and that last bit is where we come in! We are the Blue and Gold committee, and we are here to make sure that among all the studying and hard work there is a healthy amount of goofing off and entertainment!

At this point you may be wondering: "What could the Blue and Gold committee possibly do that is more fun than studying calculus for hours on end?" Well luckily we cleverly anticipated that question and are prepared to answer it! (If you weren't thinking that, just pretend you were) We are a social club that plans events throughout the year! Past events include bus trips to Oktoberfest, other (less awesome) schools, and small town bars. "But bussing takes me too far from my textbooks!" you might say, fortunately we run events here at Skule™ as well! These include movie nights, bowling, tobogganing, and the ever awesome F!rosh and Godiva weeks! During F!rosh week we host the all-important bed races as well as construct a float. After F!rosh week, at the beginning of the second semester, comes the amazing, stupendous, incredible GODIVA WEEK!! After all you F!rosh have become hardened veterans from a full semester of Engineering at Skule™ we welcome you back for another fun-filled semester with Godiva Week! This is the Engineering spirit week where the Blue and Gold committee hosts tons of awesome events ranging from talent shows to car smashes, with many BEvERages consumed in between.

But wait! There's more! In addition to all the awesome social stuff, we also have a bevy of power tools at our disposal which we use frequently throughout the year. Building things is a large portion of what the Blue and Gold committee is here for, and we provide assistance to other clubs and student organizations that require power tools for (hopefully) legitimate reasons. "But I don't know how to use power tools, so this doesn't help me!" some of you may be thinking. Don't worry, sad F!rosh, we can help with that as well! During first semester we host Tools 101 which is an event designed solely to teach F!rosh how to effectively wield power(tools). Even after Tools 101 you are free to come out anytime we are building things and if you need assistance there should be at least a few bitter upper years who can begrudgingly help!

"So how can I be a part of this?" is a question that I am sure many of you are thinking right now. Simply visit our website and join the mailing list at [blueandgold.skule.ca](http://blueandgold.skule.ca), email us at [blueandgold@skule.ca](mailto:blueandgold@skule.ca) or speak to one of the chairs to get involved with this amazing committee!

See you all at F!rosh week!

**Your Blue and Gold Committee Chairs 1T3-1T4**

**Gregory Cummings, ECE 1T4 and Ryan Mintz, ECE 1T4**



## UTEK & EAA

SKULE™



### University of Toronto Engineering Kompetition (UTEK)

Hi all of you aspiring engineers. University of Toronto Engineering Kompetition (UTEK) is U of T's flagship engineering competition and a prequel to provincial and national engineering competitions. UTEK has been a U of T tradition for more than 10 years and has been providing students a chance to prove themselves and get ahead of the curve. It offers a platform for the creative of mind to express their creativity out-loud. By taking part in UTEK you will get a chance to network with industry professionals and faculty members. From consulting to debates, there are six different categories that you can take part in. So get ready for a whole day of fun filled competitions and check out [utek.skule.ca](http://utek.skule.ca) for more details!



Kenny Wong, Chem 1T5 And Suhaib Ahmed, ECE 1T5  
UTEK Co-Directors 1T3-1T4



University of Toronto

## Engineering Athletics Association

### Engineering Athletics Association (EAA)

The Engineering Athletics Association organizes all the Skule™ intramural sports teams in the U of T community, faculty wide sports leagues and various sports tournaments. We have teams from Ice Hockey to Cricket, from Volleyball to Rugby and everything in between! Ever tried Lacrosse? Broomball? Softball? Innertube Waterpolo? How about co-ed sports? If you can walk, run, throw, jump, swim or skate or even if you can't do any of the above - we need you! There are some cool clubs where you can experience rock climbing, skiing, and much more! Check out our website at [eaa.skule.ca](http://eaa.skule.ca) to subscribe to the mailing list of the sports that you are interested in. If you have any questions, feel free to reach out to [president@eaa.skule.ca](mailto:president@eaa.skule.ca).



## DINNER DANCES

### S-Dance



If you want a cheap and awesomely fun night, and want to listen to S Club 7 nine times in one night, then this is the dance for you. This dance is hosted by the Engineering Athletic Association, but even if you did not play on any teams this dance should not be missed. Athletic awards are given out and there may or may not be certain engineering groups that show, this being the last dance of the year and all. Oh and did I mention you get to keep the glasses?!

### Gradball

Not only is this event for graduating engineering students, this year-end gala is open to all students in the faculty (yes, even you silly Flrosh!). With a classy venue, great food and music, Gradball is indeed a great way for graduates to celebrate their accomplishments and for undergraduates and friends to congratulate them on completing their bittersweet journey!

### Cannonball

How do you mark the best week of your life? With Cannonball, of course! Cannonball is an affair of state, an elegant semi-formal, and the cherry on top of Godiva Week. It is where you will find engineers of all disciplines and all years in their best tuxedos or dresses. It is so badass, it makes your high school prom cry. Previously hosted at venues like Palais Royale and Atlantis Pavilions, it brings you a colossal dose of glitz and glamour. Be ready to feast over a full course meal, move to the groovy Stage Band, dance with Mr. Blue & Gold and Godiva's Crown to some great beats, and sing Godiva's Hymn to the top of your lungs with the Lady Godiva Memorial Bnad. And in all, be ready for our mascot, the Mighty Cannon. So, what are you waiting for? Tickets go on sale near the end of first semester. Of course at a discounted price for you, silly Flrosh! Limited offer, so hurry! Cannonball 1T4. Best night of your life. See you there!

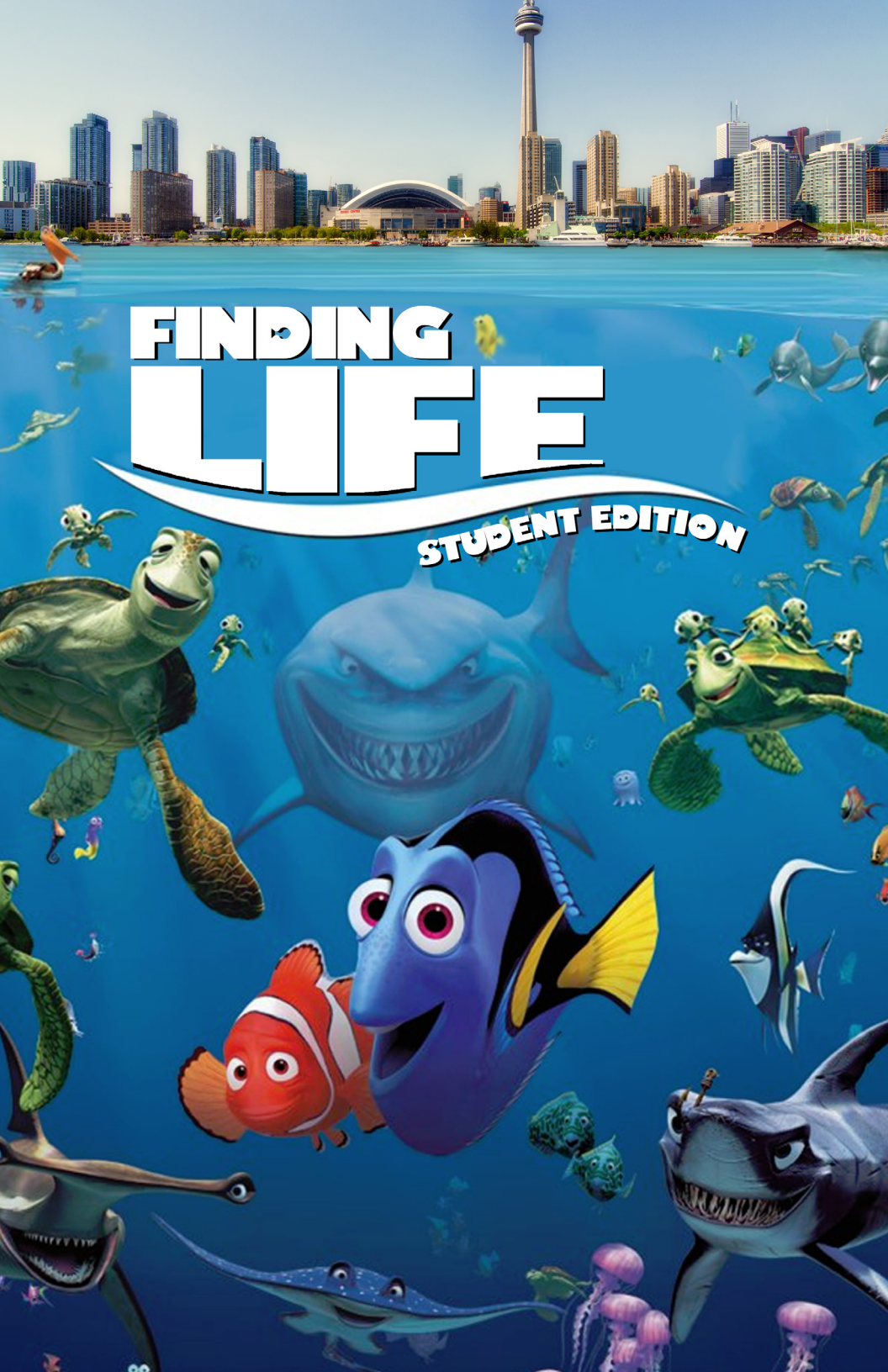


### Discipline Dinner Dances

These are the dinner dances hosted by the discipline clubs. They occur at different times throughout the year. Discipline dinner dances are a great way to meet new people and if you're the minnow who wants to explore the whole ocean, you should definitely try attending all the dinner dances (also to gloat about your own dinner dance to others)! The dances are semiformal events and at times may also have a theme associated with it! So throw away your books, and assignments in a corner and suit up for an amazing night!







# FINDING LIFE

STUDENT EDITION





## REZ LIFE

For many of you that are living on rez, this will be your first time living away from home. But don't worry, because there are loads of bonuses that come with living so close to school!

### Socialize

Living in rez gives you the opportunity to meet with people from all over the city, country and world. Take advantage of this experience and widen your social circle! All you need to do is smile and introduce yourself!

### The Best Location

Residences are located in the heart of downtown Toronto and are close to classes and libraries. They're several minutes away from the Engineering complex, popular restaurants, and the many athletic facilities U of T has to offer.

### Involvement

Participation in Skule™ events is not dictated by the bus schedule since living on rez gives you the chance to participate in all sorts of on-campus activities and clubs without worrying about how you're going to get home.

### Support and Connections

There is always somebody close by that you can study (\*cough\* cram) or socialize (\*cough\* party) with, since most of the people on rez are usually very friendly beings.

### Convenience

All residences come complete with meal plans (with the exception of Innis), complimentary internet, and laundry facilities. It's like living at home - but better!

### Fun

There are many activities that residences usually organize that give you the opportunity to socialize and interact with tons of different people. Activities are also planned according to floors so that you can befriend people living on the same floor level.

### Safety and Security

All residences have 24 hour porters and/or security cameras for safety purposes.

### Higher Academic Success

Increased levels of social and extra-curricular involvement have been shown to increase student success rates.

### Leadership Opportunities

There are an abundant of leadership opportunities while in rez. Students can participate in the Student Residence Council, become a member of the Residence Life Team and act as representatives on a number of committees. You'll hear more about this once the year starts!

### Independence (aka 'Oh-my-gosh-so-much-freedom'.)

Even though this means that home-cooked meals are now an oddity, having clean clothes are rare, and that eating off the floor is now questionable, nothing beats the experience you get from living on rez. Midnight McDonalds run? I'm lovin' it! Downtown stroll at odd hours of the night? Heck ya! All nighter at Robarts? OH YE-maybe. Just make sure to balance all the crazy with your studies or you'll pay for it at the end of the year. You're going to have to be your own nagging voice/disciplinarian (boo).

## Checklist

As easy as it seems to simply move everything in your room to your residence, packing and moving all that stuff will be an unnecessary pain. Here is a list of items that might help you pack lightly, but provide you with enough stuff to last you the year.

- ◆ **Laundry Basket and Detergent** - You gotta smell fresh all year round to attract that cutie you got your eye on.
- ◆ **Bedding and Linens** - These will not be provided by the rez and even though some residences provide pillows, you will probably want to bring your own.
- ◆ **Clothes Hangers** - You will only get a couple of these, so bring a couple too.
- ◆ **Computer** - A laptop is recommended as it is more convenient to bring with you, and will come in handy during ESP tutorials and study sessions outside of your dorm. You may also want to bring a printer for emergency printing, but all engineering students are given a printing quota of around 900 pages per semester at the ECF labs.
- ◆ **Flip-Flops** - Who knows what's growing on the floor of the dormitory showers. You want to keep those little piggies of yours protected.
- ◆ **Desk Lamp** - The provided lighting at your residence may not be the best lighting for reading and studying.
- ◆ **Bathroom/Shower Supplies** - See 'Laundry Basket and Detergent'. Also, staying clean will help to keep you germ-free during the flu and exam season.
- ◆ **Alarm Clocks** - You might need more than one alarm clock for early morning exams. (Pro Tip: try to set your alarm clock further than an arm's distance away so that you need to physically get up to shut it off.)
- ◆ **Posters** - Nothing like a blank wall to help with your daydreams while you should be studying. It'll also help to make your dorm room friendlier and feel more like home.
- ◆ **Medicine/First aid kit** - Where else would you get a band-aid for a papercut at 3 am?
- ◆ **Mini Fridge** - Recommended for late night snacks and BEVERages.
- ◆ **Stuff for hobbies** - Schoolwork is important, but your hobbies will keep you sane! Bring your favourite basketball or a Rubik's cube, so that you have something to give you a break from all your studying.
- ◆ **Equipment** - Items like a water filter, plates, bowls, forks and spoons will be a lifesaver. Basic toiletries and a laundry basket are a must. Also, remember that it will cost an additional \$2 to dry and wash your clothes (not part of your residence fees!).

## Tips

**Eating and Cooking** - You most likely paid for a meal plan, so you should use it! If you need a change from your rez food or from the food in the Hardhat Cafe, you are only a short walk away from the various eateries nearby. If you're looking to cook your own food, you can cook in the common room or in a friend's apartment!

**Cleaning** - Try to keep your room neat and tidy for the year; it'll sure save you some time and nerves. You don't want to be digging through your pile of clothes outside your closet for some clean ones. You also don't want to mix up the work to hand in with your rough work. For both your sanity, and the sanity of your roommate, always have clean underwear on hand. Did you spill something or need a mop? Your residence will have one that you can borrow.

**Studying** - There are always some places in your rez that will be better study locations than others. Some locations will be noisier and filled with more people, and some will be quieter with only a few people studying. Find where you work best in, and find it early!



## REZ LIFE

So where will you be staying as a rez kid? That depends on what you were offered, but below is a list of a few of the residences that many engineers stay in.

### Chestnut



Chestnut Residence is located in the heart of downtown Toronto and houses around 1000 students, many of whom are engineers! With a hotel-style building, it features large rooms, private bathrooms, a weekly cleaning service, super-fast elevators, and one of the best dining halls on campus. It's about a 15 minute walk to campus, but the daily exercise is a great way to prevent the dreaded Freshman 15! If

you can't make it back for lunch, remember that you can get delicious bagged meals! New College is also open to those with the 330 and 15 Chestnut meal plans; giving you flexibility in your planning. Study spaces are located in the lobby, and the 27th floor lounge is always a popular location for group study. Just steps away from the Eaton Centre and Nathan Phillips Square (with an outdoor skating rink in the winter). Plenty to do!

### New College



Sorry to break it to you kids, but New College isn't really that new anymore (51 years young, baby!). The rez is composed of three buildings: Wetmore, Wilson and 45 Willcocks (which is actually somewhat new at ten years old). New is an awesome place to live: close to classes, across the street from the Athletic Centre, and host to an all-you-can-eat cafeteria. Lots of the Kinesiology kids and first year varsity athletes live here too. They are fairly easy to identify; always running/jumping/throwing/yelling/butt dancing/not studying and constantly eating. Get through the "Awkward Fest" (a real event hosted by New College during Frosh Week), and within days, you will have new (College) BFFs.

### Innis



Your friends will be jealous of your apartment-style residence. Innis is a 10-minute walk to the engineering campus, and a super-competitive choice for engineers. Living with up to four roommates, you'll share the invaluable experiences of cooking and cleaning (Yay!) together. Innis has everything you could ever wish for in a building: single rooms, two plasma TVs, a games room equipped with table tennis and pool

tables, a music room, a decent gym, the 'Fishbowl' lounge (no Nemo here—sorry to disappoint you), 24-hour study rooms on every floor, and an Events Room. The community here is great—you'll practically feel like an Innis College student. We highly recommend hosting a Suite Event, attending House Olympics, and participating in the Innis College events!

### University College



The closest residences to the Engineering Classes are located at University College (UC). There are 3 different residences at UC: Morrison Hall, Sir Daniel Wilson, and Whitney Hall. Morrison is a small apartment building with 14 floors and only single rooms. Sir Dan's and Whitney Hall have both single and double rooms. A meal plan is mandatory for all residents, which is as much of a burden as it is a convenience.

Each of the three residences have different accommodations, including common rooms, kitchens, games rooms and music rooms. Since these residences are a mere 2 minute walk from Skule™, they're a good choice for the lazybones.

## COMMUTER LIFE

Commuting, I mean, how hard can it be?! Well, if you have no access to Google Maps, it could be quite difficult – unless you've got the bus timetables memorized. Which is probably a waste of brain capacity...but whatever floats your boat!

Google Maps is your tool to timing your commute to and from university. Just select the Bus icon under directions, select where you want to go, and BOOM, Google gives you your best options.

If you live outside the TTC boundaries, I'm afraid those 4am parties (not that you'll have much time for them anyway), are over. As many commuters use GO Transit, the last bus/train from Union Station usually leaves at 2am. If you're leaving from campus to Union Station, ALWAYS leave at least 20 minutes before the bus/train departs. You might complain that 20 minutes is too much, but between you and Union Station, there is the TTC. As we know (and you will come to understand), the TTC's mottoes are "Expect the unexpected," and, "We apologize for the inconvenience," so if you do not want to sleep over at Union Station, leave 20 minutes before your bus/train departs.

For those of you that DO want to stay past 2am on campus, we suggest that you make some residence friends. As engineers, this may be no small feat, but they will definitely come in handy. Warning: To prevent any suspicion of using this residence friend solely for his/her residence-y privileges, make more than one residence friend.

If you are a residence student reading this, you might want to keep your "I-was-late-because-the-elevator-was-slow," stories to yourself, since you'll get little sympathy from us. This may sound crazy, but by the end of term, you will find that commuting students often have a better attendance record for 9AM lectures compared to their residence sloth counterparts.

Finally, some "useful" tips for commuters. One: learn how to sleep while sitting; two: learn how to sleep while standing; three: develop those time management skills of yours; it'll be one of the only things keeping you sane. But in all seriousness, here's some solid advice for you:

**Get involved** – It might seem hard being a commuter, but it'll make your life at Skule™ that much more enjoyable.

**Pack snacks** – Pack a good and healthy lunch and snacks for between classes. You might also need to pack dinner on some days. Try to keep some spare cash for emergencies!

**Sleep during the commute** – Use the first few weeks of school to train yourself to sleep on the bus/subway and wake up right at your stop. It'll take a couple of tries, but learning to do this right will give you those extra boosts of energy in the morning and in the evening, giving you some more time to do those problem sets.

**Avoid rush hour** – Taking twice the time necessary to go home is a waste of time. You're better off staying late on campus, studying in the library than travelling home during people-packed hours. It'll be hard to do any work on the ride home and by the time you get home, you'll be ready to say "Night night".

**Rent a Locker** – A lifesaver for extra clothes, food, or textbooks, it'll definitely come in handy throughout the year. You can rent one at [lockers.skule.ca](http://lockers.skule.ca) for \$30 to \$100 depending on size and location.





## COMMUTER LIFE

### Mississauga

Located at the east end of the campus, Mississauga is one of the suburbs of Toronto.

There are a few methods to get you to downtown Toronto:

1. Via Subway (and Mississauga transit) - Most common and least comfortable
  - a) From Square One, bus to Islington Subway Station, subway to St. George Station and travel southbound to Queen's Park Station
2. Via GO bus and Subway (and Mississauga transit) - Comfy but more expensive
  - a) Bus to Erindale GO station or Streetsville GO station or from Square One. This takes you to Union Station, and then take the subway Northbound to Queen's Park.
3. Via UTM shuttle bus (& Mississauga transit) - A similar but more reliable GO bus
  - a) Go to UTM (University of Toronto- Mississauga Campus) , then behind the Instructional Building, are the Shuttle buses located.
  - b) A general ride will cost you \$6 for a ride ticket, or you can purchase a Semester Pass for \$500 (\$1000 for the whole study year).
  - c) From UTM, the drop-off is at Hart House, which is no more than 10 minutes away from the engineering buildings.
    - i. The bus can take a minimum of 35 minutes and up to 2 hours during rush hour and bad weather
    - ii. Also, there is no food allowed on the bus, but naps are!

### North York

If you commute from the left part of Yonge-University-Spadina (YUS) subway line (e.g. Downsview, Wilson, Yorkdale, etc.), the route is pretty straightforward. Take the subway southbound and get off at Queen's Park Station. Easy, right?

However, if you commute from the right part of the YUS line (e.g. Finch, North York Centre, Yonge-Sheppard), the route can get a little bit trickier. You have three possible options: (1) Ride the subway all the way to Queen's Park station via Union Station, (2) Ride the subway to Bloor-Yonge Station, transfer onto the Bloor-Danforth Line westbound, get off at St George Station, transfer on YUS line southbound and get off at Queen's Park Station, and (3) Get off at College Station, go outside the station and get on #506 Streetcar westbound. Get off at McCaul Street or St. George Street, depending on where your class is.

Note that if you choose route #3, the streetcar is located outside the station. So grab a transfer ticket from the transfer machine when you get into the station of your departure before entering the subway. Show it to the driver so you don't have to pay more fare (If you have a Metropass, just simply show it to him/her).

### Scarborough

Have you ever depended on something that was infamously known for its unreliability? If you're a commuter from Scarborough, that's going to be you and the TTC. What's worse is that sometimes the only thing stopping you from getting your expensive education, is that bus that came ten minutes earlier than it was supposed to, or the person that decided to press the subway Passenger Safety Alarm just for kicks.

Scarbs is the beloved district of many U of T engineers-to-be, but be aware of the various pre-conceived notions that Scarborough is a sketchy part of the city. Even though you know Scarborough is as harmless as the inking baby squid in Finding Nemo, the gangstah (or as gangstah as an engineer can be) reputation you get just for living in Scarborough is almost worth all the

## COMMUTER LIFE

heat you take. Almost.

But all giggles aside, it's usually best to leave home 5-10 minutes early, just in case something does happen. Since Scarborough residents are often the first people on the Bloor-Danforth subway line (the green line on the map that runs east-west), the earlier your commute starts, the better chance of getting a seat on the subway. The subway should be taken all the way down to St. George Station, and from there, you have two options: (1) Walk from the station to campus (5-10 minutes) or (2) Take the southbound train on the Yonge-University-Spadina line to Queens Park Station (5-10 minutes).

For the evening commute home, instead of cramming into packed subway cars and buses during rush hour, you may opt to join a club or two, chill in the pit, or even head to the library to study! There are always better methods of optimizing your time, rather than taking twice the time necessary to head home. You should also learn of alternate routes to get to where you want. If Queen's Park Station is experiencing construction, head to St. George Station. If all subways are stopping at Sherbourne, figure out which buses, and which transfers will get you home. The TTC app on your phone will be your best friend.

The commute might not sound like a walk in the park, but the chances of getting lost on the subway is decreased with only three available subway lines (plus the RT). Most importantly, heading home to a hot and deliciously cooked family meal is worth the trouble.

## Transportation Services

You can find out more information about routes, timings, and fares at the following websites:

**TTC ([www.ttc.ca](http://www.ttc.ca))** - The TTC is probably one of the cheapest and most frequented transportation services available. It can be used to travel within the city limits and in some cases, even beyond that. But beware of the rush hours during the day and the frequent delays. A post-secondary monthly pass will cost you \$106/month plus the one-time cost of obtaining the post-secondary ID card for \$5.25.

**GO Transit ([www.gotransit.com](http://www.gotransit.com))** - Faster, more reliable, and much more comfortable than the TTC, taking the GO Transit makes for a better commute. However, there are limited routes and will probably cost you more than if you took the TTC. Look into obtaining a PRESTO Card ([www.presto.com](http://www.presto.com)) for some savings.

**U of T Shuttle Bus ([www.utm.utoronto.ca/shuttle/](http://www.utm.utoronto.ca/shuttle/))** - Students that live close to U of T's Mississauga campus are in luck because there's a shuttle bus that can take them from campus to campus. The cost is \$6/ride or \$500/semester pass.

**Google Maps ([maps.google.ca](http://maps.google.ca))** - Google Maps has Toronto transit schedules built into its system. It's a very handy and easy way to plan your route from home to school.





## INTERNATIONAL STUDENTS

You know that little girl in Finding Nemo that likes to tap on the aquarium glass and screams “FISHIES!”? You’re the new fish in the tank, and everybody else is Darla (the “curious” little girl). Everyone’s a bit curious about who you are, where you came from, and maybe not as sensitive to the fact that Toronto is a new city to you. But don’t worry, the F!rosh Handbook is here to help you find your footing in your new home! Here are a couple of tips to help you get used to Toronto life a little more quickly and easily.

### Explore anywhere and everywhere

Toronto is a fast-paced, multicultural city with much to offer to both long-time and new residents. If you get the opportunity to arrive earlier to the city, take the chance! All you need to explore downtown is curiosity and a sense of adventure! (Some water wouldn’t hurt either.) There are also a number of downtown attractions that are a must-see, and we definitely recommend taking the time visit them. But if the busy downtown streets seem like too daunting a place to begin your adventures, start with something a closer to home, like the beautiful U of T campus. Campus is full of beautiful buildings and landscapes that are waiting for you to explore and discover.

### Making as many friends as you want

Making friends in Toronto will help you get comfortable to the city that much easier. New friends from the same town can reminisce with you about your old home together and this will help with the homesickness. Native Torontonians can show you the ins and outs of Toronto, the secret restaurants, the cozy study cafés and more, giving you the opportunity to see just how much Toronto has to offer. Other international students can expose you to new cultures, different languages and a maybe a different style. All of the people you meet will definitely help to enhance your engineering experience at U of T. Remember, all you need to say is “Hey!”.

### Don’t be afraid to travel a little bit

Toronto may seem like a really big city, but the TTC subway, buses and streetcars provide a simple way to travel within the city. With only a short commute, you can find yourself transported to Italy in Little Italy, India in Little India, not to mention some other cool places to visit, like Chinatown, the Danforth (Greektown), Korea Town, Cabbagetown and more. You’re sure to find something new in Toronto!

### Be prepared for Toronto’s ever-changing weather conditions

As you’ll grow to learn, Toronto’s weather is as unpredictable as the TTC - not to mention that Toronto’s winters have also been sudden, cold and harsh. Some of you may have never even seen snow before, but that fact won’t stay true for long. It starts to get chilly in early November, so bring a couple of sweaters and jackets to keep you warm, and also a pair of boots to keep your feet nice and toasty all day in class. Don’t forget a warm hat or a Canadian toque to keep that engineering noggin of yours protected.

### Try something new

Whether it’s new foods or drinks, sports or dances, don’t be afraid to try something new! Absorb all that Toronto has to offer while you can. It won’t be long before the school year ends and you find yourself on the plane, train, or automobile to head back home. Don’t regret not trying that rice dish from Lin Garden, or not dancing at the dinner dance with that person you had your eye on all year.

### Skule™ Events, Councils, Clubs, and Sports

Skule™ offers an abundance of events throughout the year and what better way to immerse yourself into your university for the next 4-5 years by joining a club or two. You’re sure to meet tons of new people and have enough Skule™ spirit to get you through the late night studying (\*cough cough\*, cramming) sessions throughout the year!

# LIFE ON THE FAST TRAIN

To all you non-rez students, crashing on campus is NOT A THING. You may think it is, but it really isn't. No engineer has to crash on campus because, let's be honest, no engineer sleeps. Now that we have that covered, let's say you needed to "stay on campus" for extended periods of time. What then? Don't fear, my commuting friends, I am here to prepare you for this treacherous journey. I impart on you my limited wisdom of all that I know on this topic and together we will come to see another day... after that extended stay on campus.

## Do bring:

**Toothbrush... or at least gum** - almost nothing feels (smells) worse than day old mouth.

**Phone charger** - duh

**Deodorant** - NOTHING feels (smells) worse than day old pits.

**Sweater** - excellent make shift blanky for those chilly nights.

## Do go to:

**Friends residence** - The holy grail of on campus crashdom.

### Common rooms

♦ CIV common room - the unofficial title holder of "comfiest couches"

♦ MSE common room - prime location for Chems (sorry Chems, your common room closes at 10... so sad L)

♦ MIE common room- spacious, large TV, gaming system- need I say more?

**GB Basement** - Men's staff washroom has a shower!

### Your House

## Do expect:

**To be moderately uncomfortable**

**Midnight Chinese food** - Canton Chili; food=yes, sleeping=no. Remember?

**To rely on your guile and killer instinct for survival**

\*unless of course you have a musical commitment

\*\* unless of course you minor in butchery

\*\*\* unless of course you recreationally engage in feudal warfare

\*\*\*\* unless of course he helps you sleep at night

## Don't bring:

**Pillow/sleeping apparatus** - its not a damn sleepover.

**Floss** - as if you were going to anyways

**Tuba \***

**Livestock \*\***

**Samurai gauntlets \*\*\***

**Teddy Bear \*\*\*\***

## Don't go to:

**The Pit** - it's a cold dirty hard basement

**Front campus** - its a cold dirty hard field

**The math aid office** - the most welcoming place on campus...

**Public bathrooms** - #gonorrhea

**Chinatown** - As often as you might enjoy late night dining at Canton Chili you can't sleep there.

## Don't expect:

**A shower** - oh cleanliness...

**Fresh Figs**

**An Egyptian cotton duvet**





## FRESHMAN 15

Freshman 15 is a term that describes the phenomenon of gaining approximately 15 pounds of unhealthy weight during the first year of university (think of Heimlich in A Bug's Life). These additional pounds are caused by a lack of exercise and the constant intake of unhealthy campus food.

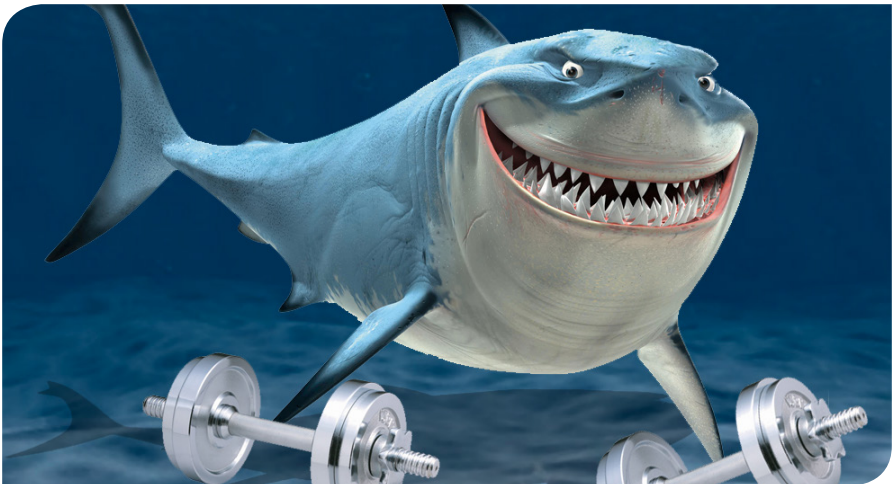
Does the image of a supersized-you scare you as much as it scares me? Don't worry little froshies, just relax and let us help you. Some of the things you can do are the opposite of what those artsies do: sleep the day away, disregard their homework responsibilities, skip lectures, and eat loads of junk food. Instead, you, the smart engineer who wants to remain the image of health, should be studying, attending lectures and eating healthy. However, doing those alone will not be able to maintain that healthy figure of yours.

What you need to do next is hit the gym, go for a walk, or take a break to dance to your favourite song. While some of these do not seem practical when you have civ problem sets due every week and so much studying to do, the results are worth the schedule-rearranging. Perhaps you can switch up staying in and playing video games with some fun and fresh air! The options are endless; maybe you want to play a game of frisbee in Queen's Park or volunteer as a dog walker with the Humane Society! Being active can lift your spirits and give you the energy needed to perform well on your exams.

Here are some seemingly obvious tips that we usually choose to disregard.

- ◆ Try not to dine at the food trucks too often since most of their food is deepfried or slathered in oil. Remember that Ken Ho and Mr. McDonald are not your friends!
- ◆ As good as it may be, try to avoid too many BEVERages as this not only affects your mind but body too.
- ◆ For those living on res (and probably those living at home too), your mom is right; eat your veggies! Greens are good for you and will give you all their amazing vitamins for boosts of energy and intelligence to help you ace the year.

The Freshman 15 may seem unavoidable during exam periods, when all you're doing is eating, sleeping and studying. But with a little practice, proper time management, and motivation, you can maintain, or begin a healthy lifestyle and still be a cool engineer!



## ATHLETIC FACILITIES

### Athletic Centre (AC)



This unique building has its very own Olympic-sized pool, and its refreshing smell of chlorine and the echoing sound of a whistle will instantly make you want to join the various aquatic sports and just keep swimming, just keep swimming.... The AC also has three gyms and one 250m track available to UofT students to work out and have fun. All intramural and Varsity Blues (one of the many UofT varsity teams) games will take place in one of these locations. Moreover, there is a fully equipped Strength and Conditioning Centre on the first floor of the AC. Each week, the AC has a Drop-In Recreational schedule where students can meet other people with similar interests. Check out [www.athletics.utoronto.ca](http://www.athletics.utoronto.ca) for more information.

### Hart House



Hart House provides free sports utility access to all U of T students. There are three squash courts, one fitness room, one weight room, a 25 yard pool, Lower Gym and Upper Gym. The Lower Gym can be booked by any U of T students once a week free of charge – a couple intramural Skule™ Leagues play their sports games here. The Upper Gym has a 150m banked oval track, complete with stationary bikes and other fitness machines in the center of the track for exercise in the cold winter. There are also free Fitness Classes that are offered, so check out Hart House online for more information at [hart-house.ca/recreation](http://hart-house.ca/recreation).

### Varsity Centre



On Bloor and St. George lies one of the most noticeable sports facilities to the public of Toronto, the Varsity Centre. The 5000 seat stadium contains a 400m eight-lane artificial turf track and an Olympic sized rink. It brings crowds throughout the various sports seasons to witness U of T's varsity teams compete with other universities. Varsity Field is where most of the university's teams train and play, and the track is open to students whenever it isn't in use. For more information about the Varsity Centre, check out [physical.utoronto.ca/FacilitiesAndMemberships/Varsity\\_Centre.aspx](http://physical.utoronto.ca/FacilitiesAndMemberships/Varsity_Centre.aspx) for more information.



## DISCIPLINE CLUBS

### Chemical Engineering Club

Hey Chem 1T7s! Welcome to Chem Eng at UofT! We are your official discipline club, more informally known as "Chem Club". Chem Club organizes several exciting social events throughout the year that you should be looking forward to. Some of these spectacular events include: BBQs, Book Exchanges (free pizza served!), our annual Dinner and Dance, Charity Talent Show and so much more! We also have a robust athletics organizing community - this year we plan to have basketball, soccer, squash, tennis, table-tennis and cricket tournaments as well as a ski trip during February. We always look for honorary executive members for our council as well as volunteers for our events, so there are several opportunities to get involved and increase your extra-curricular participation. Also, keep your eye out for Class Rep elections in September to run and represent the CHEM 1T7s! If you have any questions, feel free to email us anytime at [chemclub@skule.ca](mailto:chemclub@skule.ca) or visit our website: [chemclub.skule.ca](http://chemclub.skule.ca). You can also drop by WB 238, the Chem Common Room for some support from other Chems. We look forward to welcoming you all this year!

### Civil Engineering Club

Hello to the class of CIV 1T7, welcome to Skule™! You are about to embark on the best 4 (possibly 5) years of your life, and Civ Club is here to accommodate the needs of civil engineering students both academically and socially. Civ Club does a range of activities and services for civ students, including the Civ Dinner Dance, locker rentals, selling Civ swag (sweaters, patches), textbook smokers (where you can buy second-hand textbooks from upper years and make valuable connections), working with professors from the Department of Civil Engineering to make your learning experience better, and even professional development events. Keep an ear open for our Civ mentorship program too! It's a fantastic way for you to get adjusted to the community quickly, and a great way to meet other civs! Your Civ Common Room is GB 123 with comfy couches and is home to various relocated street signs from around the province (we're always looking to expand out collection!). It's also where the Civ Club Office is, so make sure to come on down and say hi, because we're excited to you Civ 1T7s! You can also buy cheaper pop in the common room, unwind by playing some foosball, and use our microwave. Also, one of you will be joining the Civ Club Team as the Civ 1T7 class rep! Civ Club is always looking for as many friendly faces as we can to help us out with the other things that we're doing. We look forward to seeing you guys at the Frosh Week Discipline Club Event and on the first day of classes! Contact us at [civclub@skule.ca](mailto:civclub@skule.ca) for more information!

### Electrical and Computer Engineering

The Electrical and Computer Engineering (ECE) Club is a student-run organisation that acts in the interests of undergraduate ECE students. Some of our key responsibilities include hosting awesome events throughout the year for our ECE's, representing ECE students in faculty meetings, and maintaining the ECE Common Room. We strive to make your undergrad more enjoyable by hosting events such as our annual Dinner Dance, online and offline gaming events, and casual sports games. If you have any ideas for other events you'd like to see, we're open to suggestions! Make sure to check out the ECE Common Room in the basement of the Sandford Fleming (SF) building (SFB650). It has the cheapest pop on campus, a foosball table, and a TV that you can use to play Xbox games and watch unlimited movies and TV shows for free! When you're done exploring the common room, take a peek inside the ECE Study Hall in Bahen (BA1120), the ECE Design Centre in SF (SFB520), and the open ECE Computer Labs in SF, GB and BA (SF2204, SF2012, GB243, GB251, and BA3128). If you have any questions, concerns, suggestions or initiatives, feel free to drop by the ECE Club's office (SFB640), which is located right next to the ECE Common Room, or send us an e-mail at [ececlub@skule.ca](mailto:ececlub@skule.ca). We have an open door policy, and we always like to meet new ECE's!

## DISCIPLINE CLUBS

### Engineering Science

Congratulations and welcome to Engineering Science at U of T! We at the Engineering Science Club are here to help and guide you throughout your journey here, foster EngSci's legendary sense of community, and show that, yes, even EngScis can relax and have fun! Throughout the year, we will hold social and academic events like book smokers, the Dinner Dance, and the EngSci talent show. These events are super fun and are a great way to meet your fellow EngScis! And we have one of the biggest common rooms around: The EngSci Common Room. Located on the second floor of Bahen, this is your place to work, study, play, hang out, and relax; it's like a home away from home. It's also where the EngSci Club Office is located. Come drop by and say hi and have a chat with us! We want you to get involved with our club, and throughout the year there will be numerous ways to do so, such as volunteering with events, or running as a class representative! If you have any questions about our club, EngSci, Skule™, or life in general, send an email to [engsci@skule.ca](mailto:engsci@skule.ca). Again, welcome; we can't wait to see you all.

### Industrial Engineering

Indy Club is a student organization, committed to fill your time with exciting social events and unique academic and professional opportunities. Highly recommended for F!rosh is the "Meet Your Discipline Club" event during F!rosh Week, where you will get to meet your fellow Indys and your Indy Club Exec. Also during F!rosh Week, you will be given the opportunity to run for 1st Year Class Rep, an executive position on Indy Club. If this isn't for you, there are still a number of ways to be involved with Indy Club throughout the year, such as attending or volunteering with events, becoming a mentee, or running for a different executive position next year. If anytime throughout the year your spaceship runs out of gas, then stop by the MIE common room to fill your tanks by socializing or playing ping pong and PS3 with your fellow Indys.

If you are not an Indy and feel lost like Nemo, then don't worry because you still have time to join us and be part of the Industrial Engineering Student body. Cheers!

### Mechanical Engineering

Hello F!rosh! Welcome to Skule™! Coming to Engineering at U of T was the correct decision, and the next step is to make sure you get the most out of the experience while you're here. That's where Mech Club comes in. F!rosh week is going to be amazing but once that's over Mech Club always steps up and puts on the wildest events to keep the spirit up!

First off, the Mech Club Team is comprised of students from your discipline. Each year we hold events, but we also help bridge the gap between the Mechanical Engineering students (that's you) and the University. We listen to your concerns, voice them to the faculty, and make sure the changes you want are made. Mech Club isn't just about us; we want you to get involved as well! Come out and participate on Mech Club Intramural Sports Teams, take part in our Professional Development Series, or just stop by the Mech Club Office on the second floor of the Mining Building to grab some Mech Swag. And don't forget to check out the MIE Common Room! We'll be holding the first Book Smoker Event so that you can get your textbooks cheap, and the first (and wildest) Dinner Dance of the year. That's what we're known for and that's the way we're going to keep it. Once again, welcome to Skule™ and Git-R-Done!





## DISCIPLINE CLUBS

### Materials Engineering

Howdy MSE 1T7s! Welcome to your first year at Skule™! The MSE Club is here to represent the MSE student body and ultimately, to better your student experience! We run incredible events such as BBQs, textbook exchanges, games/movie nights, sports tournaments, our annual Dinner Dance, and many more! These events are also a great way to meet other MSE students and become part of our community because you've got a friend in m(s)e. You can head to the MSE common room located in the Wallberg Building, room WB143 to relax, play, eat, or study - we've got you covered! We have loads of amenities; comfy leather couches, a fridge, a microwave for your lunches, a Nintendo Wii, a ping pong table, a foosball table, and a ton of regular tables as well! The common room is also complete with upper years that are always willing to help with any of your homework or general questions. We come in peace! To find out more just contact [mse@skule.ca](mailto:mse@skule.ca) or look up MSE Club on Facebook for our group!

### Mineral Engineering

Froshies, welcome to the Mineral Engineering community! Congratulations on joining one of the most tight-knit disciplines in all of Skule™! The MIN Club is here to make the next four-five years of your Skule™ life, academically, socially, and professionally fulfilling. Mineral Engineering has one of the cosiest common rooms on campus, decked out with a flat screen TV with a Nintendo 64 and Xbox 360, nice and comfy couches, perfect for relaxing (\*cough\* sleeping), and a ginormous table for all your studying needs. MIN Club also hosts events all year round for you to get to know your fellow Mins and professors. Make sure to check your e-mail often for news on when the next event will be taking place. If you wanna meet some upper years, swing by the common room and say "Hey!". If you want to get involved, run for your 1st year class rep! Feel free to attend one of our MIN Club meetings if being class rep is not for you and you just want to help plan MIN Club events. You'll hear more about us later, but in the meantime, enjoy your F!rosh week!

### TrackOne Committee

Hey You! Look at me, now look down, now look back up! What do you see? You're in the indecisive world of TrackOne! WELCOME 1T7T1's! This year you will be faced with braving various different scares, the most major of which will be deciding if you're still hungry or not. But never fear, T1 Alumni are here to help you out as well; they are UBER AWESOME and Super Helpful! But let's talk about what you 1T7T1's can do to make this the best year possible. How about having a whole budget to yourself with no monsters (anyone older than you) (lulwutJk) to boss you around on how to spend it!? TrackOnes are considered to be a tight knit Skule™ of fish. They get involved in as many aspects of SKULE™ Life as possible to help them make a decision on the discipline they will choose at the end of first year! So, what's the TrackOne Committee and who's part of this committee? The TrackOne Committee is the main group in charge of planning events throughout the year and YOU are part of this committee you silly F!rosh! This year, we, the 1T6T1's planned and hosted our very own dinner dance - The Gr'8' Gats'BALL' held at Hart House's Great Hall (Get it? Get it? You will soon, don't worry!). This was in addition to Dodge ball, Ultimate Frisbee, Movie Nights, Movie Hangouts, TrackOne Secret Santa and guess what? We have our very own TrackOne Shirts and Patches! If you've got questions about life on the Track, shoot me an arrow with a message....or an email works too... to Tabish Gilani at [trackone@skule.ca](mailto:trackone@skule.ca) or [tabish.gilani@mail.utoronto.ca](mailto:tabish.gilani@mail.utoronto.ca)! Get involved and make it worthwhile!

# YOU'RE NEXT CAREER NETWORK

Welcome to Skule™, young engineer! You have dreams. You want to succeed. You want to continue to do what you love while tackling some of the world's toughest problems. You aspire to take the skills and tools that you will have learned and make the world a better place. Or you want to get rich or die trying (jkz). It is our mission at the You're Next Career Network to enable you to reach these goals and to prepare you for your bright careers which lie ahead. Think you're too young just because you're in first year? Bullocks. Dream big, dare to challenge yourself, learn and have a great time. You're Next will be with you along the way.

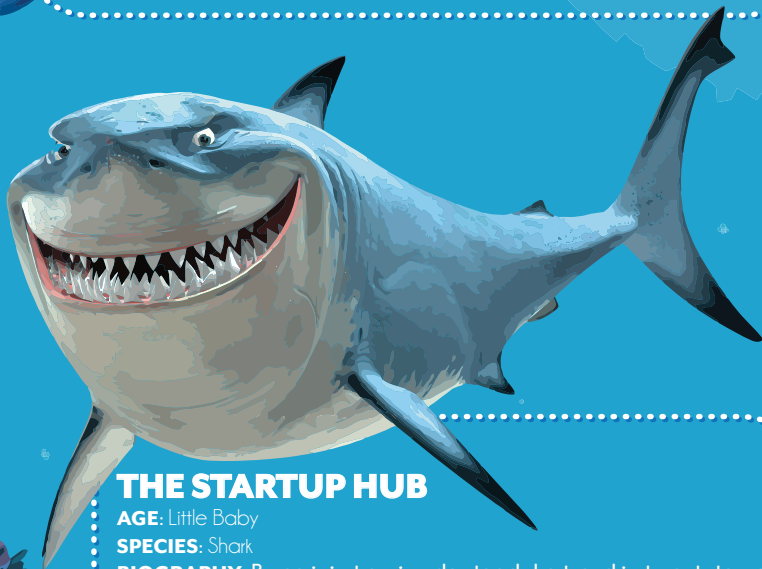
## LAUNCHPAD

**AGE:** 2

**SPECIES:** Regal Tang

**BIOGRAPHY:** Keep swimming along your journey of engineering and discover the many treasures along the way. Launchpad's your partner in crime and will help cheer you up in events that:

- Help you discover your passion
- Connect you to professional fishes
- Challenge you amongst skule™'s of fish in competitions or workshops



## THE STARTUP HUB

**AGE:** Little Baby

**SPECIES:** Shark

**BIOGRAPHY:** Bruce is just a misunderstood shark and just wants to meet more fish. Where is Bruce going to meet new fish without having them worry that he might eat them? Why, the Startup Hub of course! The Startup Hub helps sharks like Bruce meet other fish that normally wouldn't talk to Bruce. The Hub offers:

- A chance for fish (students) to meet & maybe work with sharks (startups)
- Networking opportunities with different misunderstood sharks
- A Startup Career Expo where over 50 different sharks will be attending and a chance for fish like you to meet them all at once and maybe get a chance to find a job

## YOUX The You're Next Experience

**Age:** Newborn

**Species:** The Cool New Kid

**BIOGRAPHY:** We also speak whale. Let us give you the opportunity to:

- Connect and play with big fish like Facebook, Apple, Bombardier, and Suncor and learn their ways through industry workshops, keynotes, and competitions.
- Experience your engineering passion in-depth.
- Gain mentorship and expand your network.
- Learn to be the top fish in the sea!



## CAREER FAIR

**AGE:** 5

**SPECIES:** Brown Pelican

**BIOGRAPHY:** Brush up your fins and bring your polished resumes to the Career Fair with a big-white-fish-smile. Either you're Finding Nemo or the ideal job, keep swimmin' and believing, we'll help you sea-k it!

Career fair is a tough old local initiative. By boarding, you are getting yourself into:

- The largest career fair in the Great Barrier Reef - Your ultimate chance of finding a job as a proud, fierce (and funny) engineer
- Meet 90+ major fish such as Microsoft, Amazon, SNC, Deloitte, TD Bank, and many more
- Our task is to help you find your Nemo! 2,800 students attended last year, many successfully landed jobs and moved on to Finding Dory! We'll see you at the shore!



**YN** **YOU'RE NEXT**  
**CN** career network

**EMAIL:** [contact@yourenext.ca](mailto:contact@yourenext.ca)

**FACEBOOK:** [UofTYoureNext](https://www.facebook.com/UofTYoureNext)

**TWITTER:** [@UofT\\_YoureNext](https://twitter.com/UofT_YoureNext)

## Skule™ Improv

Skule™ Improv is a new club that dedicates itself to the performance and training in improvisational comedy. We are planning on expanding the club a lot this year! From weekly workshops, to stage performances, and even competitions, we aim to be one of the most fun and dynamic clubs at U of T! We encourage students to learn about creating instant comedy as well as providing them with a stage to perform. We also give them a chance to explore an area that is not often found in engineering. Skule™ Improv focuses on creating a safe and non-judgemental environment to allow students to be as silly as they want, as derpy as they want, and as funny as they want. Come join a one-of-a-kind club in which you can express the things that can't be explained with math or physics! Be on the lookout for our events, join our Facebook page, or join our emailing list by emailing [skuleimprov@outlook.ca](mailto:skuleimprov@outlook.ca)! We hope to see you there!

## University of Toronto Music Club Initiative

The U of T Music Clubs Initiative is a student run club which caters to your musical talents! We know that music is a big part of college life and many of us are enthusiastic about performing live. We regroup musicians across the campuses of U of T, allowing members to meet each other during our auditions and concerts, and form bands between themselves based on their musical preference. You are free to play whatever style of music you like, from Pop to Heavy Metal! Once bands are formed, we will try to provide you with facilities that have access to practice spaces and equipment for your rehearsals. Everybody will receive basic training on the proper operation of equipment and on live performance. Concerts, coffee houses, and talent shows are organized around campus to give students the opportunity to perform. Stay tuned to the Skule™ Digest for more details!

## Skule™ Orchestra



Skule™ Orchestra, founded in 2006, is a student-run symphonic orchestra of roughly 50 string, wind, brass, and percussion instrumentalists. The orchestra is a place where students can have fun playing music ranging from Borodin to The Beatles, learning about music, and relaxing with friends

at weekly rehearsals. The orchestra's annual events include Pops, our season debut featuring well-known movie themes and other classics, Moment – The Valentine's Ball where guests dance to waltzes and foxtrots performed by the orchestra, and Symphonic Boom, our season finale featuring works such as Beethoven's Creatures of Prometheus Overture, Suk's Fairytale Suite, and Dvořák's 8th Symphony. If you play an instrument and are looking to keep up your musical passion, this club is for you. If your musical passion mostly involves listening to others, be sure to check out Skule™ Orchestra events and concerts, as well as the rest of Skule™ Music. For additional information, visit us online at [skulemusic.ca/orchestra](http://skulemusic.ca/orchestra).

## Tales of Harmonia



Tales of Harmonia is a mixed 30-voice auditioned student-run choir with a passion for music in all its forms, styles, and genres. We aspire to achieve harmony by being mindful of the concept of the balance in our voices, as well as themes and pieces we present; we aim

to attain a sense of equilibrium. We're a university-wide choir who revels in creating a musical environment that's all-inclusive, non-discriminatory, and at times geeky! You'll find that Tales of Harmonia is a choir that's as unique as its name.

Find Out More and Contact Us at:

Website – [talesofharmonia.sa.utoronto.ca](http://talesofharmonia.sa.utoronto.ca)

Email – [talesofharmonia@utoronto.ca](mailto:talesofharmonia@utoronto.ca)





## CLUBS

### U of T Ironsports

U of T Ironsports is a student powerlifting community that aims to help engineering students find their strength inside and outside the weight room. Powerlifting is an accessible sport that can be picked up by anyone of any age, body-type or athletic background. We accommodate the hectic engineering student schedule by having students train independently. The efforts of their hard work are showcased at our Classic 3-Lift Power lifting competitions - where students perform their heaviest one-repetition-max attempts at the squat, bench press, and deadlift. When we're not picking up heaving things and putting them down, we host post-workout meal contests, nutrition seminars, and social train & eat events. To join, visit [www.uoftironsports.ca](http://www.uoftironsports.ca) and sign up on our mailing list. Hope to see you in September :). Live Swole!

### Iron Dragons



The Iron Dragons is a dragon boat race team consisting of paddlers and coaches from the engineering department at U of T. The sport of dragon boating involves moving a 20 person boat down a patch of water as fast as you can. Since our inception in 1997, we have been known as the loudest and craziest team on the water.

Racing with two separate boats, Blue and Gold crews have been busy all summer long, practicing and attending race festivals. If you want a great way to stay in shape, then look no further. We begin our dry land training in January and finally hop on the boat starting in May. You'll also be able to meet lots of new people and have tons of fun, no paddling experience required! We begin tryouts early in first semester, so watch out for our posters. If you're interested, visit: [dragonboat.skule.ca](http://dragonboat.skule.ca) Or feel free to shoot us an email at: [dragonboat@skule.ca](mailto:dragonboat@skule.ca)

### University of Toronto Space Design Contest (UTSDC)



The University of Toronto Space Design Contest (UTSDC) is a high school design competition organized by undergraduate and graduate students. Our organizing committee aims to provide the opportunity to guide both current and prospective students, as well as providing them with a chance to develop professional relations. UTSDC has become an enthusiastic and diverse group with expertise in many fields of engineering and sciences. Every year, participants are asked

to propose solutions to current problems in the aerospace industry. Industry professionals and esteemed academia will be invited to take part of the design workshops, act as guest-speakers in seminars and design conferences, and inspire participants during the different design stages of the competition. Through organizing the contest, members engage in activities that boost their leadership and communication skills. Joining UTSDC will be a great opportunity for students to establish professional relationships with faculty members and engage with industry sponsors and governing agencies. Visit <http://utsdc.org> or contact us at [chair@utsdc.org](mailto:chair@utsdc.org) for more information on how to join!

### Formula SAE



Want to go fast? The University of Toronto FSAE Racing Team is a student-run club which designs, builds and races a Formula style race car every year. Students are responsible for not only design, construction and tuning but also for finance, sponsorship, media and logistics. This creates a true entrepreneurial learning experience for our members. Members also get to apply concepts

from the classroom to actual engineering problems. The University of Toronto FSAE Team has built its reputation as one of the top ranking Canadian teams during its 15 year history and competes on the international stage. Recruitment events begin in the first week of the Fall Semester so keep an eye out for us during Frosh Week. Contact us at [recruitment@fsaeutoronto.ca](mailto:recruitment@fsaeutoronto.ca) or drop by our shop in Haultain room 102. We look forward to seeing you in the coming year.

## Human Powered-Vehicles Design Team (HPVDT)

The Human Powered-Vehicles Design Team builds some of the most incredible vehicles out of all the design teams on campus. Each year we design and build fully faired speed bikes capable of reaching speeds over 100 km/h on human power alone! To race these vehicles we take them to the deserts of Nevada and race them on one of the flattest stretches of highway in the United States! We compete with teams from all over the world to see who can take the title of designing the fastest vehicle. Every member of the team gets to train and ride the vehicles, as we have opportunity to participate in races throughout the summer. The HPVDT offers engineering students hands-on experience that they will never find in their academic studies. We have members from nearly every engineering discipline! If you're interested in pushing your limits, come join the Human Powered-Vehicles Design Team.

## U of T Concrete Toboggan



The University of Toronto Concrete Toboggan Team (TBog) is recruiting and we want you! What's TBog you ask? It's Canada's oldest and biggest design competition, and it's hosted by a different school each year. This year's competition will be hosted by the University of Western Ontario so it's guaranteed to be an exciting week! The toboggan can be any shape and size you can imagine, with the one stipulation being that the running surfaces have to be made of concrete. In previous years TBogs have been clocked as fast as

88 km/h! Besides the racing, there's a spirit aspect to the competition which makes it incredibly friendly and insanely fun. If this all this sounds interesting to you, head on over to our website at [www.toboggan.skule.ca](http://www.toboggan.skule.ca) and fill out the registration form today. Feel free to email the captains at [captain@toboggan.skule.ca](mailto:captain@toboggan.skule.ca) if you have any questions about the competition, team, or TBog in general. All disciplines are welcome and encouraged to join!

## U of T Concrete Canoe



UNIVERSITY OF TORONTO  
CONCRETE CANOE

Forget everything you think you know about concrete, because we turn it all on its head! Concrete canoe is an undergraduate design club that creates a 20 foot long less-dense-than-water concrete racing canoe every year!

Concrete canoe is a great way to develop your leadership skills & technical know-how. It's also an excellent way to network with upper years and your fellow frosh. We have weekly meetings, all culminating in the Canadian National Concrete Canoe Competition, hosted this year by L'Université de Sherbrooke in Quebec. And if floating concrete doesn't get you pumped, then you can also join our paddling team. These intrepid individuals train all year to improve their fitness and paddling skills in preparation for concrete canoe races at the national level.

If this sounds intimidating, don't worry! No experience is required, the time commitment is as much as you want to put in, and we would be pleased to welcome you no matter your discipline or level of experience.

Check out our team site at: [www.canoe.skule.ca](http://www.canoe.skule.ca), or email us at: [ut.canoe@gmail.com](mailto:ut.canoe@gmail.com).



## CLUBS

### Sustainable Engineers Association (SEA)

The Sustainable Engineers Association (SEA) is a student group that aims to empower fellow students with knowledge and experience within the domain of sustainable development. Every year, SEA hosts numerous activities geared towards educating and engaging members of the U of T student body, including field trips, seminars, curriculum enrichment, and our annual SEA Conference. We also collaborate with other U of T sustainability organizations on campus-wide sustainability initiatives. Feel free to ask us questions at [info@sea.skule.ca](mailto:info@sea.skule.ca), or visit our website, [sustainable-engineers.org](http://sustainable-engineers.org), for more info!

### University of Toronto Robotics Association (UTRA)



The University of Toronto Robotics Association (UTRA) is composed of students from all areas of science and engineering who are committed to designing and building robots. UTRA was formed in 2002 and comprised of over 500 members. UTRA takes part in numerous projects, including Sumo Robots, Combat Robots, Autonomous Robot Racing, and 3D Printers. We also actively compete on an international level, and have been the most successful team with its combat robots at RoboGames every year. We won the bronze medals in 2008 and 2009, gold medals in 2010 and 2011, and another bronze medal last year in the 120-lbs weight class category!

Students get hands-on exposure with motors, sensors, soldering, programming, and mechanical assemblies. Students learn from their peers in different engineering disciplines, and junior students are encouraged to take part in the Sumo Robot Competition to learn the basics of robotics.

You can sign up on our mailing list at [www.utra.ca/subscribe](http://www.utra.ca/subscribe), visit our workshop at EA-106 (Engineering Annex Building), or contact us at [utra@utra.ca](mailto:utra@utra.ca).

### U of T Destination Imagination



In the 2011-2012 season, the University of Toronto Destination Imagination team competed in five core challenges at the Global Finals in Knoxville, Tennessee. These challenges included technical, scientific, theater arts, improvisational, and structural challenges. Not only was the team the first to attempt to compete in all five challenges in over a decade, they received a 6th place finish in the improvisational challenge as well as a silver medal in each of the other four. In addition to this incredible success, the team was given the most

prestigious special award at the Global Finals competition, The Spirit of Discovery and Imagination ("DI") Award, for their leadership, spirit and volunteerism.

The U of T Destination Imagination program strongly believes in supporting younger teams in the development of their skills and abilities. U of T has developed four training workshops to assist elementary and high school students in the Destination Imagination program. The 2012-2013 team is competing in four challenges at this year's Global Finals. You can see their results and contact us for more information at our website <http://destinationimagination.utoronto.ca>.

## U of T Developers (DEV)

U of T Developers is a project-oriented club that aims to develop mobile (Android and iOS) and web applications. Each member is directly involved with a project that includes designing and creating applications and/or websites. This will help build a group of knowledgeable students with strong background and experience in software development, teamwork and project management. U of T Developers' main target is to create an environment that can take on advanced app related projects while also establishing a favorable reputation for the club within this fast growing market. We provide members with technical as well as professional experience. Each Fall semester we provide students with a lecture series in at least one mobile platform to give students the programming basics to start on that platform. Keep your eyes and ears open about DEV, and we look forward to seeing some of you at our meetings!

## Club for Undergraduate Biomedical Engineering



**CUBE**  
CLUB FOR UNDERGRADUATE  
BIOMEDICAL ENGINEERING

Interested in learning more about biomedical engineering?

CUBE is a student-run club whose mandate is to promote biomedical engineering at the undergraduate level. Our purpose is to disseminate knowledge pertaining to the biomedical field, as well as serve as a point of contact between students, researchers, and the industry. This is accomplished by hosting events such as information sessions on the latest cutting-edge research in the fields of biomedical engineering, medicine, and biotechnology; attending international conferences in related areas; networking with industry leaders during held speaker seminars; and touring various industrial plants, hospitals, and laboratories.

Anyone within the University of Toronto community is invited to join the Toronto chapter at no cost. Simply sign up at any CUBE event or visit us at <http://www.cube.skule.ca> to be regularly informed of bio-related events such as CUBE's events throughout the year, events happening across campus held by organizations other than CUBE, upcoming conferences, and other related activities. See you in September!

## American Society of Mechanical Engineers (ASME)



ASME is a global society that helps the worldwide engineering community to develop solutions to real-world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME UofT is about promoting the identity of

mechanical engineering and enhancing students' technical and professional skills through interactive workshops, seminars and plant tours. Being part of ASME provides an exceptional platform for extra-curricular involvement and developing high value leadership skills. Some of the benefits of being a member include: free/subsidized admission to all ASME events worldwide, scholarship and loan opportunities, and free subscription to monthly Mechanical Engineering magazine for the latest advancements in the engineering discipline. An ASME membership is FREE for Flrosh. Come and be a part of the most prestigious society for mechanical engineers! Please visit our website at [www.asme.skule.ca](http://www.asme.skule.ca) for more details. ASME – Setting The Standard.





## CLUBS

### Canadian Society for Chemical Engineering (CSChE)

The CSChE is a national organization that incorporates professionals, academics and students to facilitate the growth of chemical engineering in Canada. This student club fosters social, academic and professional growth for the Chemical Engineering community through many events, including: How to Survive First Year, Graduate-Undergraduate Pub Night, Industry Tours, Alumni Luncheons, and much more. The CSChE National Conference is held every year to bring chemical engineers from every field imaginable together, including many students from universities across the country. For more information, visit our website: [csche.skule.ca](http://csche.skule.ca), or email [csche@skule.ca](mailto:csche@skule.ca)!

### MIE Mentorship

Hey F!rosh! Welcome to what many will tell you (and we agree!) will be the best year of your lives! The first year of Skule™ is a time of transition to a new environment and that may be intimidating to some. But worry no more! We at the MIE (Mechanical and Industrial Engineering) Mentorship Club are here for you. We pair up every Mentee (hint: that's you!) with an upper-year Mentor. Many of your Mentors have been Mentees before, and all of them were once F!rosh so they will be a valuable resource to you this year. We also organize many fun Mentor-Mentee events and run a subsidy program that allows us to reimburse you for your Mentor-Mentee lunches and coffee! We have many exciting events planned, and we hope that you will find them useful and a lot of fun!

Please find our desk at the Engineering Clubs Fair to register. If you don't catch us there or if you have any questions, you can drop us an email at: [miementorship@skule.ca](mailto:miementorship@skule.ca)

### NSight Mentorship Program



The NSight Mentorship Program is a student-run initiative with the goal of helping first-year Engineering Science students in their transition from high school to university. We do this by pairing you up with an upper-year mentor, and organizing academic help sessions and social events throughout the year to help you become acquainted with your peers, professors, and life at U of T. Last year, we hosted exam study tips sessions, Option talks for each of the EngSci Options, a professor-student mixer, and an end-of-year party to celebrate the completion of the first year of EngSci. You can join the program by contacting us at [nsight.mentors@gmail.com](mailto:nsight.mentors@gmail.com) and providing your first and last name and U of T email address, or by signing up on our website at: [nsight.skule.ca](http://nsight.skule.ca). We'll see you in September!

### Nspire



Nspire Innovation Network is a student-run, non-profit dedicated to fostering Canada's next generation of innovative CEOs, Founders and Leaders in the business and technology space.

Our mission is:

- ◆ To connect youth leaders, industry professionals and entrepreneurs
- ◆ To empower students with skills and knowledge to distinguish themselves as innovative leaders
- ◆ To inspire confidence in students to drive innovation and initiate positive change

Come out to our series of monthly networking and skill building events, the Discovery Series, and to our flagship event, the National Business and Technology Conference 2014. Also don't forget to check our online platforms, Nspire TV and Nteract.

Check us out by visiting [www.nspire.org](http://www.nspire.org)!

## University of Toronto Consulting Association



University of Toronto  
Consulting Association

The University of Toronto Consulting Association (UTCA) is a student run organization that aims to expose U of T undergraduate and graduate students to the management consulting industry. We aim to educate students about the field, provide students with hands-on pro-bono consulting experience, and prepare students for the recruiting cycle. We provide high quality informational events, networking sessions, panel nights, case preparation, pro-bono consulting services and a business case competition with support from the top consulting firms in the world. Please visit our website at <http://www.utconsulting.ca> for more information and sign up on our mailing list at <http://www.utconsulting.ca/join> to receive notices about our events.

## University of Toronto Emergency First Responders



UTEFR stands for the University of Toronto Emergency First Responders. We're a cross-faculty team of students who focus on providing pre-hospital care at the UTSG campus. Whether you just want pick up some basic first aid skills, get certified, join our patrol team or ALL of these things, UTEFR has something to offer. We believe that first aid knowledge is a right, and thus, offer free workshops and heavily discounted first aid courses. We also offer onsite event coverage at high risk or high volume events.

Any member of the UTSG campus is welcome to join UTEFR! UTEFR is expanding our team and range of services in the 2013-2014 term, and we hope you can join our team to be part of this exciting time. You can sign up for our mailing list at [www.utefr.ca/join](http://www.utefr.ca/join). This being said, anyone is welcome to participate in our workshops even if you don't join (you don't need any prior first aid knowledge either – we welcome people of all skill levels!).

Find out more about UTEFR at [www.utefr.ca](http://www.utefr.ca)!

## Engineers Without Borders - U of T



engineers without borders  
ingénieurs sans frontières  
Canada

You care about the people of the world. You get frustrated by witnessing injustice. You get angry by the inaction of the global society to address some of the most pressing concerns of our time. But you are not sure what to do or how to do anything about this? If so, join us, the Engineers Without Borders chapter at the University of Toronto. We are a group of students that are passionate about solving global development challenges.

We make solid steps towards enabling Canadians to alleviate extreme poverty in Africa with focuses on Fair Trade, Youth Engagement, Political Advocacy and Global Engineering. You can help spread awareness of Fair Trade products, reach out to high school students about development issues, or converse with Members of Parliament about foreign aid policies. We also organize a leadership conference every year, gathering high school students from around the Greater Toronto Area to engage them in talks and activities regarding global development issues. Look for the Engineers without Borders at the Frosh Clubs Day or contact [utoronto@ewb.ca](mailto:utoronto@ewb.ca) or check out [utoronto.ewb.ca](http://utoronto.ewb.ca) to learn more about us.



## CLUBS

### Eyes of Hope



"There's nothing more toxic or deadly than a human child." For the monsters at Monster's Inc., interacting with children was taboo. Their fear stems from the lack of understanding. The solution is simple: step through that door and get to know them. In our world, one of such stigma-filled subjects is homelessness. It's time for us to step forward and make a change.

EOH focuses on issues of homelessness and poverty through highly interactive events, during which students come together to create a positive impact on society, develop their leadership skills, have fun, and meet fellow U of T students. By engaging our members at volunteering and social events on and off campus, students learn to overcome the barriers and stigmatization that surround homelessness while actively giving back to the Toronto community. Events include "sandwich runs" around the core of Toronto, umbrella painting with the at-risk youth, builds with Habitat for Humanity, and much more.

We welcome new members all year round! Find us on Facebook at <https://www.facebook.com/eyesofhopeut> and email us your questions at [eyesofhope@utoronto.ca](mailto:eyesofhope@utoronto.ca).

### Chinese Engineering Students' Association (CESA)



Are you someone who is looking forward to get involved in one of the largest university recognizable clubs in your first year of University? Do you want FREE Chinese food? Do you want to make hundreds of friends in a matter of hours? Do you want to learn Mandarin or Cantonese? Do you like to party? To participate in a Food challenge? To Study? To stay fit and active? If you've answered yes, maybe or no (Are you kidding? Who Doesn't LOVE Chinese food!!) to any of the questions, then The University of Toronto Chinese Engineering Students' Association (CESA) is FOR YOU! We're a student run, non-profit organization dedicated to promoting Chinese culture, friendship, communication, and health among the club members.

On top of that, we host countless social and academic events, sports tournaments and Chinese festivals throughout the year.

### Indian Engineering Students' Association (IESA)



The purpose of the Indian Engineering Students Association (IESA) is for students to network, experience Indian culture, and develop social skills by participating in various cultural events. Indian students will be encouraged to be a part of the school and community. Our goal is to promote the various aspects of Indian culture amongst the engineering society. These aspects include music, languages, food, movies, attire, festivals, religions, sports (cricket). Also, the club conforms to the mission, core values and policies of Skule™ and the University of Toronto by promoting personal development and intellectual growth. The club is in its second year and currently has over 200 members. We are looking for people who share the same passion as us to join the executive team and organise events for the student body throughout the year. To join the club as a member or to sign up for an executive position send us an email to the email address given below. Also join our Facebook page to stay updated regarding all the fun events coming up.

Email Address: [iesa.skule@gmail.com](mailto:iesa.skule@gmail.com)  
Facebook Page: <https://www.facebook.com/groups/267611500005410/>

## LGBTQ & Allies in Science and Engineering



**LGBTQase**  
& allies in science and engineering

LGBTQ & Allies in Science and Engineering (LGBTQase - it's pronounced like an enzyme!) is your all-inclusive hub on campus for queer friendly folk as geeky as you are! We work to create a safe, welcoming environment for LGBTQ-identified and allied students within the sciences and engineering through community building. We invite you to bond with us over bubble tea, game with new friends in Galbraith, and mention what's on your mind at our diversity workshops. Help us transform the engineering annex into the diverse space it was always meant to be, we'd love to have you! To stay up-to-date on the latest events, sign up on our mailing list by e-mailing [lgbtqase.communications@gmail.com](mailto:lgbtqase.communications@gmail.com). Also, visit our website at [lgbtqase.wordpress.com](http://lgbtqase.wordpress.com) and join our Facebook group by searching "LGBTQase" for more information. We'll see you at our first event!

## Power to Change Engineers



Engineers at U of T are known for our capabilities in solving problems with innovative minds, from humanities to scientific issues. Power to Change Engineering is an interdenominational Christian group that is dedicated to serving engineering students by helping them solve life's toughest questions. We want to be a spiritual resource to engineers, giving students the opportunity to think about spiritual issues, as well as helping Christians grow in their faith. Join us in our weekly gatherings where we meet and discuss life's larger questions. You can also join us in our weekly in-depth studies on the Christian faith! Please email [p2c.uoft@gmail.com](mailto:p2c.uoft@gmail.com) for more information, or to join our mailing list!







## ACCESSIBILITY SERVICES

The University of Toronto continues to be one of the top education institutions in not only Ontario, but Canada too. Although its inception dates back to the early 1800s, it is always becoming a more and more accommodating university, conscious of students and their learning needs. Moreover, a number of older buildings on campus have been retro-fitted to include accessible ramps and elevators. You'll even find an entire office dedicated to helping you, the engineering students, throughout the year. If you have any questions, please don't hesitate to email [eng-soc@skule.ca](mailto:eng-soc@skule.ca).

The Accessibility Services works together with students, staff and faculty to provide academic accommodations in order to support students with documented disabilities in equal opportunities to achieve academic and co-curricular success. If you are a student that identifies with one or more of the categories below, we encourage you to register with Accessibility Services.

- ◆ Attention Deficit Hyperactivity Disorder (ADHD),
- ◆ Autism Spectrum Disorder
- ◆ Brain injury and concussions
- ◆ Chronic Health
- ◆ Deaf and Hard of Hearing
- ◆ Learning Disability
- ◆ Mental Health
- ◆ Mobility and Functional
- ◆ Low Vision/Legally Blind
- ◆ Temporary Injuries

Some of the services that the Accessibility Services offers include:

- ◆ Alternative test
- ◆ Examination arrangements
- ◆ Authorization of test and exam accommodation coordinated by Test and Exam Services
- ◆ Note-taking services
- ◆ Sign language interpreters
- ◆ Adaptive equipment & assisted devices
- ◆ Alternative format for printed materials
- ◆ Information & resource materials on health conditions & disability related issues
- ◆ Liaison with academic & units within UofT & with off-campus agencies

Accessibility Services also provides peer mentoring and links to financial support to registered students. To register, you must complete and submit a Registration Package along with supporting documentation to the Accessibility Services Office in Robarts library. If you think you qualify, check out the Accessibility Services website, [www.accessibility.utoronto.ca](http://www.accessibility.utoronto.ca) for more information.

## FOOD & BARS



### → Veda

#### **Sandford Fleming Atrium/Multi-Faith Centre, Indian**

Veda is a fast food stand in the pit (in SF) selling healthy and delicious Indian cuisine. They close at around 6pm, but it's a very popular and close location for engineers to buy lunch.

### → Hard Hat Café

#### **Sandford Fleming Atrium, Various**

Run by engineering students like yourself, the Hard Hat Café sells all sorts of snacks and drinks on the cheap, from instant noodles to pizza and submarine sandwiches. But like Veda, it closes relatively early.

### → Ajisen Ramen

#### **332 Spadina Ave, Japanese**

If you're getting sick of instant ramen noodles, try some of Ajisen Ramen's award-winning ramen dishes, a must-have for any fan of Japanese food wanting a change from sushi.

### → Kom Jug Yuen

#### **371 Spadina Ave, Chinese**

Claiming to be the "the best BBQ pork in North America", this place is a very popular (and cheap!) place to get food. As an engineering favourite, it has earned the very popular nickname of 'Cum Jug'.

### → Street Vendors along St. George St

#### **Between College and Harbord, Various**

For those who want a quick bite not too far from campus, there are a number of street vendors selling things such as: burgers, poutine, chinese food, and more. UofT has also begun building a tradition of bringing in a higher class food trucks (serving things like cupcakes and fish) for limited lengths of time to showcase what the city has to offer. Not as tasty as restaurant food, but good for those late-night work sessions, and often cheaper and more convenient than the alternatives.

### → Top Sushi

#### **Japanese, 185 College St**

One of the many sushi restaurants near Sandford Fleming, Top Sushi offers affordable sushi for both take-out and dine-in. Their service is slow, but they are a common sight in common rooms everywhere.



## FOOD & BARS

### →Suds

#### **Sandford Fleming, Basement, Friday nights only**

This will be the bar of choice for many of you, at least for your first year (It can be hard to get into real bars when you're 18!). Suds is the official engineering student bar on campus, opening every Friday afternoon to give you a place to hide from those evil end of the week lectures. It also hosts a variety of events throughout the year. And if you're lucky, you'll even catch a glimpse of Sudsman, the elusive mascot of engineering inebriation!

### →Einsteins

#### **229 College Street, across from the Engineering Career Centre**

A common retreat for engineering students, this bar is a great place to go to catch up with friends and classmates once you've gotten kicked out of Suds. Don't forget a wristband from Suds when you head over: if you're before ten o'clock, you can exchange it for a free beer! Pitchers are ten bucks, cheap pool, and nightly events make it a good place to forget about Skule™!

### →Sin & Redemption / Village Idiot Pub

#### **126 McCaul St, on the corner of McCaul and Dundas**

These two bars share a kitchen and most of a beer selection, but not much else. S&R caters to the fancier of the pub goers, with a higher class ambiance and decor. A great stop after a presentation, when you're still looking spiffy, to celebrate with your team! The Village Idiot, a more laid back affair, is popular with people from all over the city. Both bars are especially attractive in the summer when they open the large garage doors to encourage a breeze and people-watching.

### →The Pour Girl

#### **191 College Street, across from the Wallberg Building**

Another popular place for students and locals alike, the Pour Girl also hosts many of the department-sponsored parties throughout the year. Two floors and frequently live music, the food is decent, and the beer selection is passable, it serves as another close retreat from hard days of education.

### →O'Grady's

#### **171 College Street, across from the Mining Building**

A pub built next to a shelter, it can be host to some interesting crowds. The food is notoriously iffy (but you didn't hear it from us), and the beer selection is standard. But it has a habit of hosting sports broadcasts on a large projector, and can draw huge crowds for big games. Stop by if you're feeling brave, but there are better options in the area.



## EVENTS IN THE CITY

### →Rogers Cup (August 3-11, 2013)



A fan of tennis? Well why not drop in and watch your favorite players battle it out for the coveted Toronto ATP Tour Rogers Cup. Top players are always present, and this year, the lovely ladies of the game will be in Toronto this year, while the men are over in Montreal. Watch Sharapova, Williams, Azarenka and Wozniacki at the singles draw. Spectate, cheer and appreciate the wonderful sport of Tennis.

### →Pilaros Taste of the Danforth (August 9-11, 2013)



The 19th Pilaros Taste of the Danforth takes place all along Danforth avenue. It's three days worth of delicious Greek cuisine, culture and authentic music. Every year, the Taste of Danforth welcomes over 1.3 million visitors and is the largest Canadian street festival. So if you're looking for a great way to spend some quality time with family and friends, make a visit to the festival and you definitely won't regret it!

### →Canadian National Exhibition (August 16 – September 9, 2013)



"The Ex" takes place at the Exhibition Place for 18 days between mid-August and Labour Day. It consists of live air shows and demonstrations, showcasing the diversity and talent exhibited by people from all over the world. However, it's mostly known for its amusement park that has more thrill rides than one can count to give you an experience matching that of many theme parks. The Ex has something for everyone, whether you just want to enjoy a couple of intense thrill rides,

check out products sold by people from all over the world, or get an idea of the long and intriguing history of Canada, The Ex is the place to be!

### →Fan Expo Canada (August 22-25, 2013)



It is usually considered the "Comic Con" of Canada, and is an annual multi-genre fan convention showcasing various popular arts such as comic books, sci-fi/fantasy, horror, anime, manga, animations, video games and much much more. For four days

at the Metro Toronto Convention Centre you can take part of Exclusive Pre-screenings and live presentations of new television series and films, meet directors, producers and casts of various projects while also having some fun at Fan Expo's various activities. Consider it four days of pure bliss.

### →Scotiabank Buskerfest (August 22-25, 2013)



Taking place on Yonge Street from August 22 to 25, Buskerfest is a performing arts festival where performers from all over the world gather here to show off their talents to raise money for Epilepsy Toronto, a charity focusing on the needs of epileptic persons. What kind, you ask? In the

past, Buskerfest featured everything from comedies and magicians to contortionists, acrobats and musicians, but there's always something you wouldn't expect going on. Admission is by donation to Epilepsy Toronto.





## EVENTS IN THE CITY

### →Toronto International Film Festival (September 5-15, 2013)

The Toronto International Film Festival is one of the most renowned film exhibitions in the world. It showcases films by both big-name directors and smaller independent artists. The film festival is one of the best places to preview the upcoming flicks coming out in the next year or two. Who knows, you might even bump into a celebrity or two!

tiff.

### →Scotiabank Nuit Blanche (October 5, 2013)

Let's face it, although we may be Engineers, and Artsies are our eternal nemesis, nobody can argue against the fact that art will always be a less rigorous (and mentally taxing) activity for any sane human being (EngSci's excluded, but then again they aren't exactly sane).

Therefore, after a harsh introduction to the difficulties of engineering, why not take a break from studies to explore this city-wide art exhibition? Most interesting part? The art exhibition happens at night!



### →Santa Claus Parade (November 2013)

Nobody is ever too old for a little Santa Claus fun. The Santa Claus parade takes place during one Sunday every November and is complete with floats galore. Be prepared for some bright colours, fun characters and unbelievably amazing floats. Getting there isn't difficult either because the TTC and GO Transit have multiple ways to get you there to see the fun.



### →New Years Eve Bash (December 31, 2013)

City TV holds an event every New Year's Eve at Nathan Philips Square to count down the new year. There's always live music and a fantastic atmosphere. It's great way to spend the evening with friends and family, and it will always be a fun time. You should also remember that Nathan Philips Square is set up as an outdoor skating rink with skate rentals all winter long!



### →Winterlicious (January/February 2014)

Do you like food? Do you like high quality food? Do you like high quality food at a low price? If you said yes to any of those questions then Winterlicious is your kind of event! For two weeks, you can experience unique foods from fine dining restaurants that offer prix fix menus, or set-menu meals at much lower prices than normal. It's a great chance to eat good food on a student budget. For more information you can always check out the City of Toronto's website and sign up for their newsletter to be the first to know when and where Winterlicious starts.



### →Pride Parade (Late June 2014)

Every year near the end of June, Toronto shows its pride, and honors its LGBT community in a week-long festival. All this culminates in an amazing city-wide parade across the streets of Toronto. Even if you're not LGBT, the parade is not something to miss, because our very own Skule™ Bnad will be attending the parade. Next year, after making it through F!rosh, be sure to join us in the parade, and show the people of Toronto our SKULE™ PRIDE!



## PLACES TO GO

### →Air Canada Centre



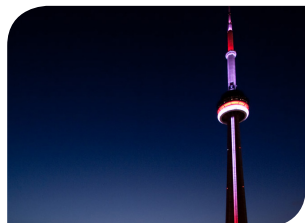
This indoor arena is home to Toronto's infamous Raptors and Leafs, two sports teams that seem to never win. It's still fun to go out to one of their games, just to take a break from all of that studying – if you can get your hands on a ticket.

### →Centre Island



An island on Lake Ontario off the shores of Lake Ontario, Centre Island is about a \$6 ferry ride away. There's a gorgeous view and so much to do, including biking, barbequing, disc-golfing etc.

### →CN Tower



Currently the fifth tallest freestanding structure in the world, the CN Tower features a sky pod 447 meters above the ground and a glass floor 342 meters high for you to test your courage. There's also a fancy restaurant up there too, in case you want to bring someone out for a (literally) high-class dinner.

### →Eaton Centre



One of Toronto's most popular tourist attractions, the Eaton Centre is a massive shopping complex consisting of over 300 stores and restaurants, and just about every brand name of electronics or clothing that you can think of. Whether you're looking for that perfect gift, some new clothes, or just some window shopping, this is the place to go. And when (if) it starts getting boring, there's a 28-km long network of underground tunnels connecting it to a huge number of shopping complexes called PATH.

### →Harbourfront Centre



One of Toronto's main cultural and arts centres, the Harbourfront Centre is home to numerous theatres and performances. It's also close to the docks where ferries run between the mainland and the Toronto Islands, as well as the Water's Edge Promenade and Boardwalk, which runs across the Toronto waterfront.



## PLACES TO GO

### →Hockey Hall of Fame

Believe it or not, there was a time when the Leafs didn't suck. It was a long long LONG time ago, but they had legendary players that won games and were the ones to put *other* teams to shame. Sadly, that time is long gone, but Toronto still manages to retain some of its dignity in hockey by being home to the NHL's Hockey Hall of Fame. It is both a museum of historic events in hockey and a hall of fame of famous hockey players.



### →Rogers Centre (1 Blue Jays Way)

Formerly known as the "SkyDome" before it was sold to Rogers, this world-famous stadium is most commonly known as the first stadium in the world with a fully retractable motorized roof. When you have some time to kill, try to catch a baseball game featuring our fantastic Toronto Blue Jays. Let's go Jays!



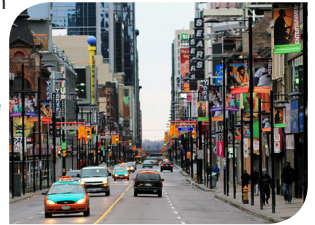
### →Nathan Philips Square

Located just outside City Hall, Nathan Philips Square is a nice place to relax when school's out and exams are done...whether in the summer for its reflecting pool, or the winter for its skating rink. It's guaranteed to be tons of fun!



### →Yonge Street

What once used to be the longest street in the world at 1896km long, Yonge Street goes all the way from Lake Ontario to Rainy River, at the Minnesota border. The more interesting things of Yonge Street are located in the area south of Bloor – with more shops and restaurants than you can ever imagine. Yonge Street is also where the Time Square of Toronto is located, at Yonge-Dundas Square!







EXTRA







## SKULE™ SONGS & CHANTS

### Godiva's Hymn

Every engineer must know ALL the lyrics to Godiva's Hymn! Okay well, maybe the upper years still haven't figured out the lyrics past the first two verses, but the more you memorize, the cooler you will be among your fellow F!rosh.

***(Tune: The Battle Hymn of the Republic)***

Godiva was a lady, who through Coventry did ride,  
To show to all the villagers her fine and lily-white hide.  
The most observant villager, an Engineer of course,  
Was the only one to notice that Godiva rode a horse.

***(CHORUS)***

We are, we are, we are, we are, we are the Engineers,  
We can, we can, we can, we can demolish forty beers,  
Drink rum, drink rum, drink rum, drink rum and come along with us,  
For we don't give a damn for any damn man who don't give a damn for us!

***(OPTIONAL FEMALE CHORUS)***

We are, we are, we are, we are the female Engineers,  
We can, we can, we can, we can drink just as many beers,  
Drink rum, drink rum, drink rum, drink rum and come along with us,  
For we don't give a damn for any damn man who can't get it up for us!

Said she, "I've come a long, long way and I will go as far  
With the man who takes me from this horse and leads me to a bar."  
The men who took her from her steed and led her to a beer,  
Were a blurry-eyed surveyor and a drunken Engineer.

Any Civil Engineer can go for days and days  
Describing how concrete is used in oh-so many ways,  
But not till one dark gray night of true debauchery  
Was using it to float a boat considered one of these!

An Artsie and an Engineer were stranded on a boat,  
One passenger too many, the poor boat couldn't float.  
The Engineer would toss a coin to settle the dispute,  
He tossed it in the water and the ArtSci gave pursuit.

When Mechs are feeling thirsty and when Civs are all worn out,  
There's one place you can go, and that is Suds without a doubt.  
So next time you drink a rich, cold, golden, icy, frothy beer,  
Get on your worthless knees and thank a Chemical Engineer!

An Engineer once came to class so drunk and very late,  
He stumbled through the lecture hall at an ever-diminishing rate.  
The only things that held him up and kept him on his course,  
Were the boundary condition and electromotive force.

## SKULE™ SONGS & CHANTS

Ace Towing roams the streets of Yorkville each and every night,  
They tow the cars, and stow the cars and hide them out of sight.

They tried to tow Godiva's Horse, the Engineers said "Hey!"  
They towed away the towing truck, and now the Ace must pay.

A U of T Computer man got drunk one fateful night  
He opened up the console and smashed everything in sight.  
When they finally subdued him, the judge he stood before  
Said, "Lock him up for twenty years, he's rotten to the core!"

The Romans fed their concrete mix the blood of ox and men  
The Mafia uses theirs to teach a lesson now and then  
But for all their pretty tricks their evil cannot even tie  
Our trusting it in a canoe to float and keep us dry!

An ArtSci lad in robes was clad and set to graduate,  
A pompous gleaming spectacle he was upon that date.  
But not a quarter hour after he got his degree,  
He was serving fries to engineers from S-K-U-L-E!

Godiva died, and where she lies, a bench-mark shows the spot  
In any engineering text, its level can be got.  
Godiva's now in Heaven, where she daily prays for beer,  
But she'll have to wait till Heaven gets a Resident Engineer.

Godiva was a lady well-endowed there was no doubt,  
She never wore a stitch of clothes, just wound her hair about.  
The first man who ever made her was an Engineer, of course,  
But on just one drink an ArtSci fink once made Godiva's horse!

A man sat in a tavern with a lovely Toronto lass  
And stared when more than nineteen times she raised and drained her glass.  
He said "You've out-drunk four strong men, and half the bar, my dear."  
But the maiden smiled demurely and said she was an Engineer.

We saved our dough for years to send the kid to U of T  
Although we knew it was a place of wild depravity,  
But now we know our kid is safe and we should have no fear  
He's never even heard of sex 'cause he's an Engineer.

My father was a miner from the Northern Malamute,  
My mother was a mistress in a house of ill repute.  
The last time that I saw them both these words rang in my ears,  
"Get out of here you son of a bitch and join the Engineers."

Other schools have mascots and they think that theirs is best,  
But when it comes time, theirs do fail to pass the test.  
Phallic imagery with mascots seems to be the norm,  
But the Cannon is the only one that can truly perform!



## SKULE™ SONGS & CHANTS

Industrials have got the dates and that is a known fact.  
It's not the way they part their hair, or in the way they act.  
It's that they're such good lovers with that extra special touch,  
Since you have to get that skillful when you fuck the dog so much.

Elvis was a legend, he's the King of Rock & Roll,  
But the life that he was leading, well it finally took its toll.  
He realized too late that he chose the wrong career,  
So he faked his death, and came to Skule™ to become an Engineer.

The Army and the Navy boys went out to have some fun,  
Down to the local tavern where the fiery liquors run,  
But all they found were empties, for the Engineers had come,  
And traded all their instruments for gallon kegs of rum.

An EngSci man from U of T went out and drank his fill.  
He came then to a strip joint, 'cause he had some time to kill.  
The motions that he witnessed there excited all his nerves,  
And he filled eleven napkins with equations of the curves.

The modern engineer must be politically correct,  
No more motors lubricating, no more buildings rise erect,  
No more electrical capacitors whose plates are high and fair  
Instead of problem solving let's just sit around and care.

U of T was U of T when Ryerson was a pup,  
And U of T will be U of T when Ryerson's time is up,  
And any Ryerson son of a bitch who thinks he's in our class,  
Can pucker up his rosy lips and kiss our purple ass!

For 50 years the Engineers at Queens have had our pole,  
From Varsity they took it, and their Flosh week was its role,  
But 28 of our own went down, and with a cunning plan  
We opened up an unlocked door and brought it home again!

Late one night, an Engineer was lost in work and toil,  
He set off to find a darling girl to help discharge his coil.  
In little time he'd warmed her up, her resistance at a low,  
They fluxed until the morning's light, when their fuses, they did blow.

On reading Kama Sutra, a guy learned position nine.  
For proving masculinity, it truly was divine.  
But then one day his girl rebelled and threw him on his rear,  
For he was a feeble ArtSci and she was an Engineer.

The ArtSci thought he had it all, his girlfriend disagreed  
One day she up and left him; he could not fulfill her needs  
"Where are you going?" The ArtSci cried, half-naked from the dorm,  
"To find an Engineer," she said, "At least they can perform!"

## SKULE™ SONGS & CHANTS

Some Engineers from U of T got loaded on a bus,  
The driver took them to a town a long, long way from us.  
They drank the local tavern dry and went to look for more,  
When they couldn't find another bar, they stormed the liquor store!

Engineers made tribute to the Cannon's might and Skule™,  
Their cinematic exposé turned out to be a jewel.  
Soon after Innis was found bare and the campus rang with fear,  
The Faculty of Film had been replaced with Engineers!

We heard the old professor is ending his career  
We thought we'd help him celebrate and bring a keg of beer,  
But when we thought that we would have to share it with you all  
We thought about it once again and drank it in the hall.

The year that Mikey's double cohort came to U of T,  
The Frosh were not just underaged, but knew no High School glee.  
When the campus parties all went dry, Suds still flowed with beers,  
And those sober college Artsies thanked their God for Engineers.

I'm graduating EngSci, and I feel I have to pout,  
There's one thing in the world I have yet to figure out.  
It's something EngSci drop outs seem to pick up from the Mechs,  
Apparently it's pleasurable, I think they call it sex.

A fire hose by day and forty beers by night,  
An Engineer may never sleep and still stay just as bright.  
And if you ever ask her how she keeps up her routine,  
She'll raise her trusty can of Jolt, smile and say "Caffeine!"

We'd like to welcome all the parents here to U of T,  
But there are lots and lots of things we'd like you not to see.  
Like sex and drugs and rock & roll, and kegs and kegs of beer,  
But we would never touch that stuff 'cause we're the Engineers.

The Jerry P. Potts trophy for the chariot race at Skule™  
Had been stolen from the fold but Mario said, "Dis ain't cool".  
So Mario recovered it, returned it to the throngs,  
On the condition that the Skule™ mates sing his praises in their song.

Venus is a statue made entirely of stone,  
There's not a fig leaf on her, she's as naked as a bone.  
On noticing her arms were gone, an Engineer discoursed,  
"The damn thing's busted concrete and it should be reinforced."

We're the biggest group of Engineers here studying our craft,  
But we're mostly EngSci failures, so we usually get the shaft.  
Us poor Elecs and Comps, we have no verse to sing alone,  
But after all we are all nerds, so here, we wrote our own!





## SKULE™ SONGS & CHANTS

Professors put demands on us, they say we have to tool,  
But all we want to do is sleep, WE HATE THIS FUCKING SCHOOL!

You can bitch or tell us off, abuse us if you please,  
But we're all set to graduate and ALL WE NEED ARE C'S!

A U of T Engineer once found the gates of Hell,  
Looked the devil in the eye and said, "You are looking well."  
Satan just returned the glare and said, "Why visit me?"  
You've been through Hell already, since you went to U of T!

Caesar set out for Egypt at the age of fifty-three,  
But Cleopatra's blood was warm, her heart was young and free.  
And every night when Julius said goodnight at three o'clock,  
A Roman Engineer was waiting just around the block.

A wide-eyed ArtSci Chemist and a Chemical Engineer  
Were formulating molecule equations over beer.  
Each drank a glass of water, but the ArtSci hit the floor,  
For what he thought was H<sub>2</sub>O was H<sub>2</sub>SO<sub>4</sub>!

An Elec and a Comp challenged wits in a Bahen hall  
Students gathered all around to watch the two great students brawl,  
The Elec spoke of flux and fields for a minute, two or three,  
But the Comp kept droning on and on and on recursively!

TrackOne is a discipline for those who cannot choose.  
Because we can't make up our minds, the Faculty gives us food.  
If you ask us where we're going we'll say "ask another day",  
(but) if Cohen has his way with us, we may be here to stay.

I happened once upon a girl, who eyes were full of fire,  
Her physical endowments would have made yours hands perspire.  
To my surprise she told me that she never had been kissed,  
Her boyfriend was a tired Engineering Scientist.

All EngSci types in second year are really in a plight,  
They're the masochistic ones, who haven't seen the light.  
After two more years they will be just as brain dead,  
As any first year Civil Engineering cement head.

A maiden and an Engineer were sitting in the park,  
The Engineer was busy doing research after dark.  
His scientific method was a marvel to observe,  
While his right hand wrote the figures down, his left hand traced the curves.

Copulation, fornication, penetration, fuck,  
Rim job, reem job, nose job, blow job, cunnilingus, suck,  
Eating beaver, dipping wick, and taking it in the rear,  
These words don't mean a thing to me, 'cause I'm an Engineer!

## SKULE™ SONGS & CHANTS

An ArtSci and Engineer once found a gallon can,  
Said the ArtSci, "Match me drink for drink, as long as you can stand."  
They drank three drinks, the ArtSci fell, his face was turning green,  
But the Engineer drank on and said, "It's only gasoline."

My father peddles opium, my mother's on the dole,  
My sister used to walk the streets, but now she's on parole,  
My brother runs a restaurant with bedrooms in the rear,  
But they don't even speak to me 'cause I'm an Engineer.

As legend goes an apple fell on poor Sir Isaac's head,  
And Newtonian Mechanics then was born, took hold and spread.  
Too bad he was a physicist and not an Engineer,  
If he wore a hardhat, we'd have less class and more beer!

Said Spock to Captain Kirk, the logic you cannot refute,  
The odds of our survival are so small I can't compute,  
Said Kirk, "oh no we all will die" but then he gave a cheer,  
Cause he just remembered Scotty was the resident Engineer!

Now you've heard our story and you know we're Engineers,  
We love to hate our problem sets, we love to drink our beers.  
We drink to every person who comes here from far and near,  
Cause we're a HELL-OF-A,  
HELL-OF-A,  
HELL-OF-A,  
HELL-OF-A  
HELL-OF-AN-ENGINEER!





## SKULE™ SONGS & CHANTS

### Skule™ Yell

*(Sing this whenever the Cannon is fired)*

Toike Oike, Toike Oike,  
Ollum te cholum te chay.  
School of Science, School of Science,  
Hurray, hurray, hurray.

We are (we are),  
We are (we are),  
We are the engineers,  
We can (we can),  
We can (we can),  
Demolish forty beers,  
Drink rum (straight!),  
Drink rum (straight!),  
And come along with us,  
For we don't give a damn for any damn man  
Who don't give a damn for us!

Yay, Skule™!  
*(Jump up while you do this.)*

### Marching Bands

When marching bands and policemen fall in line,  
We've got to win the game another time,  
And for the BLUES I yell, yell, yell, yell, yell,  
And for the University I yell like hell!  
We're going to fight, fight, fight for every yard,  
Circle the ends and hit the line right hard,  
And throw the enemy upon the side  
(HIT 'EM HARD) RAH! RAH! RAH!

[MARCHING BNADS]

When polar bears and penguins fall in line,  
We've got to wing for the Arctic another time,  
And for the Moose I yell, yell, yell, yell, yell,  
And for the Albatross I yell I yell like hell!  
We're going to fly, fly, fly, for every yard,  
Circle the ice and hit the tundra hard,  
And throw the polar bears upon the ice  
(HIT 'EM NICE) OOL! OOL! OOL!

## Sesame Street

Sunny days, sweeping the clouds away,  
On my way to where the air is sweet.  
Can you tell me how to get,  
How to get to Sesame Street?  
How to get to Sesame Street?

I don't know the words to the second verse,  
I just make'em up as I go along.  
Can you tell me all the words,  
All the words to Sesame Street?  
All the words to Sesame Street?

## Engineering Drinking Song

Here's to "name" x2  
Here's to "name", he's/she's a horse's ass  
Why was he/she born so pitiful  
Why was he/she born at all!  
He's/She's no fucking use to anyone,  
He's/She's no fucking use at all!  
So drink motherfucker (if the victim is male)  
OR  
So drink silly bitch (if the victim is female)

## A Soldier's Tale

A sol-, a sol-, a soldier I will be  
Two pis-, two pis-, two pistols on my knee  
For cu-, for cu-, for curiosity  
As we fight for the old count-,  
Fight for the old count-,  
Fight for the old country!

Harass, harass, harass him in the dark  
Each hit, EACH HIT, each hit will find its mark  
A hor-, a hor-, a horse will carry me  
As we fight for the old count-,  
Fight for the old count-,  
Fight for the old country!





## SKULE™ SONGS & CHANTS

## Hey, Look Us Over

Hey, look us over,  
Lend us an ear,  
The Lady Godiva Memorial Bnad is here!  
We've got the music,  
We've got the jive,  
We may be in a drunken stupor but  
we're still alive.  
So if you don't like our "music,"  
Give us a beer,  
And maybe next time we will disappear,  
For we still got a little bit left to drink,  
Like maybe forty beers,  
After all we're engineers

# Rubber Ducky

Rubber Ducky, you're the one.  
You make bathtime so much fun.  
Rubber Ducky I'm awfully fond of you.  
Boo boo de doo!

Rubber Ducky, joy of joys,  
When I squeeze you, you make noise.  
Rubber Ducky, my very best friend is you!

One, two, three, four!

Everyday when I make my way to the tubby,  
I find a little fella who's cute and yella and chubby.  
Rubber dubber ducky!

Rubber Ducky, you're so fine,  
And I'm happy that you're mine.  
Rubber Ducky, I'm awfully fond of,  
Rubber Ducky, I'd love a whole pond of,  
Rubber ducky, I'm awfully fo-o-o-o-o-o-o-nd of you,  
too, boo-boo-de-doo!

## Why Are We Waiting?

*Sung to the tune of (Oh Come All Ye Faithful)*

Why are we waiting? x2  
Oh, why are we waiting?  
Oh, why do we wait?  
Why are we waiting?  
We could be integrating (or fornicating, or  
masturbating, or whatever else rhymes)  
Why are we waiting? x2  
Oh, why do we wait?  
Why are we waiting?

Where are we going? x2  
Oh, where are we going?  
Oh, where do we go?  
Where are we going?  
At least it isn't snowing.  
Where are we going? x2  
Oh, where are we going?  
Oh, where do we go?  
We want attention. x2  
Oh, we want attention.  
Attention, we want.

We want attention,  
At least an honourable mention  
We want attention. x2  
Oh, we want attention.  
Attention, we want.

We need more verses. x2  
Oh, we need more verses.  
Verses, we need.  
We need more verses,  
At least it isn't curses.  
We need more verses. x2  
Oh, we need more verses.  
Verses, we need.



## CONTACT INFORMATION

### POSITION

President  
VP Finance  
VP Communications  
VP Academic  
VP Student Life  
Speaker  
Archivist  
Cannonball Chair  
Cannon Editor  
Chief Returning Officer  
Community Outreach  
Computer Systems Admin  
F!rosh Handbook Editor  
Gradball Chair  
Hard Hat Café Managers  
Hi-Skule™ Liaison  
Orientation Chair  
Skulebook Editor  
Skule Kup Director  
Sponsorship Director  
Stores Managers  
Suds Managers  
Toike Oike Editor  
UTEK Director  
Webmaster  
Blue and Gold Chair  
Chief Attiliator  
EAA President  
Bnad Leedur  
D(r)umb Majur(k)  
You're Next Career Network

### NAME

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Gordon Tattle  
Thomas Santerre  
*Vacant*  
Gabriel Stavros  
Matthew Lattavo  
Kimberly Shen  
Aneeqa Haider  
Ashkan Parcham Kashani  
Laura Shen  
Alex Cheng  
Billy Graydon  
Rejuana Alam  
Nicole D'Mello  
Lillian Zhang & Ena Verma  
Teresa Nguyen  
Vivek Kesarwani  
Jobin Puthuparampil  
Nicholas Chin  
Prashant Megnath  
Matthew Lee & Mehran Hydari  
Pearl Barrett & Soph Wolf  
John Sweeney  
Kenny Wong  
Mark Ye  
Greg Cummings & Ryan Mintz  
*You wish!*  
Bo Han Zhang  
Maya Zhang  
Andrew Barolet  
Victor Zhang

### EMAIL (@skule.ca)

president  
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vpacademic  
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cannon  
cro  
community  
sysadmin  
handbook  
gradball  
cafeteria  
hiskule  
orientation  
skulebook  
kup  
sponsorship  
stores  
suds  
toike  
utek  
webmaster  
blueandgold  
kaboom  
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### DEPARTMENTAL COUNSELORS

Someday, you might run into situations where you need academic advice - your Departmental counsellors are here to help. Below is the contact information of the counselors for each specific discipline

### DISCIPLINE

Chemical  
Civil/Mineral  
Electrical/Computer  
Engineering Science  
Materials  
Mechanical/Industrial  
TrackOne

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Still want to know more about Skule™?

Check these websites to expand your Skule™ knowledge:

Skule™ Website – [skule.ca](http://skule.ca)

Skule™'s Wikipedia – [skulepedia.ca](http://skulepedia.ca)

## GLOSSARY

### A

**ArtSci** (noun) - Making up  $\frac{3}{4}$  of the U of T population and 9/10 McDonald's staffers, these students are plagued by the inability to choose a profession which produce employable skills. That being said, they can analyze a mean sonnet or cook some delicious fries!

### B

**Bell Curve** (phenomenon) - The process by which a hopeless grade gets better, as long as your situation is no more hopeless than the class average.

**BEvERages** (noun) - Read between the lines.....

**Blue and Gold 1)** (noun) - The Host with the Most - the Blue and Gold committee - is responsible for organizing many of Skule™'s special events, the most notable of which is Godiva Week! And without that, where would we be? (Ans: in class, crying.)

**2)** (noun) - Official Skule™ colours!

**Burbulla Notes** (noun) - Engineering's equivalent of SparkNotes, these knowledge-laden, condensed PDF files can be the difference between acing and failing your math courses.

### C

**Cannon, The 1)** (loud) - Skule™'s Official Mascot! An actual Cannon. Deafening, explosive and certainly makes an impression on whoever comes within a mile's radius of it.

**2)** (noun) - The Official Engineering newspaper! Brings to you the latest \*actual\* news on campus. Very informative!

**Chemical Engineering** (noun) - see 'Female'

**Civ** (noun) - These students liked making buildings in minecraft so much, that they decided to give the real thing a spin! The Civil Engineer loves to erect massive beams and show off how sturdy their towers are - just give them a moment to do so.

**Convocation Hall** (place) - The massive auditorium on King's College Circle masquerading as classroom. Able to seat 1500+ students, this is where you'll have APS111/112

### E

**EngSci** (noun) - Essentially the AP class of Engineering, these students prefer to do unnecessary extra amounts of work to earn their engineering degrees, unaware it has no impact on their earning potential. Generally friendly and harmless, but quite competitive and sometimes unable to understand sarcasm

**Ethical** (adj) - What you are called when you have successfully managed to pass your APS150 exam by doodling a smiley face with the bubble sheet.

### F

**Female** (noun) - see 'Chemical Engineering'.

### G

**Godiva Week** (event) - The week back after the winter holidays come to their close. Full of Blue and Gold events, Suds every night, and much more, it can even be called Skule™'s second Frosh week. Don't forget get your hardhat-decorating swag on for the week, Skuligans!

### H

**Happiness** (noun) - Unlike Nemo, you will barely find it, not even at 42 Wallaby Way, Sydney. But when you do, it'll probably be at Suds every Friday in a cup of beer.

**Hardhat 1)** (noun) - Your most important possession! Protect that yellow cranium-covering dome with your life; hardhats are the favorite food of ArtScies, who like zombies, will travel in vast hordes in an attempt to deprive you of it. 2)

### I

**Indy** (noun) - Unable to deal with being referred to as an ArtSci, these students chose Industrial Engineering as their path of escape. Who are they kidding?

**Infinity** (noun) - origin: Only known to Buzz Lightyear. A limit with no boundaries, beyond which is impossible, as it encompasses both positive and negative.

**Iron Ring** (noun) - The Ultimate Prize after you race to the end of four or five years. The Iron Ring is presented to those nearing the end of their engineering education.

## GLOSSARY

### L

**Lady Godiva Memorial Bnad, The** (noise) - In memory of the great Lady Godiva, the Bnad marches around downtown to showcase to Torontonians our deep love of the engineering heritage, as well as bring them the joy and love of music. Give them beer and they will go away.

### M

**Mech** (noun) - These guys and gal(s - there are sometimes more than one), overjoyed by the realization they can relax through 2nd year, do not know not how to cope with the pressure of fluid dynamics being thrown at them come 3rd year.

**Mins** (noun) - Students who are always glad to talk to you about rocks and digging holes!

**MSE** (noun) - let's be honest; it's where the guys, thinking chem eng was for girls, decided to go to get their chem eng knowledge.

### P

**Pedagogical** (adj) - Only included here for pedagogical reasons.

**Pit, The** (place) - Ground Zero for the engineering community, located conveniently in the Sandford Fleming atrium! If there is any event planned, chances are it is either going on in the pit, or you'll end up back in the pit by the evening's end. Home to Suds every Friday, it also houses the Hard Hat Cafe, Engineering Stores, and the Engineering Society office.

**Pixar** (Magical Storyteller) - The theme of this year's handbook, and also one of the motion-picture studios that helped make you feel like you actually had friends as a kid.

**Professor** (noun) - from the Latin "pro-" and "feces", these people who will teach you all the crap you need to know.

### S

**Shower** (optional) - Rare event where soap, water, and an engineering student are present together, at the same time. Occurrence of 'showers' varies by discipline, with only one event being noted in the entire history of ECE.

**Suds** (event) - Just like the foam that forms on the top of a beer, Suds caps off nearly every Friday during the Skule™ year.

### T

**Toike Oike** (noun) - One of Skule™'s hallmark and always-classy publications, the Toike is the preferred humour newspaper for the discerning and upscale reader. Not into this bourgeois "reading" business? That's okay, too. The Toike is equally useful: for Toiking, as a makeshift umbrella, for impromptu rolled-paper sword-fights, and much more!

**Toiking** (verb) - The barbarous act of publicly defiling your mortal enemy/best friend/casual acquaintance, through the repeated application of a Toike Oike to his/her face.

**TrackOne** (noun) - Realizing they need a job, but unable to make any decision beyond "engineering", these students suffer through a year of indecision together. As their year ends, TrackOnes band together for a giant game of Wheel-of-Fortune to determine their respective disciplines and fates.

**TTC** (noun) - Toronto Transit Commission (a.k.a Take The Car).

### V

**Veda** (proper noun) - Food and beverage emporium responsible for the most on-campus cases of heartburn and other gastric maladies. They sell "Indian" food.

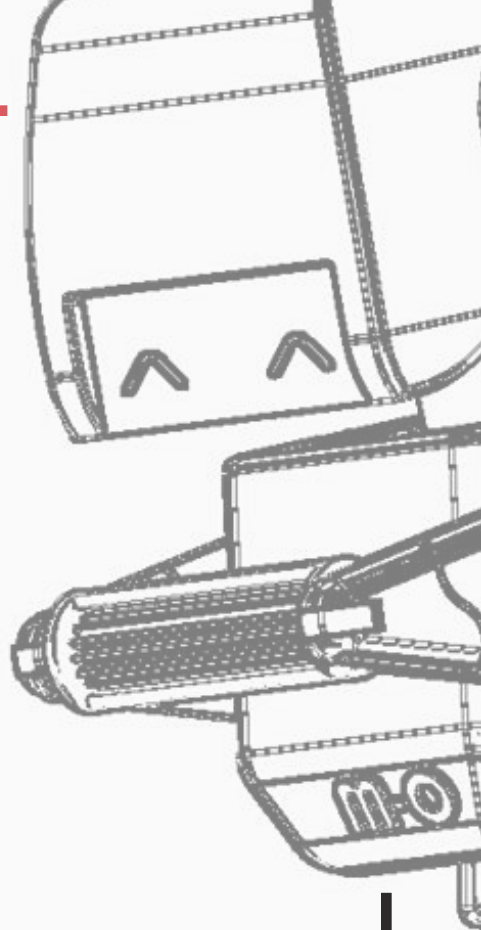
### W

**Waterloser** (noun) - A name we at U of T have for the engineers at UWaterloo, who try so hard to prove that they are up to snuff. They even have a giant wrench! Losers.



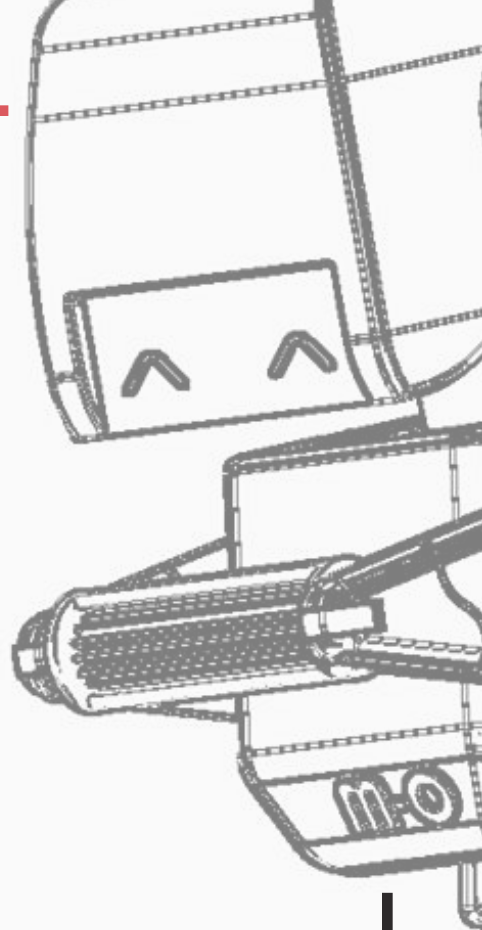
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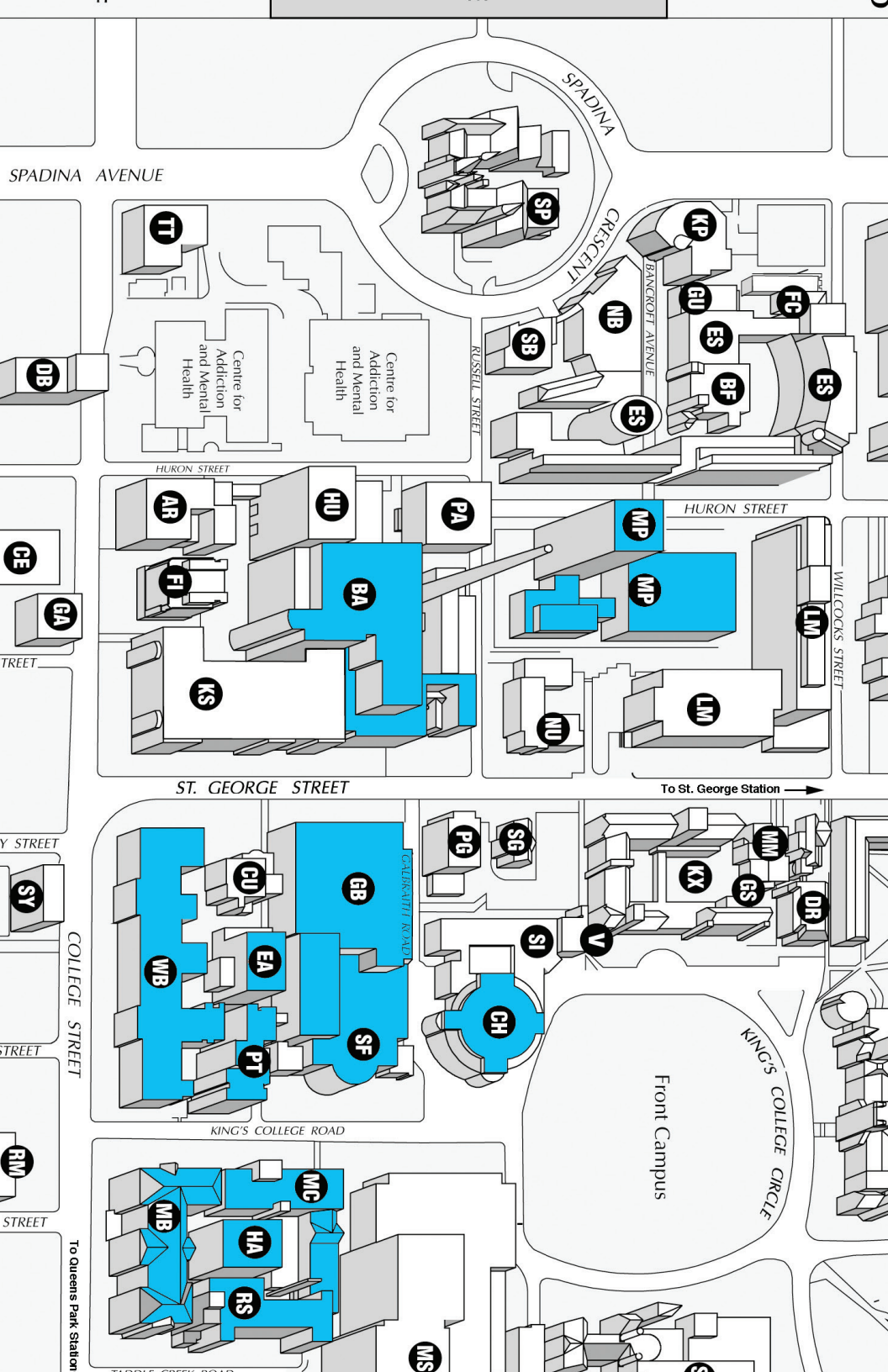


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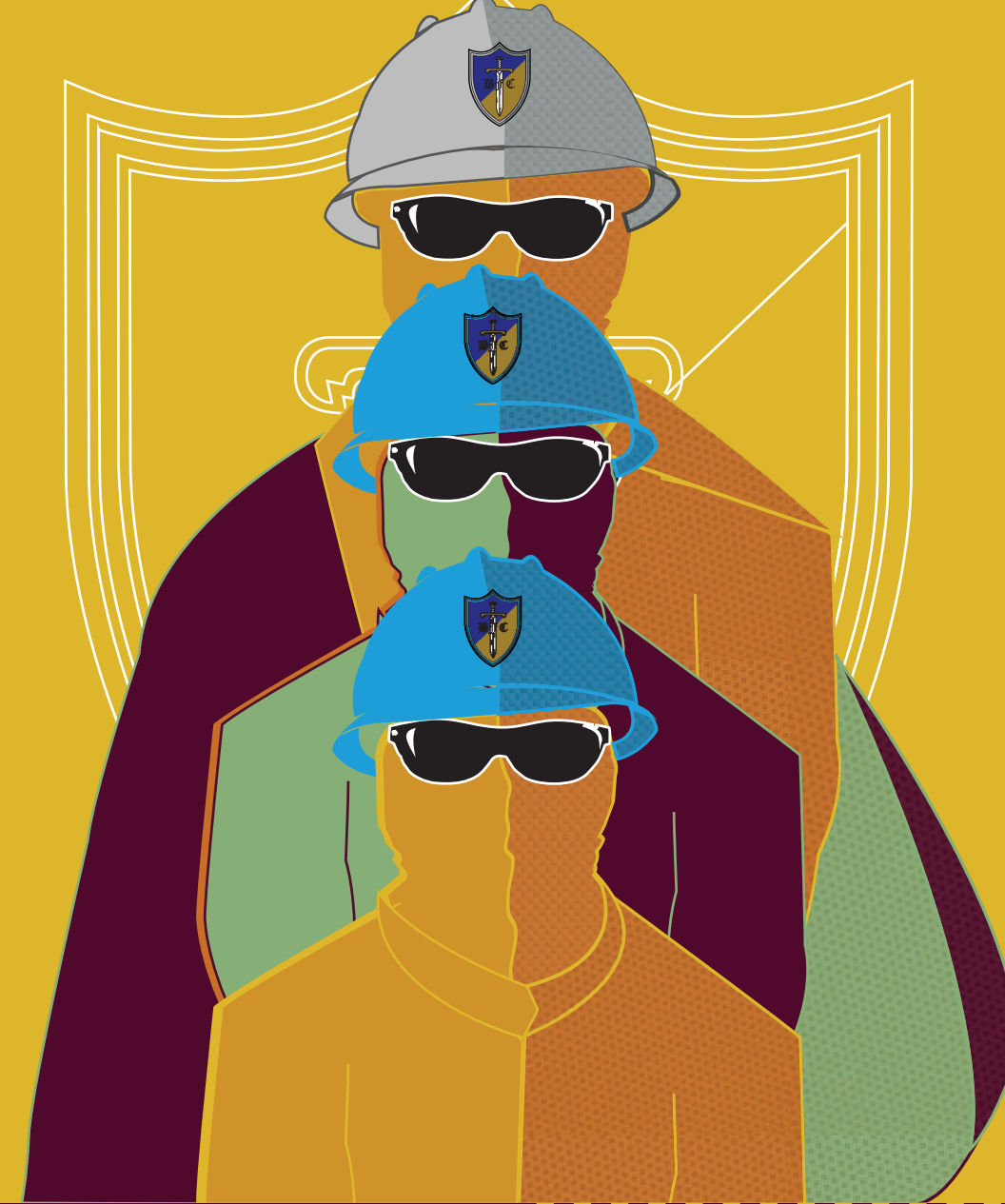
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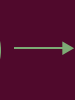
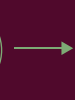
Front Campus

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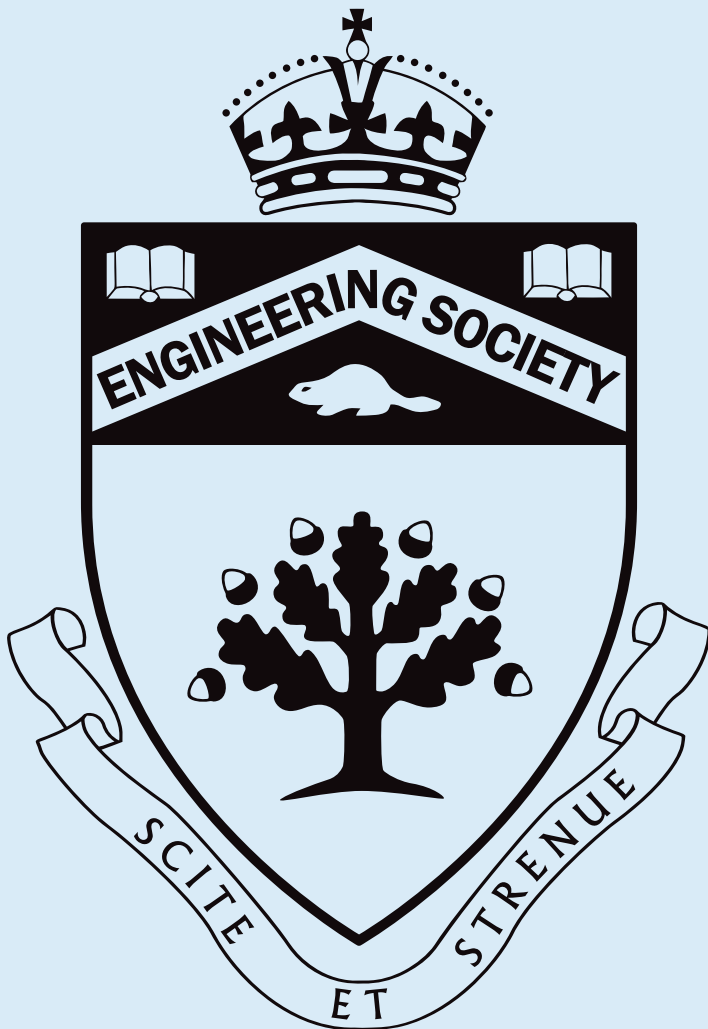


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