U of T Engineering Society Presents:





F!rosh Handbook 1T6

EngSoc



THE FOLLOWING **PREVIEW** HAS BEEN APPROVED FOR ALL U OF T ENGINEERS

BY THE MOTION PICTURE ASSOCIATION OF SKULE™

The opinions, views and cheat codes expressed in this handbook do not necessarily reflect those of the University of Toronto, the Faculty of Applied Science and Engineering, the University of Toronto Engineering Society or Nintendo. The editurd trusts that the contents of this Flrosh Handbook will not be deemed inappropriate or offensive to any person, group of persons or final bosses. However, any smasher wishing to file a complaint in regards to the contents of this publication is welcome to do so, and should address any correspondence to the Office of the President, 12 Hart House Circle, Toronto, Ontario, M5S 1A2.

The images, logos and trademarks contained herein belong to their respective copyright holders whom we have no association with whatsoever...so please don't sue us. If you do decide to sue, we'll be forced to dispatch lawyer Kirby to save our asses, and frankly, he's a terrible litigator.

Numerous cartoon characters were harmed and subsequently smashed off the page during the making of this handbook. Well, what did you expect? This is Super Skule™ Bros, fool!

BY LAW AND ORDER OF THOSE WHOM DO NOT EXIST,
HAVE NEVER EXISTED AND WILL NEVER EXIST,
ALL SMASHERS MUST FOLLOW YE
ENGINEERING CODE OF ETHICS

We, the students of the Faculty of Applied Science and Engineering, by virtue of the privilege of being here, represent SkuleTM 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 opinons 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.





Hello there F!rosh! Welcome to Super Skule™ Bros. 1T6 Adventure Mode!

What's Skule[™] you ask? It is the place where you will be taught and equipped to become a great engineer, or anything that you set your mind to. There are no cheats to pass the stages, but with full concentration (staring at the TV screen, I mean textbook) and help from your Skule[™] mates, you will succeed. But that's not all, Skule[™] It is *THE* place where you will experience the best F!rosh week of you life, make life-long friends, put on the craziest pranks, watch the awesomest sketch comedy/musicals, and be forever proud in being a Skule[™] Engineer. So dive into the Skule[™] community from day one, it will definitely make your years at U of T Skule[™] *EXTRAordinary*!



By the time you start exploring Skule[™] (ie. reading this 129-page-full-of-excitement-handbook), I will be relaxing on the beach laughing away at those days when I banged my head on the keyboard for Adobe Indesign has crashed again without saving my work. Every hour of work (and repeating the same work) was worth it, I had a blast designing and putting together this handbook for you 176s. I hope you enjoy reading it and find it helpful in making the most out of your Skule[™] life.

If you have any questions regarding the contents of this handbook, or if YOU want to take the lead and produce next year's handbook, make sure to check out page 66 and don't hesitate to send me an email at handbook@skule.ca!

Have fun during F!rosh Week and see you around in Skule™!

Fionna Gan F!rosh Handbook Editor-in-Chief 1T2-1T3

CO-EDITURDS

Just as you can't defeat the evil Tabuu without your teammates, without these wonderful co-editors, this handbook could not have happened! Thank you for competing my last minutes requests.. and just being awesome the way you guys are. =P









Sherri Cui: Anytime, anyplace, anywhere. With trouble brewing or laughter in the air! You can count an engineer whose just tough enough. And the song that's alive in the heart of jigglypuff

Shen Wong: Be ready to push your own boundaries to the limit. Step up to the plate 1T6's, it's your F!rosh, make it a memorable one.

Brandon Li: #getwild #winning #matriculation #biwinning #dyestation #HOLY*&\\$ #dontdoit... #totallydoit! #havengerscunt #noclass #nosleep #noregrets #skulelife #saynotoYolo #carpediem #carpedievening #memories #F!roshWeek1T2

Junaid Warani: I learned three things in my first year at Skule™: delta-epsilons, building bridges, that getting involved is awesome, and how to count.



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NUBODY has joined your team!

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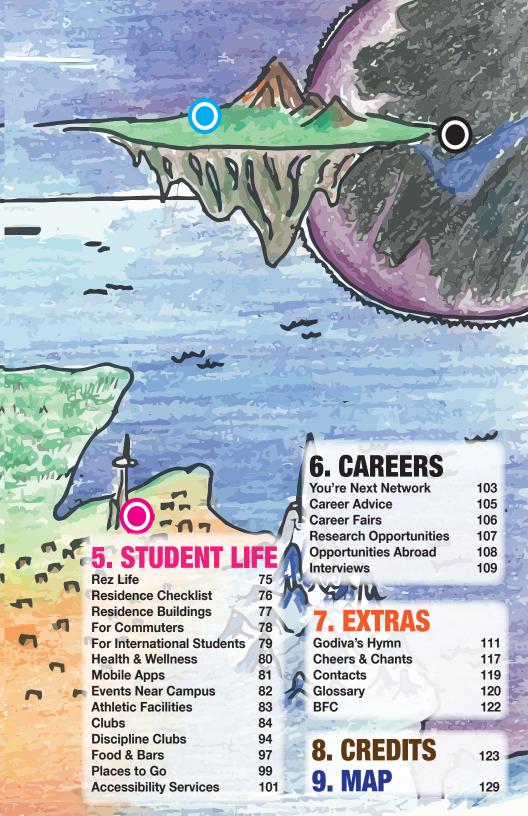
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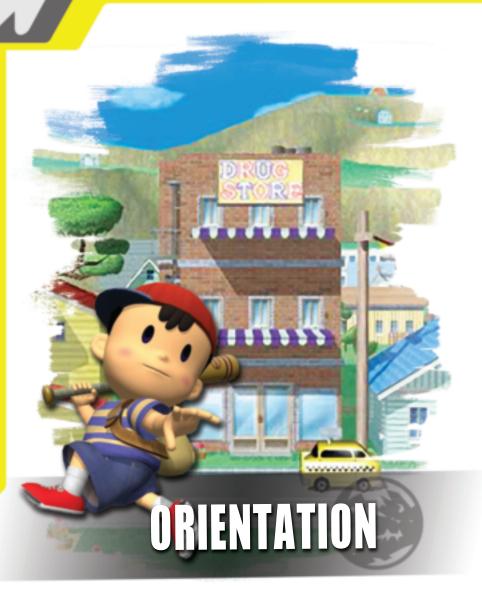
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UNLOCK BY: BUYING A F!ROSH KIT AND PARTICIPATING IN ALL F!ROSH WEEK EVENTS!
HAZARDS: WATCH OUT FOR THE ARTSCIES!

ORIGIN: SKULE*BOUND.



CHAIR'S MESSAGE



Hello Engineers of the Future!



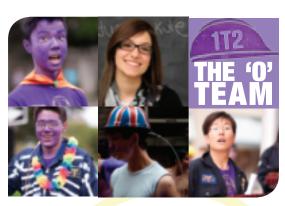
Welcome to the University of Toronto and the Faculty of Applied Science and engineering! You are about to embark on a journey that will last for the next 4 or 5 years of your life and trust me if you come out the same as you were going in, you did it wrong. This is your opportunity to be who you want to be and to accomplish what you never thought you could! So, seize every opportunity and live life to the fullest.

Why should you attend F!rosh Week? Because this is our big welcome party for you. Get excited, get pumped, this week is going to be amazing. You'll meet fellow first years, get familiar with the campus, have the opportunity to speak with upper years, learn our traditions, dye yourself purple, discover Toronto, and have a ton of fun doing it!

This is an event that you don't want to miss. For more information visit orientation.skule.ca. If you have any questions email askorientation@skule.ca! See you September 3rd!!

Maegan Chang Orientation Chair 1T2





Orientation Checklist

What your F!rosh kit includes:

- Your first hard hat!
- A laundry bag
- Two Orientation T-shirts
- Flip flops
- FREE ticket to Skule Nite! (pick up in March)
- FREE ticket to F!rosh Nite (Tuesday @ 7pm)
- Pens, coupons, trinkets, and lots of other Swag

What NOT to bring:

- Expensive electronics (it'll get purple/wet/dirty)
- Anything valuable (SIN card, passport, etc)
- Your parents!

What NOT to wear:

- Expensive clothing (Save it for F!rosh NIte!)
- Excessive clothing (you'll be carrying it around)

What to bring:

- Pre-order receipts for F!rosh kits or money to buy a F!rosh kit
- T-card, health card
- SkuleTM spirit!

What to wear:

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





F!ROSH WEEK SCHEDULE

08:00	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday Sunday
00.00	Arrival & Registration					
09:00		Secondary				
10:00	Matriculation	Education Evaluation				
11:00			Faculty Fun			
				Class :(Class :(
12:00	Campus Tours / Lunch /	F!rosh Olympics / BBQ Lunch		(SUDS!?)	(SUDS!?)	
13:00	Dye Station		Faculty Lunch / UTSU Clubs Fair			
14:00						
15	F!rosh Picture					Hart House Farm
15:00		Engineering Clubs Fair	Charity Buskerfest		UTSU Parade	7 2
16:00	Downtown Walkaround			Blue and Gold Bed Races		
47.00		Skule Nite Improv Challenge	Casey Jones Hypnosis Show			
17:00	Dinner		, ,			
18:00		Discipline Club Dinner	SUDS!			
19:00	Tutorial			D-Battle at SUDS!	UTSU Concert and Afterparty / SUDS!	
19.00				at 3003:		
∞	Varsity Blues Game	F!rosh Nite	Havenger Scunt			



F!rosh Week

Faculty Event

UTSU Event

Note: SUDS, our student-run pub, is open all day, every day during F!rosh week.

F!ROSH WEEK EVENTS



Matriculation

To be well equipped for the epic week ahead, you must first purchase your F!rosh kit. After this is done, you will join with your F!rosh group to be introduced to leaders of student life at SkuleTM and, to take a sacred oath with your hardhat.

Campus Tour

This is when leedurs will help guide you through your new "home". Before the tour begins, you will be offered the honourable opportunity of taking the purple plunge and wearing engineering pride on your skin. As you walk through campus, keep your eyes peeled for artsci's, who will stop at nothing to obtain your beloved hardhats. Arriving at Front Campus, a picture of the entire F!rosh class is taken. The shape you formed on the field will be revealed to you in the Skulebook.

Downtown Walkaround

Tired of walking? Well you're not done yet! This is your chance to pick up those feet and explore the wondrous city of Toronto in which our humble Skule™ resides. Navigate through the core of downtown 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 signature event of F!rosh Week and one you won't want to miss! Seriously, you will not regret it!

Tutorial

Two months of summer can (surprisingly!) erase a lot from your memory. Attend a tutorial to brush up your high school knowledge before tomorrow morning's Secondary Education Evaluation!

Varsity Blues Game

After a long, fruitful day of running rampant around campus and Toronto, it's time to sit back and leave the physical exertion up to our U of T varsity athletes. Come out and cheer our Football team on!

Secondary Education Evaluation

You were recruited as F!rosh because you are the best. Now, you must prove it. You will be thoroughly tested on your knowledge of english, math, physics, and chemistry. This test will not affect your academic standing; however it will help assess the strength of your educational background and provides an idea of academic expectations. It is highly recommended that you attend the test, as well as the prep tutorial the day before.





F!ROSH WEEK EVENTS



F!rosh Olympics

Show that you are strong not only in the mind, but also in the body. F!rosh groups will compete to demonstrate their superior intelligence, agility, and strength. The power is in your hands (and feet).

Engineering Clubs Fair

Worried that becoming an engineer means all work no play? Not here at SkuleTM! With 70+ clubs run by engineering students, there is no excuse to not do what you love, whether it's photography,

sports, cultural groups or more. What's even better is that our clubs accommodate the rigorous engineering course load, meaning these clubs are made for you. Read about some of the clubs on page 84 and Come out and see what Skule™ has to offer you!

Discipline Club Dinner

Discipline Člubs (student councils for your discipline) are a quick way to get to know upper years in your program. Come out to this event and enjoy an opportunity to play some games, discuss your favourite Star Wars character, and get some one-on-one tips and hints that will increase your chances of surviving the First-Year Battle.

F!rosh Nite

Time for you to boogey on down to the nightclub. Go ahead, show off your moon walk and unleash your repertoire of gravity defying dance moves. The more the merrier! And so, you will be joined by F!rosh from universities and colleges all over Toronto. Set aside any feuds, for on this night your only challenger is the dance floor.



Havenger Scunt

Similar to a scavenger hunt, you will get together with other fledglings and form clans (or groups). Your speed and synchronization skills are key factors in determining your clan's victory. Of course, there are prizes.

Faculty Fun

Think what all Professors do is think about engineering? Definitely not! Enjoy some time meeting Professors and other staff members in a variety of events! You could even challenge them to video game tournaments!

Department Introduction

Want to find out more about your department? Want to know what some of your Professors are researching? Want to know why your department is the best? Come out to the Department Introduction where the Chair of the department will greet you! While you're at it, make sure you attack their yummy food!



F!ROSH WEEK EVENTS



Charity Buskerfest

Both fun and for a good cause, this event will challenge the creativity of your genetically-enhanced minds to raise money for charity. Play an instrument, tape yourself to a traffic light, reenact a scene from "Star Wars episode III - Revenge of the Sith"; do whatever it takes to get the money (legally, of course).

Casey St Jones Hypnosis Show

An absolutely unreal event! It's mind-blasting, exciting, amusing and hilarious! One show you cannot miss!



D-Battle

Wanna see people break dance? Can you break dance? Would you like to watch/participate? Come out to SUDS to watch the Dance Battle! You will find slick moves, some poppin' and some lockin' from all participants!



Blue and Gold Bed Races

Here you will show off your spacecraft piloting skills to the other fledglings in a dangerous high-velocity intergalactic race! However, due to safety regulations, you will race by dragging a bed around front campus instead.

UTSU Parade/Concert/ Afterparty

Roll around campus with the rest of U of T to create unity at U of T and enjoy a free concert hosted by your University of Toronto Students' Union!

Word on the street

there will be a big artist coming to U of T this year! There's also an after party at the Guvernment Nightclub too!

Hart House Farm

To end off F!rosh week, 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 partake in some BEvERages. This amping trip costs extra, but it's well worth it!





F!ROSH WEEK FAQ

WHY SHOULD I GO TO F!ROSH WEEK?

The better question to ask should be, "Why shouldn't I go to F!rosh Week?". [There is no (acceptable) answer!] It's a great opportunity to familiarize yourself with the place you will be spending the next couple years. You will meet your new faculty, your professors and your classmates. You'll also get familiar with the campus so you won't get (too) lost on your first week of classes. Most importantly, you will have an incredibly great time! So go sign up for your F!rosh kit as soon as you can!

WHY DO I HAVE TO BUY A F!ROSH KIT? WHAT'S IN IT?

Your purchase of a kit allows us to pay for all the fun activities you will experience throughout the entire week. By ordering one, you will have access to all the events and a lot of free s and discounted tuff such as your hardhat, free tickets to F!rosh Nite and Skule Nite and much, much more!

HOW BIG ARE F!ROSH GROUPS? WHAT'S A 'LEEDUR'?

Group sizes vary from 40 to 70+ people depending on the size of the incoming class. Each group will be led by two 'Head Leedurs' who will be with you for every activity during the week. They will be supported by a cast of 'Leedurs' who are there to help carry out activities and have fun with you. They're all friendly upper years, so feel free to ask them any questions about Skule™ or just have a nice conversation with them!

WHAT'S WITH THIS PURPLE DYE BUSINESS?

You'll read more about why on page 22, but when you do voluntarily dye yourself purple, prepare to get everything in close proximity to you purple. Depending on how long you dip yourself, your skin will stay purple for one to ten days and even longer for your nails. Therefore, don't wear anything you absolutely don't want to get purple!

I'M A COMMUTER, I CAN'T STAY LATE.

Sure, you may be in the unfortunate situation of limiting your enjoyment of F!rosh Week within the operation hours of public transit, but we've got you covered! Sign up for the Commuter Program! This is pretty much residence for commuters during F!rosh Week, so you can stay near the University and enjoy the week to its fullest! No need to worry when the last train/bus leaves and you will definitely get to meet a LOT more people.

TIPS FOR THE SECONDARY EDUCATION EVALUATION?

Even though it will not affect your marks in University, it would be pretty wise that you take this opportunity to review some all of the high school content you have forgotten during the summer. The content of the test is based on the Faculty's expectations of what your academic proficiency should be for you to do well in first year.

WHAT'S HART HOUSE FARM? WHY PAY EXTRA?

An hour away from Toronto, HHF is a nice way to cap off F!rosh Week, where you can relax and unwind for one last time before school begins. It's basically a campground where you are able to engage in all sorts of activities with the new friends you've made. Don't miss it!



CHARACTER SELECTION



STRENGTHS: Embarrassing male engineers, titrating

WEAKNESSES: Plant Design, Second year, simple circuits (have fun in CHE113)

BIO: Prospective Chems, get ready for exciting days filled with sixhour labs! Yes, Chem Eng is a world of un-ending work and countless women. 'Wait, what?' you ask? Well, Chem boasts the highest girl:guy ratio in the faculty. In fact, Princess Peach has been combusting male engineers since before the Nintendo Gamecube. So gentlemen, prepare to fight off hordes of Mechs if you want to keep the dating pool undiluted. And ladies, prepare to fight off hordes of female Mech Civ EngSci MSE Indy Min Comp Elec...nevermind.

FINAL SMASH: Caffeinate

STRENGTHS: Simple math, construction sites, infrastructure porn **WEAKNESSES:** Real math, uniformly distributed loads, resonance, extreme winds, earthquakes

BIO: As with the Bowser, the Civil Engineers' main strength is erecting massive concrete erections (you know, castles). Unfortunately, at any sign of calculus, and truss me when I say this, the Civ's brain will buckle due to shear stress overload. But really, with erections as impressive as their's, who cares if they can't integrate?

FINAL SMASH: Rigid Members Bearing Massive Loads





STRENGTHS: C, C++, Java, Python, SQL, Ruby, PHP, Javascript, awkwardness

WEAKNESSES: Taps, faucets, showers, sprinklers, soap, hygiene in general

BIO: Very few share the Computer Engineer's unnatural affinity for binary. Yes, Comps strive to understand that which is inexplicably complicated and confusing. And I don't mean women—they haven't gotten very far there. Come to think of it, their natural fear of shower-induced short-circuiting probably has something to do with that.

FINAL SMASH: ReCurse

STRENGTHS: Circuits, having a dirty common room, magnets WEAKNESS: Wasting time on Starcraft/DoTA, E&M, Quantum BIO: Electrical engineers often travel in packs, and are rarely territorial. However, when threatened, a group can generate an intense electrical offense, in the form of DoTA quips and lighting-fast APM (look it up, non-Elecs). Found mostly near outlets, Elecs have mastery over all things electric, conducting bolts of power and lightning at will. Be careful though, with great power comes great current squared times resistance. On a serious note, Elec is one of the more challenging disciplines, so remember: resistance is futile.

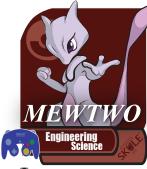
FINAL SMASH: Thunder and blowing up all the circuits







CHARACTER SELECTION



STRENGTHS: differential equations, all-nighters, dropping out **WEAKNESSES:** CIV102, socializing, delta epsilon proofs, practical application

BIO: It takes a rare—some would say legendary—type of psychic ability to tackle Engsci life. Indeed, very few deem it a good idea to attempt this four-year torture program. Like Mewtwo, Engscis are scarcely found in the wild (which is to say socializing on campus), often sleeping in their common room

or pondering the meaning of Praxis instead. Sadly, neither of those things will keep the Engscis from dropping out and KOing your bell curves.

FINAL SMASH: Staying awake for weeks





STRENGTHS: Frying bacon, using ergonomic gadgets, optimizing everything

WEAKNESSES: Poorly designed technology, getting a job anywhere other than McDonalds

BIO: Indy's are a user-friendly bunch. They will often try to impress you with nifty engineering gadgets that use "human factors", "optimizing backward overflow" and "ergonomics". Don't be fooled though, Indy's end up taking artsie-like course loads, resulting in an abundance of free time for reddit and applying to McDonalds.

FINAL SMASH: Deep fry—their most hireable trait

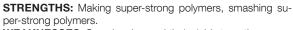


STRENGTHS: Building and racing super-fast hover cars, simple machines, testosterone

WEAKNESSES: Dynamics, Chem girls

BIO: Mechs are the most bravado of the disciplines, and will never back down from a challenge, be it a BEvERage chugging contest, arm wrestling competition, or MIE100. They choose to spend most of their time playing foosball in the common room or fruitlessly attempting to hit on Chems. Their numbers will rise significantly once the TrackOne and Engsci cohorts begin their annual migration to the land of Mech - but unfortunately, the number of girls will not.

FINAL SMASH: Falcon Punch - blow enemies away with your ability to harness raw kinetic energy



WEAKNESSES: Smashes beyond their yield strength.

BIO: A Materials Science Engineer (MSE) is a jack of all trades. Using their widespread knowledge, they manipulate polymers for impressive yield strengths, research opportunities, and unemployment. Samus shoots missiles like the Mechs, works with steel-plating like the Civs, and throws slumber parties as well as any of the Chems.

FINAL SMASH: Carbon Nanotube



CHARACTER SELECTION



STRENGTHS: Pulling stuff out of the ground, reading maps **WEAKNESSES:** Shiny rocks, unfavourable topography, groups larger than 8

BIO: Like lonely little Olimar, nobody chooses Min, despite promising career options, ridiculous starting salaries, and competitive playability. Mins tend to excel at rock identification, reading maps, and living in the middle of nowhere. Oh, and they're unrivalled in the Smash universe at pulling things out of the ground. Sexii. amirite?

FINAL SMASH: Deep shaft - to get gold mines



STRENGTHS: Using other disciplines' powers, eating free lunches, being cute

WEAKNESSES: Making decisions, long term planning

BIO: TrackOne's love to inhale a little bit of everything when it comes to SkuleTM, including all those free faculty lunches. They can always be found lingering about, unable to make even the smallest of decisions. After first year, they'll choose the best-tasting discipline to continue on into (which, let's be honest, won't be Engsci).

FINAL SMASH: Kirby's Magical Pot of Uncertainty



STRENGTHS: Singing, sleeping, not doing work, reciting poetry, herp-derpin'

WEAKNESSES: Being useful, getting a job

BIO: The arts and science student (artsie, pronounced art-see), is the engineer's anti-thesis. By your first midterm, you will have done more work than they will do throughout the rest of their undergrad and post grad careers. As such, they will have plenty of time for sleeping and Tuesday-morning inebriation. Unfortunately, as an engineer, you will have none of these things. But do not fear! There is light at the end of the dark, dark tunnel. It's called, a job! The artsies will eventually realize you can't put "sleeping" on a resume.

FINAL SMASH: Rest - to recover from excess alcohol consumption





HARDHAT DESCRIPTIONS

The Engineering Society and other Skule[™] groups provide specially coloured hardhats to individuals that fulfil 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

All F!rosh are issued a yellow hardhat just for attending F!rosh Week! You'll take an oath on it, and then wear it proudly during the week, but beware – artsies will try to steal your hardhat because it's on their scavenger hunt list. If your hardhat is stolen by someone, yell "HARDHAT" as loud as possible and watch the upper-year students converge on that unfortunate individual.



Engineering Society (EngSoc)

WHITE – GOVERNANCE

These hardhats are worn by the Officers of the Engineering Society (the executives of your student government) and the Discipline Club Chairs. They

have a high-level role in establishing and maintaining the direction of the Society and our Discipline Clubs.

*Note that the EngSoc President's hardhat is actually a fireman's hat.

GREEN - PROJECTS

People with green hardhats carry out tasks and projects for the Engineering Society, including a discount textbook store, a cafeteria, a student-run pub,2 newspapers, a yearbook, a career fair, high school outreach events, and F!rosh Week!

ORANGE - REPRESENTATIVES

Orange hardhats are awarded to your elected representatives on various boards and councils. These people speak on your behalf to various groups within and outside of EngSoc.

Talk to these people to find out how to become involved in deprocesses and student governance at EngSoc, the Faculty, and the University!



- 1. The Engineering Society Board of Directors
- 2. Class Representatives (represent you to EngSoc, the Faculty, and Discipline Club)
- 3. EngSoc's Year Chairs
- 4. UTSU Engineering Directors
- 5. Governing Council Representative for full-time professional faculty students, if they're an engineering student (represent you on the University's highest decision-making body)



HARDHAT DESCRIPTIONS

SkuleTM Trinity

HIGH-VISIBILITY ORANGE - BNAD LEEDURS

"Leedurs" of the Lady Godiva Memorial Bnad get the only "high-visibility" hardhats at Skule™. The Bnad brings enthusiasm to Skule™ events while trying to play music. Joining the Bnad is a great way to meet insane involved people at Skule™, and they'll welcome you, especially even if you don't play an instrument!



BLACK - THE CANNON GUARD

Sworn protectors of Ye Olde Mighty Skule™ Cannon, our glorious mascot, wear black hardhats. They can be seen Honouring, Respecting and Protecting our cannon during Skule™ events. Get involved in Skule™ life, and one day, you may find yourself among them!



SILVER, DARK BLUE, LIGHT BLUE - ???

These hardhats do not exist, have never existed and will never exist. You might see them By Forced Concentration, but they're mostly figments of your imagination.



Other

RED - SKULENITE

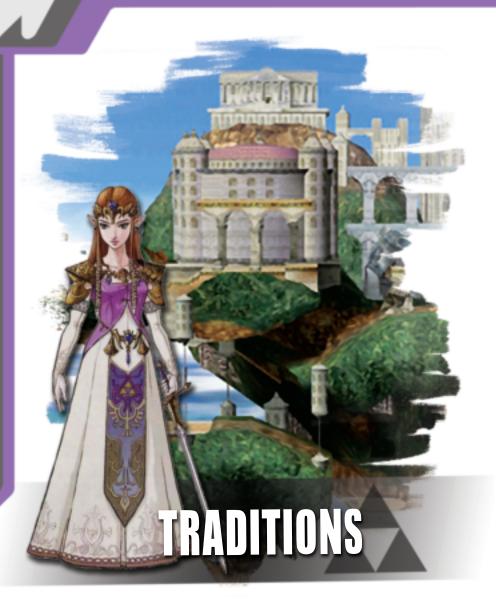
Directors and Producers of the annual engineering musical comedy revue, SkuleNite, get red hardhats. You get a free ticket to SkuleNite just by purchasing a Flrosh kit! Go see it in March!



BLUE AND GOLD - MR. BLUE AND GOLD AND GODIVA'S CROWN

Hardhats bearing our Skule™ colours are awarded to the winners of Mr. Blue and Gold and Godiva's Crown, two Godiva Week competitions. Mr. Blue and Gold is obliged to drop his pants on command, the winner of Godiva's Crown must gallop upon hearing "Godiva!"





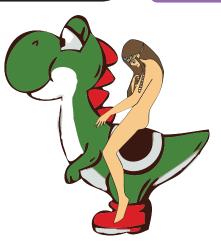
UNLOCK BY: SINGING GODIVA'S HYMN 5 TIMES. HAZARDS: GUARD THE CANNON, BE AWARE OF ARTSIES! NOTES:FROM THE LEGEND OF GODIVA SERIES.



LADY GODIVA & IRON RING A

Lady Godiva of Coventry is the Patron Saint and symbol of Engineering. Her story dates back to the 11th century when Lord Leofric governed over the city. The people of the city were suffering horribly under his oppressive taxation. His wife, Lady Godiva, fought for their rights. Again and again she appealed to her husband to lower the taxes and finally he agreed to grant her request only if she rode through town naked on a horse. She took him to his word and rode through town, clothed only in her long hair. The villagers, out of respect for what she was doing, all averted their eyes. Lord Leofric kept true to his word and lowered the taxes.

Thus, we honour and sing about Lady Godiva because she represents the heart of engineering: a willingness to sacrifice anything to ensure that the lives of others are better. It is our duty to uphold this and be the change we want to see.



Iron Ring



After four (or more) years, upon graduation, engineers in Canada are presented with an Iron Ring. The ring is said to be made from the iron of the Quebec Bridge that collapsed during construction in 1907 and killed 75 construction workers. Reconstruction began in 1916 but the bridge collapsed again. Upon further inspection by a U of T professor, John Galbraith, it was noted that there were major flaws in the engineering plans for the bridge.

In the wake of these disasters, our very own Prof. Haultain spoke in 1922 to seven past presidents of the Engineering Institute of Canada. He urged that young engineers must be reminded that being an engineer brings with it great responsibility and a deep moral obligation to society for the things they create.

Thus, with the help of Rudyard Kipling, a British poet, the ceremony, "The Ritual of the Calling of an Engineer" was born. During the ceremony, the Iron Rings are given to all engineers who possess high professionalism and humility in their engineering professions.

The ritual continues to this day as it not only identifies someone as an engineer, but it reminds us of the high moral standard to which we must hold ourselves as engineers and the importance of humility in all our work. The ring is worn on the pinky of the dominant hand, it marks the page whenever engineers sign off projects, it acts as a constant reminder of the tragedy of the Quebec bridge and that we as engineers can save or destroy.



SKULETM TIMELI

- 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 Schoolhouse: The Northern Third Engineering Building was built at U of T to house SPS. Affectionately known as the Little Red Schoolhouse, 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 Schoolhouse: 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 Skule™ Nite: Ngynyrs in SPaSms has its first showing at Massey Hall on March 2. It would later go through several names and eventually become Skule™ Nite, 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 wasni'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.

SKULETM TIMELINE



1966 - End of an Era: The Little Red Schoolhouse, 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 SkuleTM.

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 blemist with this broad 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 Disrupto 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.

2012 - Class of 1T6: What are you guys going to add to the list?

YE OLDE MIGHTY SKULE™ CANNON

The campus quakes and the artsies tremble. 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 SkuleTM Cannon and it is YOUR engineering mascot.

The SkuleTM Cannon was officially adopted as our mascot in 1929 when the large cannons outside of Hart House were fired. In the early 1930s, a smaller Cannon began to appear at important engineering events, fire, and quickly disappear. This tradition has continued for over 80 years and today a total of seven SkuleTM Cannons are in existence.

As the might and glory of the Cannon has grown, so to 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 Thave, on very rare occasion, 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.

Every member of our schools engineering society is a member of the Cannon Guard, and great lengths are taken to ensure its safety. As you become a part of our engineering society, you will undoubtedly encounter The Cannon and witness its unbridled might on many occasions. If you show both spirit and dedication, you too will one day guard The Cannon and help to forge the destiny of Ye Olde Mighty Skule $^{\text{TM}}$ Cannon.

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. The Cannon is YOUR mascot.

Honour It. Respect It. Protect It.

Chief Attiliator 2011-2012 kaboom@skule.ca

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BRIEF HISTORY

- 1929 An engineering caper resulted in the firing of one of the two cannons in front of Hart House (unfortunately, both were supposed to fire).
- 1931 A small cannon began to appear during Skule[™] festivities, was fired, and then mysteriously disappeared.
- 1936 The construction of a new cannon began. This would be a tribute to engineering technology as it was not just a horrifying weapon; it also didn't look like a cannon at all! Of course, it's worth and pride created adoration and temptation for everyone, especially outsiders.
- 1941 University College stole The Cannon and thus a war begun! After a thorough campaign of threats printed in the campus newspapers, UC planned to return it; but before they could, conniving engineers found its hiding place, and it was liberated back into the rightful hands of the engineers.
- 1959 The Cannon disappeared into the meds' building. In retaliotion, 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 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.
- 1972 The first Gang Bang with the Rye engineers to decide who had the better cannon. Not only did we annihilate them in the contest, we also made off with the distributor wire to their bus.
- 1976 Robert Gilmour (the CA at the time) defaced our mighty mascot by engraving his name into the bottom. The Engineering Society passed Wa motion of censure against him and the entire deed was exposed in the Toike. The Cannon Guards would henceforth wear black hard hats, in place of the traditional red ones, to signify the shame of his actions.
- 1989 The 60th anniversary of the engineers' association with The Cannon; the guard was outfitted with new uniforms (black coveralls and black hardhats).

1997 - The Hart House porter prevented the Chief Attiliator, Drago Banovic, from firing The Cannon at Hart House. For those not familiar with the three rules of The Cannon: Nobody touches The Cannon, nobody touches The Chief, and nothing gets in our way! Seeing the safety of The Cannon at risk, all the engineers present, INCLUDING those who were not dressed as Cannon Guards, stepped forward to protect The Cannon. The Cannon was kept safe because of the help of fellow Skulemates. Do not forget, EVERY Skule™ engineer has a responsibility to protect The Cannon.

As you can see, the history of love, loss, pride, and war has earned the The Mighty Skule™ Cannon the title of our beloved mascot. The Chief Attiliator is responsible for the selection of the Cannon Guards, the firing of The Cannon and the protection of The Cannon.



2.0 TRADITIONS



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, er 🗆 & M □M #5•#H■1/0= brad stalking, impostor brad mocking, Gradball shocking. Con Hall rocking, Scavenger Frunt jocking, Charlot Race clocking, United Way walking, Speakers Corner talking, hockey game socking; Be machine (Ming, 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, Will take-OVER CONSPIRING, instrument acquiring, tear inspiring, introduction is tiring: Seven year old Scotch decanting, ALL TOP ALL THE TIME Vanier Cup rejectin', premium beer selectin', Godiva resurrectin', mascot collectin', tastes good with pectin; WHEEL OF FORTUNE SPINNING, stereo winning: Swiss Chalet eating, Santa Claus greeting, Atrium meeting, SAVAST BROS BEATING MAD MITCERATION Nathan Phillips skating, Aramark hating, TRIPLE X RATING; Yonge St. cruising, Varsity Bluesing, music abusing, ear drum bruising, Blue Say enthusing, Iron Ring perusing, Hart House Farm carousing, Rum & Coke John K. Hall knowing, chair throwing, money owing, stolen toite stowing. Should I keep going!?!? Gamecube playing, Trogdor slaying, ARTSIE LAYING, fine paying; police esconting, 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, five bell searing; Pride Parade priding, traffic abiding, trombone sliding, mustache riding; Queens Golden showering, Sourpuss souring, GİN DEVOURING, of! deflowering; RMBAL HALING mascot assaulting, beverage malting, ARTSIE INSULTING; CN Tower, Skydome, Eaton Centre, Pratt Building, Four Seasons, Innis Gende, Scarborough RT. BAHEN CENTRE FOR INFORMATION TECHNOLOGY, Ontario University Fair, Variety Stadium, SKULENILE, 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 ahll 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 cluhn too joyn; their arr absohlootly noe comitmints rechoired, soh yoo juszt sho up aynd hav phun! Weev goht ahll dee instruhments yull ehvar kned (trumpits, trombonez, floots, sexyphones, aynd muhch muhch mohr!) aynd wee garantee yoov goht awll da talunt yooll evur kneed!

Wee attend krash tun uv uhvents dooring thuh yeer! Bassketbawll gaymez, ruhgbee champeeonshyps, charutee uhvents, paraids, wyhne & cheeses, ceruhmonees, aynd futbawll lossess awll pheel owr 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 announcemints during F!rosh Week aynd throo-owe thuh entire yeer!

"...will sing and play for food and BEvERages..."



Mauricio Curbelo Bnad Leedur

Adam Fontana D(r)umb Majur(k)

Maya Zhang Joonyur Bnad Leedur

lgmb.skule.ca

CHALLENGER APPROACHING



AISRUPTO ERGO SUM



PURPLE DYE& ENG. FASHION



The legends say it was the glorious era of the mighty British Royal Navy. Her Majesty's Ships were being set out to explore, conquer and claim exotic lands at the far ends of the Earth. The Royal Engineering Corps worked from dawn till dusk to keep Her Majesty's ships in good condition. To identify themselves as engineers, each officer proudly wore a bright purple patch on his right arm, just below the shoulder. Alas, the sweat, grime and bilde water in the engineers' work environment resulted in a hefty portion of the bright purple dye from the badge transferring onto their skin. This allowed engineers to proudly wear the colourful mark of their profession, with or without uniform.

Royal engineers would often sacrifice their lives and go down with the ships in a valiant attempt to slow down the sinking process so that more people might survive. As a badge of honour and respect, and more importantly, in memory of all the honourable men and women who have gone before us, we temporarily mark ourselves with the colour that expresses our pride in our history: purple. Dyeing yourself during F!rosh week is not mandatory, but it does show Skule™ spirit! If colouring your whole body is a bit too crazy for you, consider dyeing only a portion of your body (e.g. an arm, a leg, etc...). Expect to remain purple for a few days (depending on your washing habits).

Coveralls

Coveralls are your affordable, unofficial Skule™ uniform. They're \$45, comfy, always in style and handy to wear when you need to get down n' dirty. Don't believe us? Ask Mario! Unfortunately for F!rosh, you can't own one until you master the battles and survive first year. Once you get them however, customize them with cool patches and wear it to all Skule™ events and gain fame!

Leather Jackets



F!ROSH CANNOT OWN LEATHER JACKETS. Why is this so? Well, young challenger, you can't unlock things for free. Engineering leather iackets are a honourable trophy obtained by those elite fighters who have survived (and thrived) through the self-induced suffering we call "engineering." Engineering Stores will sell you a jacket all right, but you'll be relentlessly mocked and laughed at by your Skulemates if you wear it. Nobody respects someone who skips the bonus stage. However, once you have earned the right to wear a jacket, go get sized, customize the lettering and patches, place your order, and voila - everyone will look at

you thinking "Here comes a new challenger!" Be warned though, these leather jackets will crush your wallet like a slap from Masterhand, as they are around \$500 (but they're well worth it).

Hardhat Decoration

After a couple months of keeping it hidden from all those artsies, be sure to take it out of your dresser and decorate it! Past ideas include: a remote control car, Ye Olde Mighty Skule™ Cannon replica, potato cannon, electric car closed circuit, koopa shell, Spartan helmet, firebell, samurai helmet, working coffee maker, foosball table, binoculars, full blown speaker system, space



shuttle launch pad, fully functional flamethrower and jester's cap. Show us what you're made of and bring the greatest hardhat in the history of F!roshkind at the Hardhat competition during Godiva Week! DO NOT FORGET to put a chain on your hardhat so you can stop the artsies from stealing it!!!

THE SKULETM HIERARCHY

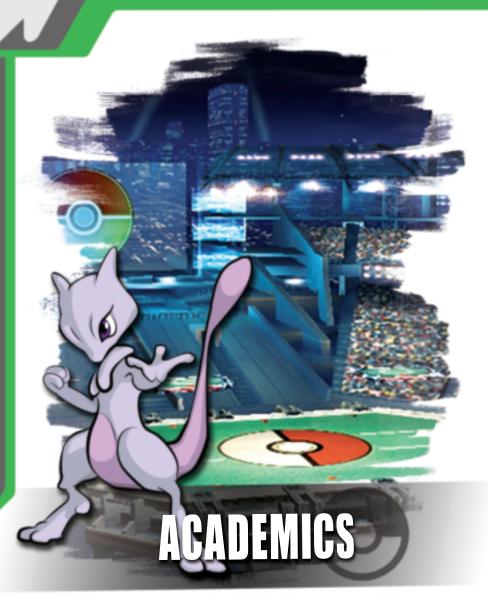
Sooner or later, you may find yourself thrust into battle - defending the honour of Skule™. In a situation where other faculties and universities are present, feebleminded artsies and their ill often attempt to snatch some of Skule's great strength by means of attack. So that you will be prepared, the handbook presents...

THE SKULETH 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™ banger is not present, then the Engineering flag comes first. The Bnad also need protection, for it is indeed difficult to beat off (?) attackers 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...

Good luck!



UNLOCK BY: PULLING AN ALL-NIGHTER IN YOUR DISCIPLINE COMMON ROOM

HAZARDS: AVOID DOTA AND FOOSBALL AT ALL TIMES!

ORIGIN: FROM THE WORLD OF SKULÉDEX. THE STAGE WILL TRANSFORM INTO VARIOUS ENVIRONS OVER THE COURSE OF THE MATCH, INCLUDING ELECTRICAL, CHEMICAL, CIVIL, MECHANICAL AND MINERAL AREAS AS WELL AS OTHERS.





PRE-CLASS CHECKLIST



As your first lecture approaches, you should make sure you've stocked up on several essential items to last you through your first Skule™ year. Below is a list of items that you should have access to somehow...

- + Loads of **lined paper**, don't forget you can get FREE one-sided paper in all ECF labs, go green!
- + Pens to write with. Some professors recommend them as a confidence booster during math problems, since you cannot erase the ink.
- + A faculty-approved calculator: **Sharp 520W or 520X**, **TI-30** or **Casio 260**. Most go with the Sharp 520.
- + Your **Skule™** clipboard, which you'll get in your F!rosh Kit. You can also buy one at the Engineering Stores in SF Atrium.
- + Your most updated **schedule** on ROSI and know the locations of all your classrooms! Don't just follow your classmates and assume they know where they're going. They are f!rosh, too.
- + Binders or notebooks to keep your notes organized (if you take notes...which you should).
- + A soft and puffy **knapsack** that you can use as pillow to fall asleep on during lectures. Try not to carry too much stuff around. Consider renting a locker from the Engineering Society if you're a commuter.
- + Your free copy of the Skule™ planner, which you can get at the Engineering Society office
- + T-card you'll need to bring this to midterms and exams for ID purposes. Oh, and you should have your student number memorized.
- **+ Course textbooks**, from the Engineering Stores, Discount Bookstore, or U of T bookstore. You can also find these at Discipline Club "smokers", and buy them from upper-years.
- + A computer that you can do your programming assignment on, in case everyone in the ECF lab is playing DotA.
- + iClicker for Engineering Strategies and Practice lectures. An iClicker is a \$40 remote with 5 buttons, used for the purposes of taking attendance and separating you from your money.

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- + A **mobile phone**. Also needed to contact teammates for Engineering Strategies and Practice / Praxis I & II & III & ... ∞ (the course doesn't follow you but the metrics stay in your head forever).
- **+ Engineering notebook** you'll have to buy one for APS111 and APS112, where you can keep track of your ideas and take notes during client meetings (not intimidating at all!).
- + Lunch and/or dinner and/or breakfast, depending on if Praxis RFP or CIV bridge is due next day, and make sure it's substantial and healthy.
- + Enough Skule™ spirit from F!rosh Week to last you all the way to Godiva Week (see pg 72)!
- + A water bottle that won't leak, unlike the ones from the UTSU.
- + A continuous source of **food** regularly prepare food for yourself and eat at regular intervals. And don't rely on campus food trucks for nutrition.
- + A continuous source of **cash** Save money by cooking your own food.
- + Tylenol/Advil and other rapid pain relief drugs in case your headache is preventing you from paying attention.
- + Directions to the First Year's Office and Registrar's Office.
- + Humour, but some profs will have plenty to share with you.





TIPS FOR SUCCESS



Don't obsess over grades! Know when they matter

You are attending university to get a good education, not a perfect report card. It's normal for your grades to drop, so don't get discouraged if it does. Don't depend on a mark adjustment to pass; always strive to do your best!

Study smart and do your homework

Don't leave everything until the last minute. Give yourself enough time to learn properly. Practice, practice, practice! Solving problems is a great way to prepare for tests and exams! Check out **courses.skule.ca** for past emas, midterms and problem sets.

Attend lectures and tutorials

Many concepts on your quizzes/exams will be covered during lectures and reinforced during tutorials. You are free to attend other tutorial sections if there is no timetable conflict, but you must remember your assigned tutorial section, you will need to write the section number on exams ans quizzes. Oh, did I mention that you will have weekly quizzes for marks during your tutorials?

Ask questions when you don't understand and get help

Don't be afraid. Do it in class. Do it in tutorials. Remember, no question is a stupid question! You might ask stupid questions, but it's way more important that you understand the concepts. Professors and TAs are there for you, so don't be afraid to consult them during their office hours or send them an email. They will be happy to answer your questions if you ask politely! Get a tutor to go over the concepts that you don't understand. **tutors.skule.ca** is great for that.

Slack off when you need to

Learn to relax when you need to, and come back to your work later with full concentration! Don't try to do homework while smashing your way through the last battle. Just remember to plan your time wisely and give yourself enough time to finish your work.

Eat healthy, stay active, and get enough sleep

Eating healthy nourishes your body and mind and helps you think. Don't skip meals during the day thinking you'll save time or money; your health is way more important than grades! Being physically active can provide you with more energy and concentration. Never try to study when you're dead tired! You will only drag out the amount of time needed to finish your work.

Join extracurricular activities

Get involved outside of class! Get involved outside of school! Don't be tied down to academics all day. Being involved can create a tighter schedule, but your days will feel more fun, productive and accomplished! A large part of your university experience will be about the people you meet and the things you do outside of studying.

Finally, remember...

Learn to adapt to university life and find your own path to success. Don't be discouraged if things don't go your way at first, or if other people seem to be doing a lot better than you without much effort. To truthful to yourself and learn to identify and address any problems quickly, and work hard to become successful!





TIMETABLE GUIDE



About one month before your classes begin, you will be able to access your personal timetable on the Repository of Student Information (ROSI), at **www.rosi.utoronto.ca**. The first line of each box is the course code, the second line is the section code, the third line is the time, and the last line is the building code followed by the room number (see the section on engineering buildings on page **34**, and Skule Map on page **129**). Note that the locations of your classes may not be immediately available, so check back right before classes begin. If you have red boxes (conflicts), don't worry about it! This is a result of ROSI not being smart enough to understand the setup of some courses (it was probably designed by artsies).

There are three types of classes in engineering: lectures (**LEC**), tutorials (**TUT**), and labs (**PRA**, for "practicals"). Almost all courses will have LEC and TUT sections, which are each typically 1 hour long, and some will have PRA sections, which are typically 3 hours long and may run on alternate weeks (denoted by an asterisk [*] after the course code). Large courses will be split into multiple sections since not everyone can fit in the same room at the same time. There may be up to 5 or 6 lecture sections and 20 or more tutorial sections. Different lecture sections may be taught by different instructors (although all assignments, tests and exams will be the same) and different tutorial sections will almost certainly be taught by different teaching assistants (TAs). The numerical component of the section code tells you which section you are in. Depending on the course you may be able to attend a different section than the one on your timetable, but you should check with your instructor or TA first. You can safely ignore the first two digits of the section code (in engineering courses, they will always be 01). So LEC 0102 is simply the second lecture section.

Lectures

Most of your courses will have 3 one-hour lectures per week. In lectures, the professor will do exactly that – present all of the course content in 50-minute segments. Lecture styles vary, with some instructors choosing to use slideshows, but many profs will use the "chalk & talk" format; talking while writing key points on the chalkboard. Lecture attendance is generally not mandatory, but if you start skipping class, you can fall behind very quickly.

Tutorials

Most courses will have a single one or two hour tutorial each week. Your tutorial section will consist of about 30 students and a TA who will review the week's content and answer any of your questions. Attendance is not mandatory, but there may be quizzes or other evaluations in tutorial, so skip at your own risk. Tutorials are much more useful when you prepare questions in advance, but for some, TAs will go over example problems NOT covered during lectures.

Labs

First thing you must know: labs start right on the hour! Unlike lectures and tutorials which start 10 minutes after the hour. A few of your courses will have a lab section, usually 3 hours every other week, in which you conduct experiments and write reports about them. You will most likely to work in partners of two, that's another reason to make lots of friends during Orientation, especially in your discipline!

ENGINEERING BUILDINGS

Bahen Centre for Information Technology (BA)



Separated from all the other engineering buildings by St. George Street and a very annoying crosswalk, the Bahen (pronounced "Bay-en") Centre for Information Technology is the newest, flashiest and the most reflective building out of all other engineering buildings. The building is connected to the Koffler Center from the inside, which leads to a Second Cup and the U of T Bookstore. The connecting hallway entrance is opposite to the MegaBites Café, which serves Starbucks coffee. The lecture halls are really big and have comfortable seating and tables, which are especially inviting when you can't seem to keep your eyes open. On the third floor there are little study spaces that have blackboards, chairs and tables

which are perfect for studying, napping or eating your lunch (though these are always full). There are are additional tables on the 4th, 5th and 6th floors, but you have to look for them! Home to the EngSci common room and ECE study hall, a multi-faith prayer room and nice washrooms, Bahen is definitely one of the cooler buildings (just don't tell that to Shai Cohen—he has given field trips around this building instead of lecturing to show students how poorly it was engineered!)

Sandford Fleming (SF)



This is the Engineering building, and the centre of student activity at Skule™. It is home to "the Atrium" (also called "**the pit**"), a magical place in the basement (basically the entire basement) where you will find that something is always happening. Skule™ events like Suds, Godiva Week, Flrosh Week, and other fun things happen here. The Engineering Society, Suds and Lady Godiva Memorial Bnad (LGMB) have their head offices located in the basement. A fun place to hang out, the atrium has lots of tables, chairs, a cafeteria, a photocopying machine, a couple of microwaves and the BNADs vending machines, which sell pop for really cheap! Also, the Engineering Library is on the second floor and

the Linux computer labs (where you will be spending countless hours trying to figure out your programming assignments) are on the first floor. While the faculty buildings have official 'open' hours, 24-hour access is available to SF and Galbraith through the two south entrances in the engineering alleyway (near Engineering Annex). And remember, you can also get to the third floor of Wallberg via the bridge from the second floor of SF.

Galbraith (GB)



Named after our first Dean and connected to the Sandford Fleming building, this is the building you will be frequenting every time you need to take care of paper work. The First Year Office, Office of the Registrar and Admissions Office are all located near the lobby. This is the place where you will have to pick up your OSAP papers, awards or scholarships, and get information about the T-Program. The building has lecture rooms with not-so-great-looking seats, and heating that is always turned up a good 5 degrees higher than it should be. Another thing to note is that this building has Windows labs (GB144/150) which offer Microsoft Project, something you can't get in the Linux labs.



ENGINEERING BUILDINGS



Wallberg (WB)



Home to the MSE and Chem Eng Departments, Wallberg is a building which oddly resembles Wayne Manor in many ways. It is really long and features puzzling entrances which connect it to different buildings from the ground floor and second floor. It has a lot of tutorial rooms and labs, with lecture rooms that are spacious and brightly lit. If you ever dare tread into this building make sure you know your way out because there always seems to be construction going on and the exits are locked most of the time. This building is also the length of a city block.

Mining Building (MB)



The Mining Building is, not surprisingly, home to the MINs. One of the oldest buildings on campus, this building has a lot of labs and big lecture halls. It has the Mech/Indy common room, which has pool and foosball tables. The Canadian Mining Hall of Fame is located on the first floor of the building, it contains a lot of interesting history about mining in Canada, and so it's a worthy thing to check out. There is a fourth floor attic, but it's reserved for fourth year capstone design. You'll get there someday!

Mechanical Building (MC)



This building is home to the Mechs and Indys. You will probably have a few classes in this building in youra first year. It has quite a few lecture halls and, most importantly, the most comfortable chairs (in MC102). With cushioned seats, the sleepability in a lecture is remarkably enhanced. The lecture rooms that start with a 2 are not really on the 2nd or 3rd floor, they are astonishingly located on floor 2.5th floor. So have fun trying to find where they are, and try not to be late because of it! If you ever need to access this place late at night or on weekends, you would have to go in through the east entrance of the Rosebrugh Building (RB) and find your way around. Same goes

for the Mining Building or Haultain.

COMMON ROOMS

Engineering Annex (EA)



This little building is located in the alleyway between Wallberg and SF. The most notable thing about this building is that it contains the ECF headquarters. If you have problems with your ECF account, need to reset your print quota or need to print in color, this building is your destination. Some design teams also have space in this building.

Haultain (HA)



Hidden away like the unlockable stages, this building is most notable for how hard it is to find. It is tucked away in a sketchy alleyway between MB and MC. It's also named after the second Engineering Society President. It has tutorial rooms on the fourth floor where you will probably write tests. Also, the elevator is kind of broken and doesn't always work right. So give yourself some time in advance if you have to go into this building.

Discipline Common Rooms

Chemical Civil Electrical and Computer

WB 238 GB123 SF B650

EngSci Material Science Mechanical and Industrial

BA 2128 WB 143 MB 225A

Mineral TrackOne Brawl: Free-for-All

MB 131 SF 3213 Da Pit

A map of the engineering buildings and surrounding area can be found on the last page of the book (p. 129).



TEXTBOOKS/PAST EXAMS

Textbooks will be your best friends in your four years of study. There are multiple sources on campus to get textbooks; the followings are in order of preference by most of the students. Note: You do NOT have to get all your textbooks before class starts. Make sure you are getting the right editions before you spend hundreds on them. Profs will tell you this information in the first day of lecture and they typically will give you around a week before you start to need it for homework.

Engineering Stores, run by the EngSoc

Location: Basement of Sandford Fleming Building (Next to EngSoc office). You can also check out stores.skule.ca for the catalogue and textbook pre-orders.

Items: The bookstore has ALL of the books required for first-year engineering studies.

Price: It's way cheaper than the Bookstore and the Discount Bookstore; and discounts will be applied if a set of books is bought together.

Upper-Year Students

Location: Wherever you can find them, usually Discipline Club smokers

Items: However many textbooks they have left. Price: Whatever they want to charge you.

Discount Bookstore

Location: 229 College St. It's located at the basement behind Einstein's (all engineering students

know where that is!), though it's tricky to find.

Items: Most textbooks for all years can be found here

Price: Cheaper than the U of T Bookstore

TUSBE

Location: www.tusbe.com

Items: U of T Students post their offers and requests on the U of T Student's Book Exchange.

website - there are about 100 per day.

Price: Some offers indicate exact price wanted, others are negotiable with the owner through email.

U of T Bookstore

Location: 214 College St. (next to the Bahen Centre).

Items: It has all the textbooks you will ever need and other required

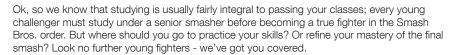
devices as well.

Price: The highest on campus for just about anything.

Past Exams: courses.skule.ca

Doing the past exams is the best way to get ready for exams. It is a good way to test how well you master and apply the knowledge. Professors sometimes use the same test format for all their exams and Some sections from the past exams might not be covered in your year of study, so you'll have to check with the course coordinator for the syllabi of specific courses





Your Discipline Common Room

If you don't mind the noise (or the smell), studying in your discipline's common room has a few benefits. Most of the time you'll find that there is either another first year struggling through the same problem set you are or an upper year who might be able to help. And if you like to reward yourself at regular intervals, we only have two words for you: foosball tournament.

Engineering and Computer Science Library

The Engineering Library, located on the upper floors of Sandford Fleming (SF2402), has three things going for it: firstly, it's quiet; secondly, it's near your classes; and lastly, there's a ton of engineering-specific info available for you to research. At times it can be quite busy so don't expect to always find space for your whole ESP/Praxis design team!

Robarts Library

Yeah, we know this is the artsie library. But we can give you a mathematical relationship that proves why you sould go to Robarts: the amount of quiet, deserted spaces to study rises 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 lakeshore. How's that for picturesque?

E.J. Pratt Library

This one is on the northeast corner of campus - don't go here unless you have a few hours to kill because this is a ten minute walk across Queen's Park. But the walk is totally worth it! 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.

Gerstein Library

This is 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 napping... we mean studying, of course. It's right next to the Medical Sciences building, so it's quite close to us, too. 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

Ok, so we know that Hart House is a building almost entirely devoted to recreation. But 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.



Alright F!roshies. If you're ever even going to THINK of passing first year, you damn well better learn how to use the ECF (Engineering Computing Facility) computers on campus. There are a bunch of labs all over the place, a few are Windows computers and the rest are Linux based. Don't worry just yet; it's not hard to learn (This may all sound like gibberish, but remember all this for later!)! **Warning:** NO FOOD OR DRINKS IN ALL LABS! The staff will be mad....

Departmental Labs General Labs

MIE	MC 402, MC 325, RS 303, HA 410	LINUX	SF 1012
CHEM	WB 216A/B		SF 1013
MIN	MB 130		SF 1106
MSE	WB 158	WINDOWS	GB 144
ENGSCI	BA 2124		GB 150
CIV	GB 422		WB 316
			SF 1106

Note: ECE also has their own computing facilities, separate from ECF.

UTMail: mail.utoronto.ca

That's right! As a U of T student, you get your very own email address, which you can customize it through ROSI. All information from clubs, professors, TAs and the falculty will be sent to your UTmail address, so check it often! It is integrated with Microsoft web applications, aside from 10GB of inbox, you also get calendar, mobile access, webapps, and 7GB of online storage. It was only introduced this summer so take advantage of the new collaboration tools! Or ditch the ancient-and-no-longer-functional-hotmail-styled-email-services and forward those emails to your GMAIL account! In settings, type in your gmail address and click "Start forwarding"... First challenge before Skule starts!

Stress Relief in the ECF labs

While the main purpose of the ECF labs is for you to do your work, they can also be used to kill time or relieve stress. And what better use for a cluster of computers on a single network than having a little LAN fun? On Windows computers there is a drive named "Factsage" which houses a few popular games like Starcraft, Warcraft III, and Counter Strike, all of which you can play with your friends over LAN. You can also run portable (no install required) versions of games you can bring yourself. On Linux computers, there is a menu of strange and weird games that won't be found anywhere else. However, it is important not to be a jerk while gaming in the ECF labs, if people need computers for actual work, be kind enough to give up yours if you are gaming.

Printing

For each term you are given a quota of 'free' printing from ECF labs. Going over this limit by 99 will result in a \$5 fine per 100 sheets. But don't worry; you can save prints by printing double sided, multiple pages per sheet etc:

In the Linux Computer Labs

To print double-sided, select such options when the window prompts you to pick a printer.



To print **multiple pages of a PDF per sheet** (ULTRA USEFUL when priting out ppt lecture notes) use 'Multiple Pages per Sheet', which is under 'Page Scaling' in the main print menu. To print from a website or an open office application, the option is found under the 'Page Setup' tab.

In the Windows Computer Labs.

To print double-sided, select a printer and click 'properties'. Under 'basic' tab, look for the subheading titled 'Duplex'. Select 'print on both sides', as well as 'flip on long edge' (for binder-friendly pages!).

To print multiple pages per sheet, look for a section titled 'page handling' or 'zoom' (depending which program you're printing from) in the main print menu. Under these headings, look for 'Multiple Pages per Sheet' or 'Pages per Sheet'. In general, 4 to 6 slides works well per page depending on how many extra notes you want to take.

A few more tips on printing

Printers in the ECF labs can sometimes get extremely busy (30+ minute wait for prints), departmental labs are generally less busy. It is best to get your printing done early.

Colour printing is available in the ECF main office in EA212 but each coloured page takes 20 sheets off of your quota. Large number of people do not come close to finishing their quota, so if you have friends, chances are you can mooch off of someone else's print quota if need be.

Tips for Saving Paper

One-Sided Paper Bin

Look out for one-sided paper bins in computer labs near you! Found near every printer in the labs, they are for sheets with one side blank. This paper is available for you if you need it to write notes on or use as scrap paper! To help everyone out, please place any of your extra paper in this bin.

Removing the Header Page

When you print in the Linux labs, you print a header page that has your student information on it. This page is only useful when there are a lot of people printing so you can figure out which pages are yours. To get rid of this page, uncheck 'Print Banner Page' at the bottom of the window with the list of printers.

Connect to ECF from home

Remote Desktop - Connecting to Windows

To access the ECF Windows computers from home, you simply need to visit https://ssl.ecf. utoronto.ca/ecf/services/rd. From the site, select an available workstation and an .rdp file will be downloaded. Run the file and log on as if you were in a windows lab. This will allow you access to applications for late night lab report sessions like CES for MSE101. You can also use this feature to transfer files from your own computer to your ECF account and vice versa!

SSH - Connecting to Linux - Compiling your C code from home!

To access the ECF computers from your home, you can use a program called an SSH client.

One of the most popular ones for Windows is called PuTTY and you can get it from
http://www.chiark.greenend.org.uk/~sgtatham/putty. The file you want is
called "putty.exe", there is no installation, so just save it somewhere. To check
your ECF email from home or any terminal, just type "pine" once you've
logged in. If you want transfer files to and from Linux (to compile your C

logged in. If you want transfer files to and from Linux (to compile your C code written at home!!), you'll need another program called WINSCP, but since it has a very nice user interface you can download it and start using it right away.



WIRELESS ON CAMPUS



Using PuTTY

Start the program and on the main screen enter the following:

Hostname: remote.ecf.utoronto.ca Port: 22

SSH button should be selected. Click keyboard in the panel on the left, and set "The Backspace Key" to "Control-H" (don't ask, silly F!rosh!). Click open, and then enter your login and password. Once PuTTY is started, it's used pretty much the same as the Terminal in the Linux labs.

Frequently used Linux Commands

Use these commands in the terminal or through SSH. All commands with square brackets (i.e. [something]) mean you should replace [something] with whatever is appropriate for the command. NOTE: Linux is case sensitive! For example, "cd" will do something while "CD" will not.

cd [directory] - Changes the current directory folder to [directory]

cd .. – Go to the previous directory

pwd – Tells you what the current directory is (short for present working directory)

Is – lists the contents of the current directory

cp [source] [destination] - Copy a file from [source] to [destination]

mv [source] [destination] – Moves a file from [source] to [destination]

rm [filename] - Deletes the file named [filename]

mkdir [directory] - Creates a new directory named [directory] in the current directory

rmdir [directory] - Deletes the directory named [directory]

chmod - Changes a file attributions and properties (who has permission to read, change or execute it)

Wireless on Campus

Details will be sent to your ECF email once the SkuleTM year starts! Do take advantage of these programs because they can assist in being more efficient with your notes, presentation, lab reports, programming assignments and much much more! Oh and did I mention it's FREE (after paying your tuition)?

UofT, the University of Toronto Campus Wireless Network is accessible with any computer equipped with wireless technology. The username and password are simply your UTORid username and password. For extra information such as wireless coverage maps or other details, visit http://www.wireless.utoronto.ca.

For older wireless devices, connect to the wireless network with the name "UTORwin". The wireless WEP (password) for all wireless access points is "UToronto1home". Open a web browser, and when prompted to log in, simply use your UTORid and password. You should be connected after running a one-time virus scan tool. Enjoy!



The Faculty of Engineering's Office of the Registrar has set out a petitioning process to allow students to request for an exception to a university rule, regulation, or deadline. It gives students an opportunity to deal with unforeseen circumstances that impact their ability to sufficiently fulfill academic responsibilities. Accompany your petitions with proper documentation (e.g. a U of T Medical Certificate).

Petitions can be submitted online at http://www.apsc.utoronto.ca/portal, though a Petition for 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: Aegrotat standing (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.



SUMMERSKULE//TEPROGRAM

Your final marks will appear on ROSI (Repository of Student Information: www.rosi.utoronto.ca) as a percentage, and a letter grade (yes, we go back to the C+ and A- type of thing). You can also see the course average and rejoice in the fact that you are above average or not. Now, there is also something else called Grade Point Average (GPA), which we will explain.

Mark Conversions

GPA	Percentage	letter
4.00	90-100	A+
4.00	85-89	А
3.70	80-84	A-
3.30	77-79	B+
3.00	73-76	В
2.70	70-72	B-
2.30	67-69	C+
2.00	63-66	С
1.70	60-62	C-
1.30	57-59	D+
1.00	53-56	D,
0.70	50-52	D-
0.00	0 - 49	F

There is a Grade Point Value scale from 0.0 to 4.0. If you receive a mark below 50%, you will receive a 0.0 value (basically, you fail). And there are the mark brackets in between (similar to tax brackets, as many of you will have to understand in the near future)! However, GPA is not used by the Faculty at all, just shows up on your academic history because that is what Grad schools will look at.

If your fall term or your sessional average is 60% or greater, then you are promoted with a clear record to complete the next session! In other words, you pass and you are allowed to continue the year in chaotic peace. If your fall sessional average is 60% or greater, but you failed a course, contact the First Year Office right away so that they can enroll you in the repeated course.

As a bonus, and assuming you are taking a full course load, a sessional average of 80% or greater will get you a spot on the Dean's List (an honour for scholarly smashers)! If your marks are between 50%-60% for the first time then youa re on probation. But you can get out of probation once you have 2 full course load semesters in a row with no repeated courses that each have a 70% average or higher.

So... what if you haven't gotten used to the feel of the Battle? Don't worry, it has happened to a bunch of us, too. If your sessional average is between 50% and 60%, which means you will be on probation, don't sweat it - it was bound to happen someday. Since we understand how difficult the training can be, the school will come save you if

that happens! U of T offers the T-Program for first year students in which you can retake first year courses that you have failed (but only up to 3!). Depending on the situation, you'll be retaking the courses you failed in either the Winter or Summer sessions, or both. Students who have dropped courses are also enrolled into these classes (since you still have to complete and pass all your first year courses sometime before going into second year). Students deciding to transfer from Engineering Science may also need to take similar courses that will be offered by the T-Program (NOT ECE101, face your fate, there is no easy escape).

Your Engineering Calendar can be found online at www.undergrad.engineering.utoronto.ca and will be your guide while travelling the cosmos of engineering. To see what GPA corresponds to your final mark, or to read more about probation and the T-Program (because the information gets more complicated than this and updates often), you can consult this Calendar under the Academic Regulations section). You can also see any of the friendly counsellors at the First Year Office, located in GB 170 for answers and assistance! (don't worry, they aren't evil aliens or robots).





I see you eager apprentices, read through the booklets from the falculty and can't wait for classes to begin? Well, forget everything they told you and take a look at these Anti (falculty) Calendars brought to you by 2nd years. You better read them (for facts and chuckles), but **DO NOT** buy your textbooks yet, some change depending on the professor. *The stars represent the ratings (out of 5) of the following categories: **Difficulty, Workload, Value of Tutorials & Lectures.**

APS150 > Ethics in Engineering



Text: What Text? **Aids:** Sleeping in class...



This course really only exists to make UofT Engineering look like they taught you ethics. You won't learn ethics from this. You might learn a few bits of trivia about law and an engineer's obligation to society and all that jazz, but that's about it. There's a 1.5 h lecture per week and they're all posted online. It's a low maintenance half-semester course with a multiple choice exam weighing 100%, but you'll need an 80% to pass. Doesn't sound too bad, eh? Just get it right the first time or else the second time will be much harder. Don't forget there's the shame of failing an ETHICS test! You will be mocked relentlessly by your peers. Gosh, now you're worried. Silly F!rosh! If you're deeply concerned, there's a tutorial once a week at 8 am (lol).

APS105 ► Computer Fundamentals



Text: Computer Science Using C - Second Edition By John Carter

Aids: Your friends, Youtube, Manuals on C Programming







Since this is a course for ECE (with those silly TrackOne's getting dragged along for the ride), it's generally regarded as being the "tougher" programming course. But don't stress out if you've never taken programming in high school, the course starts with the very basics. Attend lectures and tutorials to make sure you keep up with the concepts, as the course gets harder in the second half with more advanced topics like the dreaded recursion. There will be weekly lab assignments and bi-weekly quizzes, both of which will ask you to write a function or an entire C program to solve a problem. Doing well on these is the easiest way to build up marks in the course. Protip: if you're having trouble with a lab, try going to your assigned 2-hour practical and seeking the help of either a TA or a computer-whiz friend. However, be forewarned: don't just copy your friends' code, as this course uses a plagiarism checker for submitted work, and both you and your friend will get hit with an academic misconduct if you are caught (super lame).

APS191 ► Introduction to Engineering



Text: None

Aids: Just show up







This course is exclusively for TrackOnes, and it only has one lecture a week! Being TrackOnes, the faculty knows that you're terrible at making decisions, so they've given you this course to make you all informed in your indecision. How awesome is that!? Every week, you'll watch a presentation on a discipline, usually done by professor(s) from that department. There will also be a few lectures on engineering and artsie minors, how to pick your discipline,





and a decision discussion panel consisting of upper year students. If you thought that choosing a discipline out of high school was hard, wait until you come here and realize all most of them are actually pretty interesting.

As long as Jigglypuff hasn't sung you to sleep, weekly attendance should be a breeze. However, keep in mind that you HAVE to show up (and stay for the entirety of) at least nine of the thirteen lectures, or you'll fail the course. If you DO manage to fail, that'll mean retaking the course after you've already selected your discipline, which is obviously super lame.

CHE112 ► Physical Chemistry



Text: Welcome to Phys. Chem!!Step-by-Step by F.R. Foulkes

Aids: Running on treadmill while reading chem book.. get it? Physical?







Some of you (especially Civs and Mins) might ask why you have to take this dull course. Apparently, it shows up in a lot of different and unexpected fields. This course talks about thermodynamics, the gas laws, and some bits of electrochemistry. You don't have to go to class; instead, you can use the textbook for all your learning needs. (A textbook for learning? You don't say.) All the key concepts and equations you need to know for your midterm and final are in it, and the practice questions are extremely helpful for preparation. The quizzes are relatively easy if you review your notes. Sadly, memorizing algorithms and guessing at what might appear on the exams won't get you very far, as the types of questions change year to year. If you remember dimensional analysis and understand your concepts, you'll do just fine(ish).

CHE113 ► Concepts in Chemical Engineering

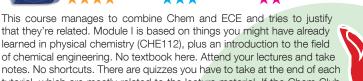


Text: The writer forgot...

Aids: Fundamentals of Physics 9th Ed Pt 3 - Halliday, Resnick, & Walker







of chemical engineering. No textbook here. Attend your lectures and take notes. No shortcuts. There are quizzes you have to take at the end of each tutorial, which are mostly related to the lecture material. If the Chem Club gets organized this year[a], buy the first year package for awesome review material. 25% of your mark in this course is based on lab work that may not directly relate to the lecture material. Module II is based on circuits and concepts in electrical engineering. If you did well in high school circuits, then this part should be a breeze. If not, good luck. Like Module I, there are quizzes, but they are harder. Labs related to this module offer you a practical approach into circuit building. Both modules have their own final exam, each covering

half a semester of contents. Like I said, the course 'tries to justify' the connection, but it mostly just succeeds in short-circuiting your brain.





CIV100 Mechanics



Aids: Upper years and Civs and EngSci's

Difficulty

Workload

Value of TUTs & LECs

If you don't like motion, this course is for you. CIV100 is all about forces on simple structures so everything = zero (except, ideally, your mark). If your forces don't, your bridge might theoretically accelerate sideways, which is to say, fail. You'll learn several simple concepts that you will try to use on several freaking-difficult problems on the midterm and exam. There aren't too many surprises they can really throw at you though. Just do the past finals because the questions are pretty similar from year to year. Just remember net force equals zero and every couple has a moment (<3). It'll all make sense soon, silly F!rosh.

CME185 > Earth Systems Science



Text: Earth Science by Edward J Tarbuck and Frederick K Lutgens

Aids: If you don't like rocks find a friend who does.. &MIN common room







This one's for the MINs out there; all 6 of you. But just so you guys don't get too lonely, your buddies from CIV will be joining you in this course about rocks and maps, the earth and rocks, and (for some unknown reason) space and rocks. The prof likes to burn through 200+ PowerPoint slides in a two hour lecture. But because he doesn't really have much to say, that two hour lecture only lasts about 45 minutes with a 15 minute break in between. The labs are free marks, YAY! The TAs don't like to help you, so if the prof comes in, direct all your questions to him. The overall workload is pretty light, and the course itself is pretty easy. The only real work is a report that you and two friends will have to write about a map, but even that is really easy. Just make sure to keep it short as per the professor's instructions; no one wants to read lengthy reports on maps.

ECE101 > Seminar Course: Introduction to Electrical and Computer Engineering



Text: What Text?

Aids: Staying awake







This course has absolutely no work involved with it at all. Each week a different professor comes in and presents a sub-discipline that you may consider specializing in as an ECE. You are only expected to attend about ten of the thirteen seminars to receive a credit for the course (there is no mark associated, just a pass or fail). Easiest credit ever? Wrong! The hours you spend in these

> seminars will be your longest in first year. Not only are some of the presenters excruciatingly boring, but they fail to accomplish their task of giving you an overview of the sub-discipline. This is especially true for those presenters who focus on their own research in the sub-discipline instead of the sub-discipline itself. Also, you are not allowed to have any electronics out during the presentations. You may get away with a well hidden cell phone, but you'll definitely get called out for having your laptop out. So you're basically forced to listen.





Your best option for this seminar is probably to attend the first ten, then skip the rest near the end of the semester (not that we endorse skipping) and use that time to study for your exams. Good luck, and try not to fall asleep.

ECE110 Electrical Fundamentals



Text: Electrical Fundamentals (Selected chapters from Halliday's Fundamentals of Physics and Irwin's Basic Engineering Circuit Analysis)

Aids: Sharp 520 and Exam Aid Sheet







This introductory course for all things electrical is split in two distinct sections. First, you get electromagnetism. Then, you get circuit analysis. Now, try not to freak out, but near the end of the course you have a little bit of a math lesson on imaginary numbers, a concept high schools tend to skip. (Protip: Sharp 520 calculators allow you to calculate imaginary numbers making life easier for tests.) Each of the professors for the course has a different teaching style and pace. Some are slower and thorough, others finish the concepts quickly and review a few examples before assessments. Try a couple different profs to find the one that works best for you. The labs are fun and super-easy to get good marks on, just make sure that you do the pre-lab to ensure effortless success. Tutorials are basically homework-take-up-time and a good time for questions. The exams and midterms require practice, but luckily old quizzes and assignments are posted from the start of the semester. But let's be honest, you won't look at those 'til it's too late, right?

MAT186 > Calculus I



Text: Early Transcendentals 9th edition

Aids: WileyPlus, textbook, wolframalpha.com









This is a relatively easy course because the majority of it is review from high school. Most of it will be derivations and taking limits. Towards the end, you will learn some basic integration and few applications of it. You will have online WileyPlus assignments to make sure you understand the course material (Try to do them yourself, but if you're at a complete dead end, you could use your best pal, Wolfram Alpha). Prof Burbulla is known to have tests and exams very similar to past years, so solve them! If you find yourself lost in the course, go to the mostly empty tutorials and ask the TAs for help. This might be the last time you'll pay attention to Calculus, because Calculus II is too much fun to handle. (Sarcasm).

MAT187 > Calculus II



Text: Calculus (conveniently the same one as Calc I's text book)

Aids: Bubulla's homepage





Finally calc gets interesting! But it also means that you won't be able to coast through it like last semester. Be warned, this course moves really quickly so skipping/sleeping in class isn't the best idea. Also, the online problem sets get less helpful, but hey, it's a free 10%. The first midterm is pretty easy, the sec-



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ond is a fair bit harder and the final is murderous. Don't freak out (too much)! The course coordinator is good about posting past midterms and exams with detailed solutions. Calc II will teach you the ways of integration, differential equations, sequences, infinite series, parametric equations and polar curves, vector valued functions and partial derivatives. Keep up and by the end you will be a MATH BEAST! Tip for the final exam: memorize EVERY obscure formula you can! There's a good chance it'll come up in attempts to drop the average a little.

MAT188 > Linear Algebra



Text: Elementary Linear Algebra 2nd Edition by Nicholson

Aids: http://www.math.toronto.edu/burbulla/

Difficulty ***

Workload ***

Value of TUTs & LECs





Imagine a world of mathematics without problem solving. Well, this is the world of Linear Algebra, which focuses more on the memorization of algorithms and techniques to solve case-specific problems. This course is relatively straightforward, since the midterms and final exams are very similar from year to year. Just be sure to check out Burbulla's website for these past papers so you can easily anticipate what to expect. You will also be doing online homework through Lyryx, which is a huge pain in the butt because the problems are much more difficult than what you would see on the textbook or on the midterm. These problems are only worth 5%, so if you don't have the time to do everything, don't waste it. Luckily, Wolfram Alpha can help you do some calculations with matrices. You get an unlimited number of tries to answer each question, but the numbers they give you are usually nasty to work with. Just keep hitting "refresh" and you'll eventually get friendlier numbers. You'll find that everything you learn in the course seems to be repetitive. However, Lin Alg gets useful in later years.

MAT196 > Calculus A



Text: Calculus: Early Transcendentals (Briggs/Cochran Calculus)

Aids: Solution Manuals







This calculus course is only for ECE and TrackOne, and it differs from Calculus I because it focuses more on theory and proofs. Don't brush the summer dust off your calculator for this one, as they'll be strictly forbidden on all tests and exams. Try not nerd rage about that just yet though, because you'll soon find out that the course is more concerned with how well you understand the language of calculus, not how well you crunch numbers.

Calculus A starts off with basic functions, but be attentive because it covers little bits of new information while going over the old. A large part of the course focus is on learning to evaluate limits using various techniques, with delta-epsilon being the most "popular" amongst students (listen for the pained groan when your prof mentions those two scary little Greek letters). One

of the most useful tools of the course is the solution manual that comes with the textbook, as it provides detailed solutions for homework questions.





MAT197 > Calculus B



Text: Calculus, Early Transcendals - Briggs and Cochran, Pearson

Aids: Khan Academy, WolframAlpha









Congratulations, young smash apprentice, you passed Calculus A! Unfortunately, you haven't beaten Master Hand just yet. It's best that you bring some maxim tomatoes and heart containers along for the ride, because Calculus B has a really damn dirty smash attack, coming at you in the form of two midterms and a boss-battle final. And nobody wants to see you get knocked off the screen... In all seriousness, Calculus B will be tougher than Calculus A, simply because the material is new for most people, and it flies at you really fast. The first part will be tons and tons of integration. The "best" advice for this part is to be really familiar with your trig, as it will prove useful in the upcoming chapters. This course also spends a huge amount of time on sequences and infinite series. Don't try to picture them in your head, you'll probably just hurt yourself. However, those who enjoy math will have fun, especially with the section on power series. If math isn't your cup of tea, just try to stay interested enough to keep up with the homework, midterms, and concepts (so, everything). Some of the profs for this course can be really difficult to follow, so try to find one that makes sense to you. Remember that you are free to (quietly) move around to different lecture sections, if you wish.





Text: Engineering Mechanics: Dynamics 12th Edition

Aids: Solution Manual







High school physics is back, but this time the "forces" you'll be dealing with are even more severe! Hopefully you still remember that one godly equation (F=ma), as it is the most important relationship you will use in this course. Also, you will learn two new coordinate systems, polar and normal-tangential (just you wait little F!roshie, just you wait) in addition to x-y coordinates. Don't worry, it's actually simpler than it sounds at first. No quizzes, but you'll have to do weekly online assignments from Mastering Engi-

neering. The tutorials are extremely important because the TAs present you with questions from past exams, tests and problems sets, which will show you what to expect for your own evaluations. The professors make the midterm easy, and the final very challenging. [d] At least you get a cheat sheet. Good luck, have fun, and remember that you can't push on a rope!

MIE191 > Introduction to Mechanical and Industrial Engineering (Seminar)



Text: What Text? Aids: your electronics

This seminar is a compulsory course for Mechanical and Industrial engineering students. It gives you a brief look into the different streams within MIE and is graded based on attendance. Yeah, you read right. No exams, no essays, no problem



sets. Attendance. And all you have to do is go to 9 of the 12 lectures to pass. Just bring your iPad, book, some snacks, or even your homework, because, frankly, this is a one hour break in your weekly schedule. It's an easy course that you don't have to study for so don't screw this up; no need to repeat an attendance course.

MSE101 ► Introduction to Materials Science



Text: Fundamentals of Materials Science and Engineering: An Integrated Approach (3rd Edition) by William D. Callister Jr.

Aids: https://sites.google.com/site/uoftmse101

Difficulty Workload Value of TUTs & LECs

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This course is based on processes, structures, properties, performance. Unfortunately, materials science is a pretty diverse field, covering topics from the abstract molecular structure and phase diagrams to the tangible stress-strain relationships and mechanical deformation of materials. In reality, these are some of the many things you have to consider when it comes to design projects, so there is a good reason for learning the material. The labs are fairly easy marks and each of them has a quiz based on pre-readings. Every week in tutorial you will be required to hand in a problem set, write a short 15-minute quiz, or both. There are in-tutorial labs, where you have to perform tasks in small groups within 50 minutes (yes, time is tight here!).

CIV102 ► Structures and Materials - An Introduction to Engineering Design



Text: Your Clairefontaine notebook.

Aids: Notebook, Set Square, Engineering Paper





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This course is more aptly titled "Bridges—How to Build Them". With notoriously long weekly problem sets and quizzes, coupled with all the material you ever and never wanted to know about bridges, CIV102 is no course to scoff at. Oh and did I mention? You have to build a bridge (Youtube it!). Not to worry, you'll have a legendary professor to help you master the art of civil engineering. Professor Collins is the Gandalf of civil engineers and the Dumbledore of structural designers. With 30 years of experience under his belt teaching this course, Professor Collins is one of the well-known profs you'll have. There are no textbooks for this course. Instead, everyone is required to buy a notebook from the Engineering Stores. You can do anything you like with the notebook, but you may want to take down notes from Professor Collins' chalk-and-talk style lectures, because you're permitted to take the notebook with you to your quizzes and final. Needless to say, CIV102 lectures are not lectures you want to skip. But if you do and fail all your problem sets and quizzes, not all hope is lost—if you score higher on your final than your term grade, your final will be worth 100% of your final grade (WARNING: Don't do this). All in all, by the end of the semester, you will have learned how to build a bridge whether you like it or not.



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CSC180 Introduction to Computer Programming



Text: Varies, usually an online textbook

Aids: Friends, ECF Labs







This course is basically Programming for Dummies (yes, you can relate the word "Dummy" with Engineering Science). It's designed to teach the basic principles of programming to individuals who have NO prior experience, using one of the simplest languages, Python. Actually learning the concepts isn't all that difficult, but wrapping your head around the syntax is challenging. The profs are amazing, as they both have tons of office hours, are passionate about what they teach, and show real concern for their students. The course is composed of 3 major projects (let's just say your life will be consumed by debugging), 2 midterms that require you to think like a computer, and an exam that has a cheat sheet...so practice writing small, future EngSci's! If you enjoyed Python, then be aware the next course (CSC190) will be like going from casual, items-on-high Super Smash Bros 64 to the intricacies of tournament-level Melee. (If you don't get this reference, just go to the common room where it happens all day every day.)

CSC190 ► Computer Algorithms, Data Structures and Languages



Text: C Programming, A Modern Approach 2nd - K. N. King

Aids: Sleeping in class...







CSC190, or Debugging Your Shitty Code 101, introduces you to segfaults. If you don't know what a segfault is, you'll learn soon enough; if you already do, you probably deserve to take CSC192 and not ruin the bell curve for the rest of us...but I digress. It's recommended that you use a fancy code editor called CodeBlocks. There's absolutely no way to put this nicely, but CodeBlocks is terribad. The faculty calendar says you'll learn about such topics as stacks, queues, heaps, and hashing, but the skill CSC190 hones the most is your ability to draw little boxes around numbers called linked lists! A significant portion of

little boxes around numbers called linked lists! A significant portion of the course involves visualizing data structures and putting them onto paper – in fact, more of the final is spent drawing trees than writing code! Additionally, you'll see examples of how a program is structured, through things like header files and static code, though you won't actually create an entire program from scratch, thanks to that old refrain, "outside the scope of this course".

CSC192 ► Computer Programming, Algorithms, Data Structures and Languages



Text: C Programming, A Modern Approach 2nd - K. N. King & Algorithms in C++ - Sedgewick

Aids: http://www.cplusplus.com/ A good standard library ref for C/C++.







In theory, CSC192 should be a faster-paced, accelerated computer science course



designed for those who've taken such courses before, as it covers the concepts that would normally be covered in CSC180 and CSC190 in only one course. You will be taught to program in C (and perhaps C++). But beware! The instructor for this course (and thus the teaching style and competency) seems to change every one or two years, so course experiences throughout the years have been... inconsistent, to say the least. As with most computer science courses, tests and finals usually have a mix of both conceptual questions and programming exercises. But it's the questions that combine both that you really need to worry about. You'll be taking a course among some of EngSci's finest programmers: Those with the coding prowess of Master Hand; those who aspire to work at Google or Microsoft. If you're familiar with programming though, stay with it. In second semester, not only will you get an elective, you'll also be spared from having to gouge your eyes out for hours on end debugging! Unless you like debugging, that is. You masochist.

ESC101 ► Praxis I



Text: Engineering Communication: From Principles to Practice by Robert Irish and Peter Eliot Weiss (Optional)

Aids: Nothing can help you with Praxis.

Difficulty

Workload

Value of TUTs & LECs







What is Praxis? That is the million-dollar question. Oh boy, where should I start? Praxis is an engineering communications course that gets students to address on-campus design challenges through hands-on activities and presentations. Praxis is a series of small, seemingly useless projects which are supposed to build a foundation for engineering design (whatever that is). Praxis is a course with no bell curves, with the exception of the magical mark boosts for a few select individuals. Praxis is the only lecture that you can guiltlessly skip. Praxis is the course (one of many) that you'll be swearing venomously at in a few months' time. Praxis, I daresay, is one of the most useful courses you'll have in first year. Praxis is the magical, but malicious unicorn that visits you at night, whispering insidious thoughts in your head while you sleep, which is the reason for all those nightmares you've been having. Praxis is Praxis is. But of course, I just made all of this up. No one knows what Praxis is.

PS. You 1T6's have 1 extra hour of lecture per week! How lucky ^^

ESC102 ► Praxis II



Text: None

Aids: Praxis I & a great team with descent knowledge of graphics







What's Praxis? Who cares! This is the most entertaining course you'll have all year, so just sit back and relax. The lecturers are well spoken and their graphics are genuinely useful. They actually encourage the use of cellphones in class and actively attempt to stir up conversations between you and your neighbours. Oh, and like Praxis I, you don't have to take notes. The

> content is simple and common sense enough to grasp the material, and if you're keen enough to review, all the lectures are available online anyway. Unlike Praxis I, however, Praxis II finally introduces interesting engineering design concepts. The tutorials sessions are no longer wasted on taking apart toasters, but are rather focused on furthering your progress in designing something that you've identified the City of Toronto needs. Throughout the year,



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you'll be taken through every step of the design process, from the identification of a problem to the prototyping of a solution. Praxis II is essentially one long design project, where you'll be working in teams of three to four. You'll even get to choose your own teammates! Just make sure you get along. You'll see a lot of them.

ESC103 ► Engineering Mathematics and Computation



Text: Van Loan, Introduction to Scientific Computing, 2nd ed

Aids: Khan Academy and MATLAB's help documentation







Okay, this is a weird one. It's partly an introduction to vectors and matrices, partly an introduction to numerical estimation methods, and partly a crash course on MATLAB. If you're an Ontario student, you've probably seen all the vector stuff before. If you haven't, you may find it difficult to commit the concept of vectors and matrices into intuition, so beware of that. The course moves on fairly quickly to methods for numerically estimated solutions of integrals and differential equations. This is all methodical stuff. Just practice using the methods until you're familiar with them and you're golden. Sprinkled throughout is the MATLAB component (that's right, taught concurrently with a programming course). Learn to get familiar with MATLAB's syntax standard library functions (the help documentation is occasionally very useful for this), and read the assigned textbook chapters, as the MATLAB labs will focus directly on those sections, and it's not taught in lecture! Quizzes will emphasize computation, whereas tests and exams emphasize theory and proof. This course is taught by Ryan Donnelly, an EngSci graduate (!) His lectures are decently paced, he has a good sense of humour, and he's engaging as a lecturer. Overall, a pleasant course by EngSci standards: challenging but not super-difficult, decent workload, and an eclectic range of content. Just don't let your studying for this course fall behind.

ECE159 ► Fundamentals of Electric Circuits



Text: The Analysis and Design of Linear Circuits

Aids: Determination to face failure







Run.

Still here? Seriously. Run!

Okay fine, ECE159. You know when you hear your older friends talking about that course in university that everyone is bound to fail? That course which makes no sense regardless of how much you study it? ECE 159 is that course. You'll learn about basic circuitry and electrical components (resistors, op-amps, inductors, and all that jazz). Oh, did I say 'learn'? I meant 'try to learn'. The lectures are well structured and examples easily followed. The problem sets are trickier if you even bother to attempt them. They aren't mandatory and no one will check. Labs range from ridiculously simple to outrageously challenging. And by the time exams roll around, bless your little F!rosh hearts, you'll have convinced yourself that you did learn about circuits only to spectacularly fail. ECE159 is where you get to blindly ride the bell curve into (hopefully) passing territory. Didn't I say run?



MAT185 ► Linear Algebra



Text: An ALGEBRA PROFESSOR in the HOUSE of the MEDICI

Aids: Your Friends

Difficulty

Workload

Value of TUTs & LECs

GOING INTO ABSTRACT TERRITORY, BE WARNED! This is perhaps the only course in first year that cannot be taken down by brute force. Memorizing will not help, because the midterms given by the professors will contain nearly 90% proof based questions. Instead, learn the various methods of proving fully, such as contrapositive, contradiction, induction, and the concepts being taught (that is to say everything), then all the tests and exam will be a breeze (that is to say impossible). The online textbook is a storybook. (Spoiler alert) the ending is quite epic, READ IT CAREFULLY. Now, since the professors will literally be teaching everything according to the notes, it is possible to not go to any of the lectures and just study from the notes posted. Oh, and there are three midterms. However, only your two highest will be counted (who said EngSci was hard?). Therefore, theoretically, you can skip the third midterm, which will save you a lot of time during a hectic period.

MAT194 ► Calculus I



Text: Calculus 7ed - Stewart & Some Foundations of Analysis for Engineering Science - E.J. Barbeau, P.C. Stangeby

Aids: Khan, the man







Calculus! But this isn't your regular high-school calculus, or even regular university calculus. This is no-holds-barred, rigorous-only calculus. Speaking of which, it doesn't even start off with calculus, but instead with number theory. In only a few lectures, the profs hit you hard with the infamous "Delta-Epsilon proof" of limits. Have fun. If you can't wrap your head around them, just try to memorize the mechanics of these proofs and the general idea behind them. Learn to love that Stewart textbook, because you'll be learning more calc concepts in one semester than in any other course at U of T, presented in more rigorous fashion (Rigorous... The profs seem to love that word.) The tests are designed so that you can pass easily, but you'll struggle to do well on them. As with many other courses, your experience depends heavily on your TA, as they get to choose their own quiz questions and they mark your term tests. But don't worry; this course is generously scaled.

MAT195 ► Calculus II



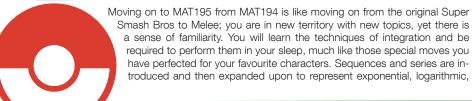
Text: Calculus 7ed - Stewart

Aids: Student Solution Manual, extra challenge questions, past exams











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and trigonometric functions in ways you've never imagined. You will also learn why all continuous functions are (Riemann) integrable, and the proof will stretch your delta-epsilon-burdened mind. There is a brief section on multi-variable calculus, which is, surprisingly, a relaxing vacation. Make sure you keep up and practice until your combos are quick, because the midterms and exams are tedious and long (as in "you are not meant to finish all the questions"), so just attempt the ones you know. In the end though, there will be a heavy mark adjustment, so you can rest assured that you will probably do well. Keep your fingers crossed for the Jonas-Brothers-Prof!

MSE160 ► Molecules and Materials



Text: Ghetto-ass soft-cover composite of two \$200 textbooks, available for ~\$85 from the U of T Bookstore

Aids: Your smart friends







Moved from second year to first year for the class of 1T5, MSE160 might still be a bit rough around the edges for the 1T6's. The course probably changed a fair amount from student feedback, but here's what stayed the same: because EngSci is supposed to be hardcore, edgy and punk rock and such (that's what I'm told at least), the faculty decided to take two already fast-paced half-year courses, cut what little fluff was left, squish them into the same course code, and teach them in seven weeks each. By two vastly different profs, with completely opposite teaching styles. Then, in a stroke of genius, they decided it would be a good idea to throw it at the first years. Great. While they tried to cut some slack and drop some of the hardest parts of the course, not everybody got the memo. Oh, and the midterm and the final were supposed to "reflect the material from the problem sets"... Well, don't EVER believe a word your prof says about tests.

Oh, one more thing – don't depend on the bell curve; if it even exists (see the previous sentence), it's utterly minuscule. But don't panic, you have been warned. **Because Friends Cooperate.**

PHY180 ► Classical Mechanics



Text: Physics for Scientists and Engineers - Serway, Jewett

Aids: Student solutions manuals







If "Classical Mechanics" sounds like your typical grade-12 physics course, well, um, that's kind of what it is! The majority of this course covers basically what you've learned in high school, with very few new concepts. Content wise, this is the "Mario" of EngSci Courses: average difficulty, and nothing special. But like every course, you need to watch out for its idiosyncrasies. The lecturer and course coordinator is Professor Natalia Krasnopolskaia, who likes doing a lot on derivations in lecture; but don't worry, because these rarely actually show up on quizzes or tests. The midterms and exam generally contain one or two recall questions, with the rest being the higher-level problem solving type. Final exam questions are generally taken from the textbook problems. I can hear you scoffing, but some of the questions in the textbook are surprisingly tough! So do lots of practice problems, if you have the time. Well, you won't, but try to do at least a few. You will have problem sets about once weekly, sometimes on paper and mostly on an online system called WebAssign. The lab component plays a huge role in this course, are



SOMEWISE ADVICE



fairly interesting, and generally simple in terms of data collection (you even get to choose the later ones!). The tough part is in the writeups, and in particular the diligence you must exercise through error analysis. (Heads up: there's also an online test you have to take all about error analysis). Your performance in the lab highly depends on your lab demonstrator, but keep a good track of everything and you'll get a decent mark.

Before coming to University, I wish I had known...



- 0. http://goo.gl/EQYlu
- 1. That free food at 12:00 is gone by 11:59
- 2. That Praxis / APS require more time than all my other 20 credits combined
- 3. That an aid sheet doesn't mean the test will be easier, it guarantees it'll be **HARDER**
- 4. a girl, ANY girl
- 4. That it didn't matter how late I scheduled my first class, I'd still sleep in
- 6. That bedtime is simply "before sunrise"
- 7. That if you wear a skirt everyone asks you why you're so dressed up
- That you were smart in high school, so WHAT??!!
- 9. That MC102 is the most comfortable lecture hall
- 10. What I was getting into and that none of my expectation of university would be right
- 11. That they guy with the cold always sits directly behind me
- 12. That university students throw airplanes too
- 13. That I would change so much and barely realize it
- 14. How to integrate
- 15. That showering is always optional
- 16. That marks are not everything, even though they are important
- 17. That the most important things you'll learn, you'll learn outside of class
- 18. Everyone in engineering was the smart kid in high school.
- 19. That you're never going to figure out what you want to do with your life
- 20. That no matter how many alarms you have, you will still sleep in
- 21. That if you don't sleep, you will eventually fall down a flight of stairs
- 22. That you're not going to do well using someone else's cheat sheet
- 23. That life is better when you get involved
- 24. That there is no cure for procrastination
 - That a bag of chips and coke constitutes a nutritious breakfast
 - 26. That I would start napping in the afternoon again
 - 27. That Sunday is a figment of the world's imagination
 - 28. That friends are what make Skule™ worthwhile.

AWARDS & SCHOLARSHIPS

Did I frighten you enough yet with those five-star-difficulty courses? Don't sweat it! Of course there are rewards to compensate your loss of sleep! Let me present you the Super SkuleTM Bros. Trophies:



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

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

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. www.adm.utoronto.ca/fa/utaps/utaps_info.htm

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 in an application. www.undergrad.engineering. utoronto.ca/support/financial/assistance/Faculty Grants.htm

Scholarships and Awards

Students in the faculty are considered for scholarships and awards upon admission and after each academic year. 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 (www.utsu.ca) and U of T Bookstore, the bursary is a partial reimbursement for the costs associated with purchasing textbooks. For more information go to www.undergrad.engineering.utoronto.ca/support/financial/assistance.htm



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ORIGIN: THE PIT.



BOUIT ENGSO





Founded in 1885 by students of the Ontario School of Practice Science under the leadership of Professor John Galbraith, the Engineering Society has served as the student government of undergraduate engineering students for 127 years. As the years have passed, the Society's operations have grown larger and larger, but its core mission has remained the same: to promote the interests of its members - all undergraduate engineering students - within the University and beyond, through academic advocacy, social opportunities and professional development.

By collecting a mandatory levy from all of its members, the Engineering Society is able to provide financial support to over 80 student clubs, run huge events like F!rosh Week and Gradball, produce high-quality publications like the one you are reading right now (wow!) as well as two newspapers, an agenda and a yearbook. We run three commercial operations, including the store you'll

probably buy your first-year textbooks from and the cafeteria that you'll almost certainly eat at throughout your first year. Each one of these is owned, operated and staffed entirely by students.

First and foremost, we are a student-run organization. With the exception of our one employee, every single role in the Engineering Society is filled by student volunteers and every executive is chosen by a general election. We take pride in not only being able to provide our members with high-quality services, but in giving those same people the opportunity to gain valuable experience from running large events, projects and services. Throughout the year, we utilize hundreds of student volunteers in support of our events and projects.

We don't just help you have fun outside of class, though - we're committed to helping the Faculty continuously improve the educational experience at U of T. We work with representatives from each and every class (38 in all) to ensure that their views are heard through the Faculty and University governance structures, and that curriculum changes receive adequate student input.

The Engineering Society exists for only one purpose: to improve your student experience here at Skule by any means reasonably possible. It is our sincere hope that you will not only benefit from our work, but that you will eventually contribute to it either as a volunteer, a class representative, a director, an executive, or perhaps as President.

If you are interested in getting involved, or if you have any guestions regarding EngSoc, please send us an email at engsoc@skule.ca. **SKULETM** 59

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RESIDENT'S MESSAGE



Four years ago, I chose to come to U of T Engineering for many of the same reasons that draw over 1,000 students from around the world each year: it was the best ranked, most prestigious and most challenging program in Canada. But as you will soon find out for yourself, the reasons that ultimately kept me here, and that have made the last four years a worthwhile experience, are things that I could not even have imagined as a bright-eyed high school student.

Sure, I like math and physics. And sure, I've enjoyed many aspects of the education that I've received here both in the classroom and during my Professional Experience Year (PEY) internship. But what truly sets this institution apart from the rest – in Ontario, in Canada and around the world – is not found in the curriculum. The fact is that you could become an engineer anywhere. What sets our school apart is the breadth and depth of the extracurricular opportunities that our student community can offer you.

U of T Engineering has an unparallelled tradition of student leadership, beginning with the founding of the Engineering Society in 1885 and continuing for the last 127 years. EngSoc is more than just the oldest organization of engineers in Canada; we're one of the most successful, inclusive and representative student governments across this campus, this province and this country. As our students have excelled both academically and outside of the classroom, EngSoc has always been by their side, helping and supporting them. We don't just do all the standard things like run the dinner-dances you'll attend or print the yearbooks you'll sign – we're your voice inside the university administration on the wide range of academic and student life issues that concern you. I'm tremendously proud to be leading this organization in 2012-2013.

Right now, graduation seems like a long way off, but it'll come a lot faster than you think. Over the next four or five years you will have an amazing set of opportunities outside of the classroom – in student government, design teams, athletics, cultural and arts clubs and sometimes, to just relax and enjoy your university career. So if there is one piece of advice that I want to share with you, it's to do your best to capitalize on these years.

I think you will find, as I have, that the most valuable lessons that you take away from your time at U of T won't be the ones from your lectures. Ten or twenty years from now, if you can't quite remember how to solve non-linear differential equations, you can always look it up in a textbook. I can't say the same for leadership, teamwork or self-discipline – all things that we too often forget are crucial parts of success in any endeavour.

When you arrive here at Skule™ in September, you'll be inheriting the fruits of 127 years of student leadership. At any other school in Ontario, you wouldn't be reading this handbook right now, because no one would have taken the initiative to make one. This book represents just one of the many ways that students here have taken it upon themselves to leave this place better than how we found it. It is my sincere hope that as you pursue your studies here, you will find the time and motivation to do the same and give back to the community that will give you so much.

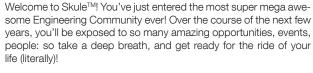
Sincerely,



Rishi Maharaj president@skule.ca

VP FINANCE & VP COMM (#)

VP Finance - Pierre Harfouche



As the Vice President Finance of the Engineering Society, I'll be responsible for a large budget dedicated to serving YOU! This budget will fund everything from Clubs you participate in, events to make your life just a little less stressful, and services to help you through school. So take advantage of it all – we're here to support you in your endeavours!

You should also check out the Engineering Stores! There, you can buy your whole 1st year set of textbooks (seriously if you need it, we'll get it!) as well as some cool supplies and Skule Swag! If you're hungry, you should check out the Hard Hat Cafe, it's a great and cheap lunch option right in the middle of the Engineering Campus!

F!rosh week is a great place for you to explore and gauge your interests. My biggest Skule tip? Always keep your professional development in mind while simultaneously staying focused on your academics! This will be challenging but extremely rewarding! Wherever you want to be in 4 to 5 years – a professional Engineer, a great academic, a consultant, all of the above or anything else you could possibly imagine – Engsoc can help you! I hope you make the most of the various opportunities School and Skule can offer you to make your dreams a reality here at U of T! Welcome!

VP Communications - Yerusha Nuh



Hellooooooo there 1T6s! I can't even begin to describe my excitement in welcoming you all to Skule™, to your home for the next few years of your life! I hope you are all as excited as I am! (Notice the exclamation marks?!)

I still remember my own F!rosh Week as vividly as yesterday; all of the craziness, the off-the-charts energy levels that made me and my fellow F!roshies jump up and down like electrons bouncing up and down the energy bands...

Of course, your own F!rosh Week will be its own

unique once-in-a-lifetime experience! But beyond the week, be sure to retain that Skule™ spirit within you. It's the spirit that made me proud that Ye Olde Mighty Skule™ Cannon has never lost in a gangbang

with Ryerson and that the Iron Ring tradition was born in U of T. It's the spirit that kept me going through the most boring (and interesting!) of lectures and pulled me into the heart of the Engineering community. But more importantly, it's the spirit that made me want to be a part of something bigger than just myself and to share with my fellow Skulemates the various opportunities that Skule™ offers. And that's why I'm here for you! As your VP Communications, I communicate. A lot. I will be sending friendly e-mail announcements throughout the year to keep you updated on what's hot and what's up for grabs. I also manage your Engineering Society publications: the canonically truthful, headline-delivering (online) Cannon, the humourous, gut-wrenching, mind-blasting Toike Oike,

EVP AOADEMIO & EXTERNAL

our lovely yearbook the Skulebook, and the very book you are reading right now. And if you're still missing something, you can always check out skule.ca or dig out ancient tales from the Skulepedia! So once again, welcome Class of 1T6! And although the next line is going to sound cliché, I'm going to say it anyways... There are endless things to explore and do at SkuleTM; all it takes is a pinch of curiosity, a little courage, and an open mind! (And if those fluffy things fail you, ping me at vpcomm@skule.ca.)

VP Academic - Matthrew Lattavo



Greetings young F!rosh! Welcome to your first year of what will likely be four (or five... or six) years that will define your life (at least until that unexpected mid-life-crisis career change). Welcome to Engineering! Between the partying (studying), late-night gaming (studying), earlymorning sleeping (studying), and shawarma devouring (studying) of your Skule™ life (studying), there will be a whole lot of one thing... studying (could you guess?). The learning at UofT is top-rate and second-to-none! And between the fun and games, you will probably be doing a lot of it. When you feel that your educational experience isn't quite living up to the "top-in-Canada" or "ranked-in-the-world" expectations, that's where I come in. The team of Class Reps, Faculty Committee Members, Discipline Clubs, and-of course-your Engineering Society VP Academic (that's me!) have been and will continue to work tirelessly to improve your academic experience. It's about getting the

ball rolling, and keeping it going once it's started. This year, when you experience something that doesn't seem to make sense, or see something happening when it could be done better, you will have people to discuss academic issues with, and make sure that the faculty hears about them!

Based on non-statistical evidence but rather a good hunch, at least 99.9999% of undergraduate students chose to go to UofT to receive an engineering education—and a great one at that! Let's ensure that UofT Engineering remains among the best in the world, and empowers the next generation of great engineers (that's you!) to create positive change and move the world forward!

Wishing you the best in your first year (and the 3-ish years to follow).

VP External - Anton Klunko



I would like to welcome all of you to the best Engineering school in Canada! You are the brightest minds that Canada has to offer and you should be very proud of yourself for making it this far. Don't stop now, however, because in front of you lies an opportunity to start building your legacy, one that will last for many years after you're gone. Your time here is not going to be easy, (but then again, you didn't come to Ryerson or York) but I assure you that you have all the tools at your disposal that will allow you to succeed, you need only ask. Remember that happiness doesn't always lie with getting the best marks, but with having a balanced life. You can be involved in so many different clubs, sports and other extra-curriculars, outside of academics here, that will make your life more fulfilling! My last piece of advice: step outside your comfort zone. There are going to be many wonderful opportunities for you here, but sometimes in order to seize them, you will have to try something new and differ ent. Good luck F!rosh.

VPSTUDENT LIFE&BM

VP Student Life - Ishan Gupta



Hello 1T6s! Welcome to Skule™. I am sure you are all extremely excited to begin university, make tons of new friends and dye yourself purple as many engineers before you have. I remember reading my F!rosh Handbook days before my F!rosh Week. I can still remember the mixed feelings of excitement, nervousness and anxiety before starting a new chapter in my life. Believe me, it is completely normal. Once Orientation begins though, you will forget all that and be consumed by the mind-blowing awesomeness that is F!rosh Week. Carry that feeling of excitement and camaraderie with you throughout the year and throughout your time here at Skule™. I am sure you have heard that Engineering is very challenging program, and I won't lie to you it is definitely demanding but with some good time management and a little hard work you will get through

it. The best tip I can give you for surviving first year is that if you mess up occasionally on a midterm or quiz... Don't let it get you down. Identify areas for improvement and strategies to study more effectively and use it as motivation to do better next time.

I really hope you enjoy your 4-5 years at UofT and make the most of the limitless opportunities you will be exposed to at $Skule^{TM}$. There is so much more to $Skule^{TM}$ Life than just academics (don't get me wrong.. academics are still very important though!). As your Vice President Student Life I am here to make sure you informed of all the various ways to get involved in the Engineering community. From design teams to cultural clubs to musical groups to intramural sports, $Skule^{TM}$ presents you with numerous ways to challenge yourself, learn something new and discover hidden talents and passions. If you can't seem to find a club or organization that suits your interests, then I would encourage you to start your own! Feel free to send me a message at vpstudentlife@skule. ca if you have questions about how to get involved, $Skule^{TM}$ Life, you just wanna hang out, you are lost or pretty much anything.

Good luck and have fun!

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, including Engineering Stores & Hard Hat Cafe and 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.



THE CANNON

THE CANNON

Oi Skuligans! Hearty congratulations for making it into U of T engineering! Welcome to the next level in the game of life where the difficulty setting has been literally cranked from easy to hideously sadistic. Your Skule life will ensure that you all will be upgraded from obnoxious teenagers into skeptical adults and enforce a paradigm shift that will make you change the outlook you had on life forever. You will learn how to

- 1) 'truly' study,
- 2) be happy with sub-par grades and
- 3) be content with a non-existent social life.

It's not too bad though, because at least you're better off, as compared to your unsuspecting classmates who are chose to pursue Arts and Science degrees. Why you ask? Because unlike them you won't be taking food orders from customers at fast food outlets after graduating (Unless you were planning that as a future career option all along, in which case it's absolutely fine.)

I guess it's high time that I turn off the cynicism before I inadvertently cause you to start rethinking your career decisions. So we are The Cannon, your friendly neighbourhood engineering newspaper. We publish news and make sure that the general public does not stay ignorant. This only made possible by members Skule apply their writing talents and artistic talents towards the creation of our newspaper. So if you

- 1) Have an opinion on the next Twilight movie / Justin Bieber's new album or
- 2) Spend your free tine facebooking therefore know everything happening around Skule or
- 3) Are simply a fun person to hang out with

Come out to the next Cannon meeting (date TBA) and help us make our creative vision a reality.

In other news, The Cannon shall be shall be breaking its 34 year old mould of publishing paper issues and moving to an online format to meet the needs of the short attention spans possessed by new generation of engineers coming into U of T. So if you have some well honed web design/graphic design skills, your help will be much appreciated. Enough rambling, I have to get back to game involving a midget Italian plumber beating the royal snot of a Hylian blonde pretty box.

Cynically yours,

Vijay Unnithan Cannon Editor-in-Chief 1T2-1T3

cannon@skule.ca

PS. (Unless the world ends on December 21st 2012, in which case I would have been editor only for 4 months...sob...)

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THE TO KE OKE





Welcome, young f!roshie, to the wonderful, wide world of words.

"What?!?" you exclaim in a flustered confusion. "Words? Words are what I came to engineering to avoid. If I wanted to deal with that shit, I would have taken some silly artsie degree! WHY ARE YOU DOING THIS TO ME?!?!" Now, now, there's no need to be like that. Come and sit down by the fire, pour yourself a drink, put your feet up. I'm going to introduce you to the vibrant and valiant Toike Oike, a U of T Engineering newspaper older than colour television, popup toasters and the internet.

Founded over 100 years ago, the Toike Oike was originally a "serious" newspaper for the Engineering Society, and has since evolved into a humor-focused publication. With a unique and very colourful history of borderline legality, blurred ethical lines and steamy scandal, the Toike is a battle-hardened comedy warrior with a blatant disregard for seriousness of any kind. Those who want to read something more "serious" will probably direct themselves in the general direction of a toilet paper dispenser another newspaper's stand, as the Toike doesn't really satisfy their needs. But that's not you, Flrosh. Our studies have shown that 9.5/10 Flrosh are satisfied by the Toike each month. And that's science, bitches. In the current era, The Toike Oike is what happens when the sum of U of T's finest, sexiest and intelligentest people come together to produce a humor newspaper that's wildly successful, unanimously critically applauded and unequivocally adored by students far and wide. How can we hold so many impressive, unquestionably legitimate titles at once? Perhaps it's due to the fact that we're the only humor newspaper around here, but don't quote me on that. (At least without removing the context first – zing!)

Each month we (the Toike staff) come together to produce something that will literally blow your mind. Not in that terrible calculus mind-blowy way, but in arguably the best way possible – with but-gusting laughs. We brainstorm ideas, we write articles, we photomanipulate images to suit our comedic agenda, we ingest copious amounts of BEvERages and wings, and we generally have an uproarious good time. What's more, we want you to come and join us, Flrosh. If you want to get involved and receive future Toike updates, you can do so in one (or all) of three ways:

- -Send an email to toike@skule.ca saying "I wanna join the Toike"
- -Sign up during the Engineering Clubs Fair or UTSU Clubs Fair.
- -Slip anonymous content under my door in large envelopes marked "CLASSI-FIED". That would be super bad-ass.

You'll find a your very own copy of the Toike placed lovingly within your frosh kit that you'll get at the start of F!rosh Week. You can take it home, hang out with it, and maybe even buy it dinner if you want. What you two do after that is up to you That's all y'all, peace out F!rosheeez,

Evan Boyce, Mech 1T5T1 Toike Oike Editor-in-Chief 1T2-1T3

Toike Tips: Toike Oike is pronunced: Toy-kee-oik
The back page of a Toike is predominantly black ink, and can be liberally
rubbed all over the face of your friends, a process known
as "Toiking". You may have to deal with some angry friends
afterwards, but at least their faces will look funny.



PUBLICATIONS

F!rosh Handbook



What's this? Are we talking about the F!rosh Handbook within the F!rosh Handbook?! So meta...(knight?)

That's right, the Flrosh handbook is this wonderful conglomeration of information that you're holding in your fingers right now. And, as you have probably already figured out, its main purpose is to be an awesome distillation of everything that you need (and don't need) to know for your introduction into the wild world of SKULE™. Kinda like one of those Super Smash Bros. strategy guides, except this one works IRL! We promise!

The Editor-in-Chief for this wonderful (and highly modest) publication is elected by the Engineering Society in April and only a F!rosh can hold the position! On top of designing this handbook, you also get to put together the mighty SkuleTM Planner the following summer (what a great deal!). With all these work, you are rewarded with a fancy green project director hardhat, which makes this challenging and frustrating job worthwhile. If you're a master manipulator of InDesign, Illustrator and Photoshop, you will find your skills coming in handy. However, it's always possible to learn on

the job as well! If you're still confused what this book is all about or just want to know more about the things in it, send me an email at **handbook@skule.ca**! I'd love to talk to you about anything related to handbook or SkuleTM!

Skulebook

- 1. The awesome yearbook for engineering students at the University of Toronto, filled with Skule spirit and purple dye
- 2. The documentation for Skule clubs, events and people; Published once a year
- 3.An archiving material for Skule, usually hard-covered; Has taken the form of one or two books in the past
- 4.A fully coloured book that is free with your engineering F!rosh kit (so come pick it up around March)
- 5. That thing that you could look at again 10 years from now to remind (or make fun of) your friend about how he had a crush on that only girl in your class
- 6. That thing that you could look at again 10 years from now to assure yourself of who you've met before: hey I think that person was in my class, hmm... better check my Skulebook to be sure.
- 7.Usually made possible by a team of fun, passionate, creative, and organized people. New and talented members are welcome join the team: "Hey I'm a F!rosh but can I be involved with Skulebook?" "Definitely! Contact skulebook@g.skule.ca for details"

Skule.ca

Coming later this summer: **Skule.ca** is your Engineering online experience. Use it to keep on top of the stuff you care about. Be the first to know about the latest events, and get the latest photo



galleries and updates. Connect with Skule's communities and clubs, and find ways you can be involved in Skule. For the academically inclined, enjoy zero-click access to past exams right from the front page. Looking to get a job? New to skule.ca this year are guides for career and professional development. It's simply the best of Skule right in one place: on your web browser

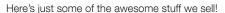
ENGINEERING STORES 🧩

Each and every one of you are reading this handbook and thinking "This is awesome, I loved rocking some old-skule super smash bros. on N64 back in the day.... But my parents are probably going to sell me to a band of gypsies and give away my N64 if I don't pass this year...so where can I get those sweet, sweet textbooks?!?!"

Well look no further because Engineering Stores is your one-stop shop for EVERY FIRST YEAR TEXTBOOK IN EXISTENCE, as well as some sweet Skule swag.

So here's how it works: We get our textbook list directly from your professors at the first year office to ensure that all you F!rosh get the

right books for your book-learning. Then we sell it at the CHEAPEST PRICE ON CAMPUS! We are located in the basement of Sanford Fleming building (where you will most likely dwell for the next 4-5 years), and are open throughout F!rosh week!



- Skule™ T-shirts
- Discipline T-shirts
- Polos
- Hoodies
- Lab Notebooks
- Pens
- Pencils
- Lead
- Official Faculty Notepads (you'll need this to get marks... really)
- Report Covers

- Drafting Tools
- Muas
- Shot Glasses
- Patches
- More Patches
- Tickets to Skule™ Events

GINEERING

- Coveralls
- Leather Jackets
- Memorabilia items
- Much much more!

Mark Brunski, Operations Manager Laura Burget, Finance Manager



HARD HAT CAFÉ & SUDS

Hard Hat Café



In the middle of a brawl against schoolwork, it's always good to stop by the Hard Hat Café for some healing food. We sell meals, snacks, and everything in between. If you need a lift, there's coffee. If you are sad, there are cookies, ice-cream and chocolate so you can pick yourself back up

and falcon punch assignments. We have all the food you can ever want without breaking your wallet.

We are located in the atrium of the Sandford Fleming arena, the perfect stop between challenges. So the next time your damage percentage is high, stop by the Hard Hat Café for some healing food. Trust us; you don't want schoolwork to knock you out because you only have 3 stock lives.

Love,

Maggie Cai and Kunal Taneja Finance Manager and Operations Manager

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 beach parties. There's even rumors of a black-light graffiti night 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 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 the BEv-ERages flowing and the managers happy:

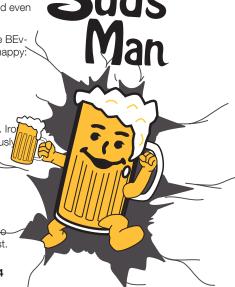
- Obey gravity
- People of all ages are welcome at SUDS
- No outside alcohol come in.
- No inside alcohol goes out.
- To drink alcohol you need a wristband.
- To get a wristband you need to prove you're 19. Irorigns, credit cards and T-cards don't count. Seriously
- No sex in the women's bathroom
- No pyrotechnics.

Want to work at SUDS? Are you 18? Come say hi to either of the managers, or email **suds@skule.ca** to get server trained.

Hate the music? Want more dubstep? Come up to the front and make a request.

See you at F!rosh Week!

Andrew Barolet Mech 1T4
Gordon Tattle Civ 1T4



DINNER DANCES



Club Dinner Dances

During the SkuleTM year, each discipline has their own dinner dance. These dances are semiformal and are a great way for you to relax with your new found friends and not think about your pile of books and assignments. If you are the adventurous type, don't be afraid to get a feel for the other discipline dances as well. You get to meet a lot of new people and can gloat about how much better your discipline dance was!

Cannonball

Nothing says "We'll miss you, Godiva Week" like a dazzling semiformal packed with all the friends you've made during your first semester at Skule™. That's what the Cannonball is. Imagine prom, but a googolplex times better. You know that awful feeling you get when the best week of your life is over and to top it all off, you need to go pick up back-to-school supplies? Yeah, we all get it, and the only cure is the Cannonball. This may just be better than your wedding, graduation, birthday, and birth, combined. A.K.A. the best night of your life, or your money back, but not really.

tars.

sfully try to re-create it at home. The Stage Band
Lady Godiva Memorial Bnad arrives. If we're lucky
so loud, you'll smell it. And when it's all said and

The venue will be so brilliant, you'll be seeing stars.

The food will be so delectable, you'll unsuccessfully try to re-create it at home. The Stage Band will be so bumpin', you'll be grooving until the Lady Godiva Memorial Bnad arrives. If we're lucky enough to have it, our beloved mascot will be so loud, you'll smell it. And when it's all said and done, nostalgia will set in, followed by many months of depression. Cannonball 1T2. Be there. Or Be Squared.

Gradball

This dazzling dance is not only for graduating engineers, in fact all engineers can attend Gradball (yes even you silly F!rosh!). Everyone enjoys the snazzy atmosphere and congratulating the graduating class with special awards given out to deserving upper year students. Much like the other dances, Gradball is usually crashed by some certain noise people/mascots.

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 Athlet-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?!



SGT & SKULETM

Skule's Got Talent



Welcome, 1T6s. You will soon begin your foray into the (not so) mysterious world of engineering. Every one of you obviously has brains and talent, especially since you've chosen to come to UofT 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 grueling 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 public auditions and a big finale. Any and all talents welcome to come out and perform! This is one extraordinary show you don't want to miss!

Check us out at: http://www.facebook.com/SkulesGotTalent Keep it real 1T6s and see you at the live show!

SKULETM KUP



F!rosh Week is over. Godiva Week isn't for another 4 months. You're getting your ass handed to you by Master Hand. Where is the Skule Spirit? What do I do with my spare time? What can I do to show my discipline pride? How do you beat Master Hand AGAIN? - These are some questions that you ask yourself, but have no fear, Skule Kup is here!

What is Skule Kup, you may ask? Well the answer is simple: Skule Kup is a year long interdisciplinary competition! Basically, we take disciplines within Skule and pit them against each other in various types of competitions, games and events throughout the year! And what is this all for? The Skule Kup, being the best discipline at Skule and bragging rights until the next discipline is crowned champion! It's kind of like Super Smash Bros. except we're not Nintendo characters, we're engineers! In the past, we have held events

such as The Amazing Race, Skoosball (a foosball tournament) and Capture the Flag!

If you're super excited and super pumped for F!rosh Week (which you are, of course), then we can keep you super pumped. super excited and super spirited throughout the Skule Year! If you have any questions email us at kup@ skule.ca!



SKULE NITE





Hello F!rosh!

Do you want to act crazy, dance, and sing at U of T's historic Hart House Theatre? Maybe you'd like to play with power tools or take control of dazzling lights and sound effects? Or perhaps you're dying to be in a killer orchestra? If you said "F!ROSH YEAH!", "Totally!", "Yeah!", "That sounds fun!", "Maybe!" to any of the above, or even just read this paragraph without saying anything at all, we want YOU to be a part of Skule Nite 1T3!

Since 1923, Skule Nite has been U of T Engineering's Musical-Comedy Revue. Skule Nite is part sketch comedy (a la Saturday Night Live, Second City, etc.), part musical extravangaza (a la Broadway, Disney, etc.), and is one of the single most fun and professional theatrical experiences you can have in Engineering, at U of T, and in the ENTIRE WORLD! Every March, the show hits the Hart House stage for four magical nights (see the website **skulenite.skule.ca** for exact dates and more information).

But perhaps the best part of Skule Nite is the great number of people (just like you!) that pull together every year and make it happen! Here are just a few ways YOU can help make Skule Nite 1T3 amazing! (Absolutely no experience required!)

CAST – Act, sing, and dance your way through comedic sketches and big broadway musical numbers!

BAND – Instruments of all kinds are needed for Skule Nite's fantastic orchestra! **BUILDING CREW** – So I heard you like to play with power tools! Design, construct, and paint awesome sets and props for the show!

STAGE CREW – A chance to become an invisible and silent behind-the-scenes ninia!

TECH CREW – What is a show without lights and sound? Be the eyes and ears of the greatest show on earth while playing with some fun electronics!

COSTUMERS – So it's been your dream to make the cast look straight outta Bollywood or Captain Planet and the Planeteers? LIVE THE DREAM!

PRODUCTION – Show off your organizational and interpersonal "skillz" with the production team as you help to make the show a reality!

THE AUDIENCE – It's the least you could do, because F!rosh get a FREE TICKET with their purchase of a F!rosh kit!

With your help, 1T3 will be the BEST SKULE NITE EVER!

Scott Whitty & Christopher Sun





After F!rosh week, the fun doesn't stop. In your first week back from winter break there's a bunch of awesome stuff to do! 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, Flrosh 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 events, 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 Baby Bnad Leedur and D(r)umb

Miner of the Lady Godiva Memorial Bnad are also selected during Godiva's Wake.

BLUE & GOLD + EAA





Hello incoming flrosh of 1T6! So you're probably wondering what other things you can do during the year that doesn't involve studying for midterms and doing problem sets or labs? Join the Blue and Gold Committee and find out! We're a fun loving social committee that's dedicated to making you forget about the worries of academics and help you enjoy SkuleTM.

Throughout the year we organize some awesometastic events that will keep you yearning for more! We've got the bed races (happens during F!rosh Week!!). We also build an engineering float during the Homecoming parade, which was awesome last year (see picture)! You can be a part of it this year! Come and find out!

So there's F!rosh week in fall, and then in January at the beginning of the winter semester, there's something even more fun! GODIVA WEEK! Woohooo! So what's Godiva Week you ask? It's the engineering spirit week where we, the Blue and Gold Committee, host a bunch of outrageous events where there will be lots of pant dropping, chariot racing, BEvERage consuming and all round fun-loving! (If you are allergic to any of these, we recommend that you attend regardless) We also organize some bus trips for example to Waterloo(ser) for Oktoberfest and other mystery locations to Drink an Unsuspecting Small Town Establishment Dry (DUSTED)! It's tons of fun!



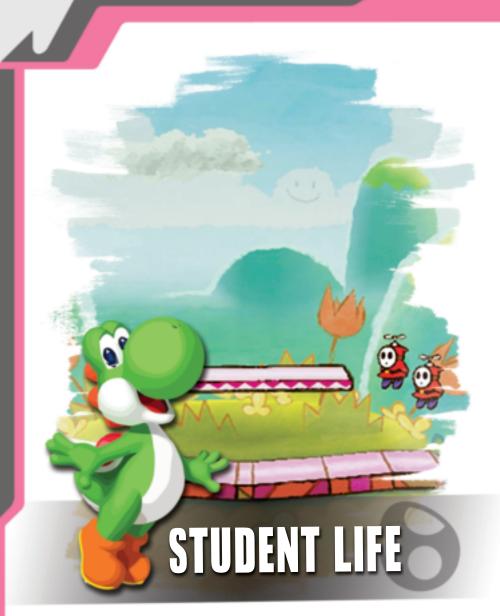
Don't drink? Well don't worry! We plan events to cater to everyone! Bowling? Rock Climbing? Game/Movie/TV Show/Sports nights? You name it and we'll try our best to make it happen!

Ever used power tools before? Well we own quite an arsenal of power tools and we'll be willing to help you learn and master this craft!

How to join? Send us an email at **blueandgold@skule**. ca and we'll add you onto our mailing list! Join the Blue and Gold Committee for the best times of your lives!

Engineering Atheletics Association (EAA)

The Engineering Athletics Association organizes all the Skule™ intramural sports teams in the U of T community, as well as several interest clubs. We have teams from Ice Hockey to Field Hockey, Volleyball to Rugby and everything in between (ever tried Lacrosse? Or Innertube Waterpolo?). 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! Come drop by our booth on Clubs Day or sign up on our website, www.eaa.skule.ca



UNLOCK BY: DIVING INTO SKULE™

HAZARDS: THE 50% EXAM NEXT DAY AT 0900H ORIGIN: NOT DOING YOUR HOMEWORK

SKULETH MATE

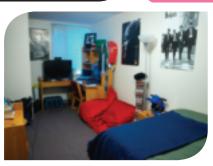
REZLIFE



Socialize - Get to meet and live with people from all over the world. You will have greater interaction with peers, faculty, students and learning services.

The Best Location – Close to classes and the libraries at all times. Residences are in the heart of downtown Toronto and only minutes from the Engineering Complex, libraries, and the Athletic Centre. You are in the middle of all the action!

Involvement – You are able to participate in all kinds of on-campus clubs and activities without having to worry about missing the last bus home.



Support and Connections – There is always someone around to study or socialize with (read 'party'). Most of the people living in residence are very friendly.

Convenience – With meal plans (except Innis), complimentary internet, and laundry facilities onsite, living in residence couldn't be any easier.

Fun – Residences usually organize activities and allow you to interact with a lot of different people. In residence, everyone is positive, encouraging and fun.

Safety and Security - 24 hour porters and/or security cameras are a part of each residence, making sure you have the security you need.

Higher Academic Success – An increased level of social and extra-curricular involvement has shown to boost the rate of student success.

Leadership Opportunities – There are ample opportunities to be a leader in residence. Students can serve on the Student Residence Council, become a member of the Residence Life Team and act as a representative on a number of committees.

Student Consultation – Student consultation is an important part of residence, evolving as a student service on campus. There are a variety of ways that residents can provide their input.

Independance – While this may mean no more home cooked meals, magically completed laundry, or daily vacuumed carpets, it also means no more questions when you decide to finally wander home at 3am.



RESIDENCE CHECKLIST

Living in residence will feel a bit different than living at home. It is important to take what you need and avoid what you don't need. While it may seem like a good idea to move everything in your room to your residence, moving in and out can be a pain. Here is a list of items that will help you pack lightly, but enough to last you for the year.

Laundry Basket and Detergent – Time to start learning how to do your own laundry!
■ Bedding and Linens – These will not be provided. Although some residences do provide pillows, you will probably want to bring your own.
Clothes hangers – You will only get a couple of these, but bring no more than you need!
Computer – A laptop is recommended as it is more convenient. You may also want to bring a printer for emergency printing, but you will be given a quota of around 1000 pages for printing at the ECF labs per semester—useful for printing past midterms and exams.
Flip-Flops - Needless to say, you'll want these for dormitory showers.
Desk Lamp – The lighting in your residences is not likely to be optimal for reading and studying.
Bathroom/Shower supplies - Being clean is beneficial to you and your peers. Do it.
Alarm clocks – You should probably have more than one of these for those early exam mornings. Remember that an engineer always designs for failure.
Posters - They'll make your white wall look nice and adds some flavour to your room.
Medicine/First aid kit - You don't want to be running around asking for a band-aid.
Mini Fridge - Recommended for late night snacks and BEvERages.
Stuff for hobbies – Schoolwork is important, but don't lose your hobbies! Bring what you need to give yourself a break.
Equipment - It's always better to be prepared. Items like a kettle, a water filter, plates, bowls, and forks are lifesavers. Basic toiletries and a laundry basket are a must. Also, take note that it costs an additional (not part of your residence fees) ~\$2 to dry and wash your clothes.

Additional Tips

Eating and Cooking - \overline{Y} ou paid for a meal plan, so it'd be wise to use to its fullest. If you feel like a change from your meal plan or the food in Hardhat Cafe, you can always take a short walk off campus for the myriad of eateries nearby. You could even cook on your own in the common room or apartment.

Cleaning - Aim to keep your room neat and for God's sake, DO YOUR LAUNDRY! You don't want to mix up your 4 hour Chem labs with your rough work, or exit the shower one day to realize that you've run out of underwear. Trust me on this. Even though you may not mind, always check with your roommate—he/she might. Need a vacuum or mop? Your residences will have one you can borrow.

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RESIDENCE BUILDINGS (8)

New College



There are three buildings at New College. The two old buildings which were built in 1976 are connected and the new building which was built in 2003 is located right opposite the old buildings. All these three buildings are very close to your classes. This can be very advantageous when you are running late for classes or getting over that hangover from the previous night's party. As a resident of New College, you are required to get a meal plan. This gives you access to the cafeteria located in the old building where you can enjoy the All-You-Care-to-Eat meals every day. You may also choose to cook some late night meals in one of the common rooms on your floor. New College also has two bike storage rooms, one exercise room (in the new building), a library and two music practice rooms each equipped with a piano.

Chestnut

Although 89 Chestnut Residence is right in the heart of downtown Toronto and only steps to Eaton Centre, you will need to spend 10-15 minutes walking to school every morning. The walk is a good daily exercise (for those exam days where you accidentally slept in, you will always find a cab outside the residence that will take you to campus for ~\$8). The building is hotel-styled and cleaning services are provided once a week. The food is the best among all other residences and residents holding 330 or 15 Meals Plans are allowed to go to New College for lunch; bag meals are another choice. Chestnut has a few studying areas in the main floor lounge and the 27th floor, and the entire 28th floor opens for studying during exam period.



Innis



Innis is one of the two apartment style residences on campus where you will get to live with up to four other people. While it is highly competitive to get into Innis, you will have to cook your own food in your suite's kitchen. At Innis, there are five study rooms where you can study in groups or individually or work on projects until late at night. There is also a gym, a mu-

sic room, a games room equipped with a pool table and a foosball table, two TV rooms with plasma TVs, and the Fish Bowl where you can chill with your friends. Every month Innis holds House Olympics. Every resident belongs to a certain house, and you can gain house points for your house based on the participation and the results of the House Olympics. You will definitely gain a lot by participating in the year-long competition.



FOR COMMUTIERS

Unfortunately, very few of us have mastered the ability to teleport like the Mewtwos . So if you're not living in residence, chances are you'll be commuting. You have probably already planned out everything for the arduous journey to and from campus. If you haven't, do NOT leave this for last minute. We compiled a list of advice, tips and cheats from commuters. Here's what they had to say:

Stay Connected - Try your best to get involved with campus life. Juggling it in with your commute will be a challenge, but it will help keep your life from school to home to school to home.

Pack Snacks – Pack a good, healthy lunch and snacks for between classes. Pack dinner—you will need it on some days. And always try to keep some spare cash for emergencies.

Sleep on the Bus – Take the first few weeks of school to train yourself to sleep on the bus and wake up right when it reaches your stop. You may sleep past your stop a few times, but you'll thank me later for those refreshing naps.

Avoid Rush Hour – You are better off staying late on campus working in a library than wasting your time commuting during rush hour. It will be hard to do any work on your commute, and when you get home, you will be too tempted to take out the N64 for a couple games of Smash Bros.

Rent a Locker – Whether it be for storing textbooks or rugby gear, lockers will always come in handy. You can rent one at lockers.skule.ca for \$30 to \$100 depending on size.

Make Res Friends - They will help you steal food from their cafs. They will help you get into res parties. And they will give you floor space to crash on for those days when you are simply too "tired" to commute.

Get Acquainted with your Common Room – It's a good place to hangout. Try to find a comfy spot that you can claim for those days when your res friends are not accommodating.

Transportation Services

If you need help planning your route, you can use the following services to find out about routes, timings and fares:

TTC (www.ttc.ca) – Most used and probably the cheapest, the TTC can be used to get almost anywhere within city limits, and then some. However, beware of peak-hour rushes and frequent delays. A post-secondary monthly pass will cost you \$104/month plus the onetime cost of obtaining a post-secondary ID card for \$5.25. It's also a great idea to follow @TTCnotices on twitter for their service advisories and updates before you head out for the day.

GO Transit (www.gotransit.com) – Faster, more reliable and much more comfortable than the TTC, GO Transit will make for a much better commute. However, it has very limited routes and will probably cost you more than the TTC. Look into obtaining a PRESTO Card (www.prestocard.ca) for some savings.

UofT Shuttle Bus (www.utm.utoronto.ca/shuttle/) – Students living close to UofT's Mississauga campus are in luck—there's a shuttle that can take them from campus to campus. It comes at a cost of \$6 per ride or \$500 for a pemester pass.

Google Maps (maps.google.ca) – Google Maps has Toronto transit schedules built into its system. A handy and very easy way to plan your route.

So... commuting could take half an hour for some, and at least 2 hours for others. For the most part, you're pretty much sitting in a seat until you reach your stop (unless you have no choice but to stand... how dreadful). Put the time to some use—sleep, read, memorize the strengths and weaknesses of all the Smash Bros characters—if nothing else, I hear you can install Nintendo 64 emulators on your smartphone...

FOR INTERNATIONAL STUDENTS (8)

Remember when Marth was introduced as a new Smash Bros character? Think of how he must have felt being in this strange new world. This is what a lot of international students have to face. But have no fear, F!rosh Handbook is here! We compiled a few tips that will help you settle into Toronto life faster and easier.

Explore – Toronto has a lot to offer you. If you can, it would be very helpful to arrive in Toronto a few days before F!rosh Week, grab a backpack and a map, and simply walk around downtown; it is the best way to learn your way around. Explore campus, and walk the route from your residence to the Engineering Complex. Learn how the TTC works and see if you can discover all the wonders Toronto has to offer.

Make Friends – Make friends with people from the same country you come from—it will help you from feeling too homesick. Make friends with people from around here—they will be able to best show you how wonderful Toronto is. Make friends from other countries—you will be exposed to different cultures that will help you grow as an individual. Also, when you decide to go on that backpacking tour of Europe, some of those friends may come in handy...

Travel – Within a short commute with the TTC, you can find yourself in Little Italy, Little India, Chinatown, Greek Town, Korea Town. Toronto is defined by its multiculturalism; wherever you are coming from, chances are there is a group, or maybe even a university club, with people from the same place. They will help you settle down, introduce you to so much that Toronto has to offer, and they will also help with any homesickness.

Beware Old-Man-Winter – A lot of you come from places where you have never seen snow. For some of you, 20°C is sweater weather. Over here, 20°C means we break out the shorts. It can get bitingly cold in the winter. You will wake up to 12 feet of snow—this is usually when polar bears wander south to downtown Toronto (they may look huggable, but I REALLY don't advise it). Pack lots of warm clothes, and buy a pair of boots when you get here with your newest Canadian friend!

You will see a lot of wonders in Toronto: men with bushy mustaches in red uniforms riding horses (we call them the RCMP), lots of French signs (our textbooks are twice normal size—they come with English and French), hockey players (anyone with a few teeth missing), maple trees (the Maple Syrup Club spends their lunch tapping maple trees for their sweet, sweet syrup). Don't be weirded out; go up to them and ask how you can join in the fun!





HEALTH & WELLNESS

health and wellness.

healthandwellness.utoronto.ca

At the University of Toronto St. George (UTSG), Health and Wellness consists of three services: Health Services, Counselling and Psychological Services and Health Promotion Programs. Across these services, a team of health professionals works to support U of T students to achieve their academic and personal best.

Launched in the fall 2011, and in recognition of the challenges for Engineering students to use our services, we are working in partnership with the Faculty to provide access to a personal counselor on site. You can meet with our counselor Laurie Coleman or attend one of the stress management sessions to learn how to juggle the demands of student life and stay healthy.

Leave The Pack Behind is a student-led project that offers students information and education on the immediate health risks of smoking, nicotine addiction, and second hand smoke, as well as a wide range of effective, sustainable smoking-cessation services. For more information on LTPB and its activities on campus visit their website www.leavethepackbehind.org/toronto

Student Health 101 is our online health and wellness magazine, designed just for students. Your good health is one of the most important resources you have as you work to achieve your goals. Each issue covers a broad range of topics, such as how to staving healthy, find a job, deal with roommate problems, and get the grades you want. You'll find the current issue on our website at www.healthandwellness.utoronto.ca

Green Dot is a university wide strategy to engage everyone as active bystanders in the prevention of power based personal violence. A Green Dot is your individual choice to make our university safer. Find out more about the Green Dot initiative at http://healthandwellness.utoronto.ca/ GreenDot.htm

Health Services 214 College St, 2nd Floor 416-978-8030

Counselling & Psychological Services | Health Promotion Programs 214 College St, Main Floor 416-978-8070

214 College St, 2nd Floor, Room 231

Worried about adjusting and doing well in classes? We have so many services to help you out! We know that adjusting to university can be challenging, regardless of whether you're an international student or a local student. So we have many services embedded in the Faculty to help Engineering students with their specific transition challenges. If you are struggling personally and/ or academically, or you're doing well but want to find that edge to do even BETTER, then you can go to the First Year Office (for Core 8 and T1 students) or the Engineering Science office to talk to your academic counsellor. They can help you book an appointment directly with one or more of the following specialists to ensure you can perform at your best here!

- Academic Skills Advisor to improve exam performance, note taking skills, study habits and problem solving
- Career Advisor to get informed about your future career options and to learn about what emplovers are looking for in candidates
- International Student Advisor to discuss transition issues or administrative issues like your study permit
 - Personal Counselor to talk about personal or emotional challenges like anxiety or depression
 - If you just want to learn more about these services or to get an appointment, please email the First Year Office at firstyr@ecf.utoronto.ca or the Engineering Science Year 1 and 2 counselor at nsci1 2@ecf.utoronto.ca!

MOBILE APPS



Yay smartphones! I'm sure you have already downloaded enough games to distract yourself in APS111 or Praxis. But did you know that there's more than just games in the app stores?! I know, mind blown. Here are just some of the apps that we think are useful for the school year.

iStudiez Pro (iOS, \$0.99)



This app is as cool as its name is lame. It helps you put your entire schedule on your phone, remind you of classes, keep track of homework, record professor and TA contact information, and calculate your grade. It really does it all, and for \$0.99, it's a steal! For an Android alternative, I have heard good things about Class Buddy.

Wolfram Alpha (iOS & Android, \$1.99 & \$4.09)



Wolfram Alpha is a must have for Engineering students. You can use it for anything math or science related, such as graphing cardioid, integrating functions and understanding mechanics. The website is free so if you don't want to spend money, go ahead and use wifi or 3G on your phone to search on www.wolframalpha.com

Blackboard (iOS & Android, Free)



It's time to get used to Blackboard, the teacher-student communication portal. It's horrible, but we have no choice other than to use it. The Blackboard app actually makes navigation much simpler than what it is on the website, as it gets rid of a lot of the extraneous stuff. Quite useful.

Graphing Calculator (iOS, \$1.99)



Graphing calculators are useful and awesome. For a cleaner but more expensive version, try Graph It for \$2.99. Android users can look into the Algeo Graphing Calculator, which is free.

EMD PTE (iOS & Android, Free)



A periodic table app that gives you the information you need for a given element. It doesn't hurt that it's well designed, looks slick, and, the best part, costs nothing. If you want to get rid of the ads, it will only cost you \$1.

Grades 2 (iOS, Free)



Want to know what you have to get on that midterm so you can keep your 75? This app will use your marks to tell you exactly what you need on the remaining quizzes, assignments, midterms, and exams to reach your desired level of success.

Rocket Man (iOS, Free)



A great app for commuters, this app is perfect for navigating the TTC. The app does require an internet connection though; for an offline app, look into TO Mobile. For Android users, you can look into Next TTC.

Scan (iOS, Free)



Simple, easy to use, and totally free, Scan is a great QR code scanner. Can definitely come in handy - trust me. Android users, try out QR Droid.

EVENTS NEAR CAMPUS

There is always something happening in Toronto. Whether you enjoy watching sports or going to concerts, enjoying live music or tasting new foods, or even if you don't enjoy any of those, you will be able to find something fun to do. Here are just a few more famous Toronto events around campus.



The Ex! (August 17 - September 3 2012, CNE Grounds)
The Ex!, or the Canadian National Exhibition, takes place at the end of the summer every year. You will find a lot to help you forget of the inevitable end of summer, including thrill rides, concerts, shows, and deep-fried mars bars.

Nuit Blanche (September 29 2012, Downtown Toronto)

An art festival that takes place during the night, Nuit Blanche really is something to see. Although not strictly an on campus event, U of T does hold a few contemporary art exhibits of the city wide art festival. Don't forget to check out the rest within downtown as well.

Hart House Theatre (Throughout the year, Hart House Theatre)

Run by the university community, Hart House Theatre always has a good line-up of performances each year. This year includes the classic Romeo and Juliet, which runs Nov 7-24, and a musical version of Robin Hood, running Jan 11-26. Check it out here: http://harthousetheatre.ca

Winterlicious (Jan-Feb 2013, Various restaurants in Toronto)



This is a must-go event for foodies. Once every winter and summer for a couple weeks, fine dining restaurants in Toronto offer set-menu meals at much lower prices than normal. It's a great chance to eat at some of Toronto's best restaurants and not kill your student budget! Visit their website at www.toronto.ca/winterlicious/ for more information.

Toronto International Film Festival (September 2013, Various theatres)



World renowned, the Toronto International Film Festival (TIFF) showcases Canadian and international film for cinema-lovers all around the world. People come to Toronto to explore and discover new films made by famous and indy artists. You wouldn't have to look too hard to see some celebrities around either!

New Years Eve Bash (December 31 2012, Nathan Phillips Square)

Every New Years Eve, City TV holds an event at Nathan Phillips Square to countdown the new year. There is always good live music and good fun. If the crazy club parties is not your scene, this might be another option. Also, keep in mind that Nathan Phillips Square is set up as an outdoor skating rink with skate rentals during the entire winter.



ATHUETTO FACILITIES



Athletics are important in keeping fit. Whether you're a weight lifter, a light jogger or a sports enthusiast, U of T has you covered.

Athletic Centre (AC)



The first eye-catching part of this giant building is the Olympic-sized pool. The smell of chlorine and the echoing sound of a whistle will instantly lure you into aquatic sports. The building also incorporates three gyms and one 250m track. Many intramural games and Varsity Blues games will take place here. There is also a fully equipped Strength and Conditioning Centre on the first floor of the AC. Each week, the AC will have a Drop-In Recreational schedule where students can meet other people with similar interests. Check out www.athletics.utoronto.ca for more details.

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 few intramural Skule Leagues play their games here. The Upper Gym has a 150m banked oval track with stationary bikes and other machines in the centre, perfect for running in the winter. Hart House sometimes even offers free Fitness Classes, so be sure to check those out. Details at harthouse.ca/recreation.

Varsity Centre



The sports facility that is most noticeable to the public is the large field on Bloor at St. George. With a 5000 seat stadium, a 400m eight lane artificial turf track and an Olym-

pic sized ice rink, Varsity Field is where most of the university's teams train and play; students are free to run on the track at times when it is available. Some university organized intramurals also take place here, and there are recreational times for the field

and rink. Check out physical.utoronto.ca/FacilitiesAndMem-berships/Varsity_Centre.aspx for more details



UofT Engineering Iron Dragons



The Iron Dragons were formed in 1997 to allow U of T engineering students to participate in the exciting and rewarding experience that is dragon boating. It provides an environment that builds teamwork, communication and friendship. Every summer, the team competes in multiplayer battles (regattas) throughout Ontario and Quebec. Besides their competitive presence the Iron Dragons are affectionately known as the loudest and most spirited team on the

water! The team is about 50 Fighting Polygons (male and female U of T engineering students), managed by a few Captain Falcons (also engineering students), and coached by Master Hand and a couple Pokemon Trainers (engineering alumni). Within the team, there are two racing crews, one competitive and the other elite - if you are looking to push your limits, this team is definitely for you, if you just want to get super-fit and learn the sport, we have something for you as well. Iron Dragons will take you from an average Ness and give you the strength of Donkey Kong, the speed of Sheik, and the stamina of Mr. Game & Watch! Beyond the physical, the Iron Dragons will soon become your new family - leaving you with fond memories and lifetime friendships. Find us during F!rosh Week. If you are away at Dr. Mario's office and you miss the fair, send us an email at dragonboat@skule.ca and we will be glad to send you details of the upcoming season! Tryouts begin soon, so stay updated by visiting our website: dragonboat.skule.ca! See you on the water, Young Link!

UofT Ski and Snowboard Club

■ We are boarders and skilers who like to have fun! Since 2005, the University of Toronto Ski and Snowboard Club (UTSSC) has promoted the opportunity for campus and community members $^{\rm B}$ $^{\rm O}$ $^{\rm A}$ $^{\rm R}$ $^{\rm D}$ to socialize while enjoying a healthy and active Canadian pas-

time. Every winter, numerous passionate riders miss the opportunity to visit the slopes due to the lack of economical transportation to various ski resorts. As a strong core for students and adults in the downtown vicinity, UTSSC organizes reasonably priced weekly day trips and reading week trips to ski resorts in Ontario, Quebec and the United States, while also building a strong community for those with shared interests in the winter sports.

U of T Quidditch Team



Quidditch is the real life sports game from the popular Harry Potter series. Team members learn, practice, and play Quidditch. This group provides a community for Harry Potter fans as well as athletic members looking to enjoy themselves.

The UofT Quidditch Team - also known as "The Nifflers" because we search for gold - was formed early in 2009 when members of the McGill Quidditch team travelled through a blistering cold Canadian winter storm to pass on the skills of the sport to their Toronto brothers.

Chinese Engineering Students Association (CESA)



工程系中図同學會 For the past 37 years, the Chinese Engineering Students' Association (CESA) has been a student-run, non-profit organization dedicated to promoting Chinese culture and fostering friendships and networks between students. CESA has grown to become one of the largest clubs within the engineering faculty, having over 350 undergraduate, graduate, and alumni students. Not only do you get to meet new friends at

our social events, but CESA also provides many other helpful services and also a few surprises throughout the year. Come enjoy delicious food and eye-

catching performances while celebrating Chinese festivals with us, receive discounts at stores around Toronto, compete in our CESA sports' tournaments, enjoy our own CESA Times magazine loaded contents you will love, and much more!

Join us and you will also receive many great CESA membership products, which include: membership cards, discount booklets (extremely useful), clipboards, and more! Be sure to look out for our CESA booth around campus during F!rosh week!

LGBTQASE



LGBTQASE is social meeting group which strives to create inclusive spaces within engineering regardless of gender or sexual identities, expressions or any other label. We support LGBTQ identified students as well as encourage the education of allies to make engineering a safe and accepting environment for all students. Our goal is to bridge the gap between engineering and the LGBTQ community which is strong in Toronto. We work alongside other LGBTQ and interest groups on campus to build community and harness leadership abilities in our members.

Now you might be asking yourself, what do we actually do? The simple answer is we do what you want to do! We do everything from video games nights to organizing laser tag, going to the AGO to playing Frisbee on the front campus. We try and listen to our members, trying to organize events which cater to students who want to build friendships in a safe and positive space!

Engineering Chinese Club



WAZZZZZ UP new frosh, Since you are reading this, it must've meant that this year's handbook is god damn successful. Engineering Chinese Club, or ECC, welcomes you to join us so we can provide you with EVERYTHING you need. The ECC is a non-profit student owned organization that's built around helping you enjoy your life at SKULE. Now moving on to what's important to you, good marks and a beautiful significant other. I am not a prof, so I can't just give you a good mark. But through our numerous social

events you will get to meet friends which you'll remember for life. Or if you are lucky, that friend of yours might just become your future T.A, or the beautiful significant other. You can't lose from this. Many of you may complain that engineering lacks girls, or guys lack passion. No matter, we have multiple artsci collaboration events such as the Canada's Wonderland Trip or You Are the One dating event to give you the perfect opportunity to show off your attractiveness. Come and find us at the club fair, you wouldn't want to miss out on what we have to offer for you. Literally, we are giving away free stuff. Now remember, ECC is an EXCITING, COOL CLUB!

Multicultural Student Society



Welcome, class of 1T6! Looking for an interesting club to join that'll make your university life even more exciting? Look no further! MSS consists of students with an interest in experiencing cultures and traditions from different countries. Activities of our club include fundraising events, learning about different languages and

countries, attending cultural festivals, and watching documentaries and movies about different countries. And of course, sampling new foods! We meet and break down stereotypes and misconceptions through better understanding of one another. MSS also gives engineering students the chance to relieve stress in a friendly and social environment. In other words, we're awesome human beings



CULTURAL CLUBS

(who have the added bonus of being engineers) who enjoy having fun. Do you need any more persuasion? Of course not. We're looking forward to seeing you at our first event this year!

Skule Model United Nations



Hey F!rosh! Firstly, Welcome to Skule! If you love debating, international politics, talking in public, meeting new people or being a leader (literally), then SkuleMUN is for you. Seeing that one of the main goals of engineering is to create solutions for the world, the Skule Model United Nations Club (SkuleMUN) strives to foster communication about international politics and world issues through both competitive and non-competitive debate in the style of a mock United Nations. SkuleMUN aims to construct an envi-

ronment that is accessible to the schedule of an engineering student while promoting leadership and public speaking skills. This year, our aim is to go and compete at the North-American Model United Nations Conference, which is held in University of Toronto every year and if possible, we would also like to send delegates off to Queens and Harvard! So look out for SkuleMUN at the clubs fair or send us an email at skule.mun@gmail.com to sign up. A quote to remember: "We the peoples... A stronger UN for a better world."

Blue Sky Solar Racing



Blue Sky Solar Racing is a student-run organization that aims to promote innovation and alternative energy solutions through the design, construction and race of world class solar-powered vehicles. Last year, we raced Azure, our 6th generation solar car, at the World Solar Challenge for 3000km across Australia placing 2nd in Canada and 24th in the world. Here, you will have the opportunity to gain real life engineering experience with a dedicated team of students from all disciplines and programs (Yes, even artsci's!). Learn how to design the suspension, fabricate the aero-

body, maximize the power electronic system, manage sponsor relations and much more! Immerse yourself in the innovative field of solar automotive technology and make your mark in the largest interdisciplinary student project on campus. If you're looking for the best memories, closest friendships and most rewarding experiences for your Skule years, join Blue Sky Solar Racing today! Come check out our website at http://blueskysolar.utoronto.ca.

Forget everything you think you know about concrete, because in this club we turn it all on its head! Concrete canoe is an undergraduate design club that designs and models a novel hull shape, mixes and tests many less-dense-than water concrete mixes & casts a 20 foot long racing canoe every year!

U of T Concrete Canoe

Concrete canoe is a great way to develop your leadership skills, technical know-how & even master your construction abilities with power tools. Canoe is also an excellent way to network with upper years and your fellow frosh. At Canoe we prize innovation, spirit, and most of all having fun! We have meetings throughout the year, designing, building and even just hanging out, all culminating in the Canadian National Concrete Canoe Competition, which this year is being held in Montreal, Quebec. 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 skills paddling a canoe in preparation for concrete canoe races at the national level. If this sounds intimidating, don't worry! No experience is required; we have

DESIGN CLUBS



dozens of undergraduate students on our team from across all engineering disciplines. The time commitment is as much as you want to put in, & we would be pleased to welcome you no matter your discipline or level of experience. & if you still don't believe us you can always check out some of the last few canoes we have built that are located in SF, on the first floor overlooking the atrium. Check out our team site at: www.canoe.skule.ca, Our Facebook page: http://on.fb.me/UofTCC Or contact us at: ut.canoe@gmail.com.

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 a Canadian design competition hosted by a different school each year. This year's competition will be hosted by the University of British Columbia in, that's right, British Columbia! The toboggan can be any shape and size you can imagine, with the one stipulation being that the running sur-

faces have to be made of concrete. The fastest TBog last year was clocked at 88 kph! Besides the racing, there's a spirit aspect to the competition which makes it incredibly friendly and insanely fun. If all this sounds like something you'd be interested in, registration is now open. Go to www.toboggan.skule.ca for the registration form. If you have any questions about the competition, team, or TBog in general email the captains at captain@toboggan.skule.ca. All disciplines are welcome and encouraged to join!

Formula SAE



Formula SAE is a collegiate design competition administered by SAE International. Students design and build small, Formula One style race cars to compete in numerous competitions worldwide. Every year, we build a complete, brand new racecar from scratch to compete against over 500 other universities at competitions in 3 different countries. This is a fantastic opportunity to connect the classroom to the outside world by taking part in a real engineering challenge. Members have the opportunity to gain valuable engineering and project management skills while

getting hands on experience with every part of the process, from design through manufacturing and testing all the way to competitions. The team has seen over a decade of sucincluding 3 championship victories and several event victories. Be a part of our winning team and make your contribution to our tradition of excellence. All U of T students are welcome to join, and senior members will be there to pass on their knowledge and experience at every step. So whether you want to set yourself apart from your peers and showcase your innovative thinking, learn how to use machine tools, design something

iGEM



iGEM stands for the International Genetically Engineered Machines competition. It is a competition that involves the design of a biological 'machine', genetically engineered to carry out an objective or purpose. Teams make use of a registry of standardized DNA components to create genetic constructs that can be transplanted into model organisms to create the genetic machine. Design teams

that is actually raced, or just want to leave some Waterloosers in your dust, drop by our shop on the ground floor of the Haultain building.



DESIGNICLUBS

have the ability to compete at a regional level and advance to an international stage hosted by MIT. The U of T iGEM club focusses on the educating its members about the principles of synthetic biology (using genetic techniques to engineer desired traits in an organism) and provide members with an enriching opportunity to work on an interdisciplinary design team and foster their own love of biology and creativity.

Solar Blimp

The Solar Blimp Design Team is a campus group that is dedicated to trying out new and interesting airship designs. The club was founded in 2010, and since then has: (a) Built a solar powered airship, (b) Constructed an airship-themed art exhibit for Nuit Blanche, (c) Designed and prototyped a novel gliding airship, (d) was invited to speak at the 2012 British Airship Association conference – the world's biggest airship conference. Students in the Solar Blimp Design Team get a chance to try designing, constructing, and testing these whales of the sky. As well, the Solar Blimp Design Team fosters a unique social scene full of laughs, gags, and the occasional blimp joke.

Spark



The Spark Design Club is a workshop based club that dives into creating an inspirational work environment by taking what you learn in the classroom and applying it in projects that are placed around SKULE. The goal is to create an environment that promotes design, creativity and inspiration and to showcase the fun part of engineering. Members, Sparkers, get together for monthly workshops where they build things like LED floor tiles and giant floor pianos. The final

projects are then put on display around SKULE as interactive displays for the community. Last year, the Spark Design Club was approached by the Discovery Channel to build a 9 foot structure out of playing cards. With a member reach of over 200, Spark was awarded the Engineering Society award for the Affiliated Club with the Greatest Growth and Development for the 2011-2012 academic year.

U of T Aeronautics Team



Have you ever made a paper airplane and tried to fly it? Have you ever thought of what happens in flight? Perhaps you got it right through trial and error, but if you want to learn more about aerodynamics, structures or application of industry software, then the UofT Aeronautics Team is just right for you. Our club consists of individuals who are passionate about engineering design and want to learn. We design, build, and fly airplanes for various competitions, such as the SAE International Aero

Design Competition, and we're pretty good at it, having received international recognition for our accomplishments. So why are you still hesitating? Do you think because you don't know anything about airplanes you shouldn't join? Don't worry about it, we will teach you everything from scratch as long as you are willing to learn. Or maybe you think we won't take first year student. Wrong again, we have groups of first year members dedicated to certain competitions, last year these members took home a 3rd place finish in a national competition. Now, there shouldn't be anything preventing you from joining, so come check us out, you won't regret it.



UofT Robotics Association (UTRA)

The University of Toronto Robotics Association (UTRA) is committed to designing and building robots by students from all areas of science and engineering. It was formed in 2002 and comprised of over 500 University of



ALIA GLUIRE



Toronto alumni, professors, graduate and undergraduate students. UTRA actively competes on an international level. In 2006, UTRA rapidly expanded the scope of its activities to include Sumo Robots, Robot Fire Fighting, Robot Soccer, Autonomous Robot Racing, 3D Printers, and the UT-FIRST mentorship program. Since 2007, UTRA travels to California to compete in RoboGamesthe largest robotics competition in North America, with a large number of international competitors. UTRA has been the most successful with its combat robots, at RoboGames each year. UTRA won bronze medals in 2008 and 2009, gold medals in 2010 and 2011, and another bronze medal this year in the 120-lbs weight class category! UTRA provides various practical training opportunities to the engineering students in the University of Toronto MIE Student Machine Shop and the Undergraduate Design Workshop. Students also get hands-on exposure with motors, sensors, soldering, programming, mechanical assemblies, and etc. Given the multidisciplinary nature of UTRA projects, students are encouraged to learn from their peers of different engineering disciplines. Senior students are encouraged to take leadership roles, and mentor junior members. Since 2009, UTRA organizes Sumo Robot Competition to introduce junior students to autonomous robotics. It is a stepping stone for students to learn the basics before moving on to our larger robots that compete internationally. Feel free to visit our website at www.utra.ca or our workshop at EA-106 (Engineering Annex Building), You can also contact us at utra@utra.ca.

Engineering Photography Club



The Engineering Photography Club aims to provide students with an outlet to share their love of photography as well as to help existing photographers further develop their skills. Along with this we hope to build a strong community and promote photography within Engineering Skule™ and its students. Over the year we will hold numerous photography trips, and dedicated workshops taught by veteran Photography Club members. Over the last couple of years we have engaged students with a number of themed photo shoots to allow for photography enthusiast

to develop not only technical ability but also a creative and artistic mindset. We welcome every and all students who are interested! If you've never taken a photo in your life, or never stopped taking photos in your life, we'd love to have you! If you have any questions or if you want to join our mailing list, send us an email at photography@skule.ca! Check out photography.skule.ca for more information!

Skule Arts Festival



With the mentality of "engineers can do art but artscis can't engineer", the Skule Arts Festival aims to celebrate the hidden artistic talents of the engineering student body n an annual one-week showcase event. Proposals and submissions can cover a variety of art forms - traditional, digital, mixed media, writing and performance. While the

art is displayed throughout the engineering buildings for the duration of the week, musical or dramatic performances occur during one night of that week. In the past, imaginative students have bewildered their fellow Skulemates with a giant wooden dinosaur and an interactive optical trick, just to name a couple. What can you brina?

Skule™ Orchestra



Skule™ Skule™ Orchestra, tounded in ∠υυο, is a student run symphonic orchestra of roughly 60 string, wind, and percussion instrumentalists. The orchestra



ARTIS CLUBS

is a place where students can have fun playing music ranging from The Beatles to Borodin, 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 danced to waltzes and foxtrots performed by the orchestra, and Symphonic Boom, our season finale featuring works such as Grieg's Peer Gynt Suite No. 1, Tchaikovsky's Violin Concerto in D Major and Borodin's Symphony No. 2 in B Minor. If you play an instrument and are looking to keep up your musical passion, this club is for you. If you're musical passion mostly involves listening to other people playing instruments, be sure to check out Skule™ Orchestra events and concerts. For additional information, visit us online at skulemusic. ca/orchestra

Skule™ Stage Band



The 23-member, student run, Skule™ Stage Band performs big band jazz to great acclaim at many Skule events. These include the most celebrated dances of the year (Cannonball and Gradball), as well as Suds, the EngSci Dinner Dance, and the Skule Music Concert. The Stage Band was established in 1983 by engineering students with help from Mr. Malcolm McGrath of the Skule Alumni Association. It has since blossomed into over 25 years of talented alumni. The Skule

Stage Band proudly promotes post-secondary interest in music for engineering students. The Skule™ Stage Band plays a wide variety of tunes including swing, latin, ballads and funk. We play songs we enjoy, both crowd-pleasers and technically challenging tunes, from Count Basie's charts to intense Animé themes like Tank! If you read music, want to take a stab at improvisation, and are performance-oriented, this is the band for you. Do you play an instrument? Are you interested in playing? Visit to our open rehearsal in GB204 on Sept 12th at 7 pm! If you have any questions, please contact us at stageband@skule.ca.

Tales of Harmonia



"Something for Everyone!" Tales of Harmonia is a mixed 30-voice auditioned choir that aims to not only provide talented musicians with the opportunity to pursue excellence in music within a friendly, focused environment, but alongside individuals who share the one other common bond that binds us all and unites us as one – our collective power to geek out about the various insanities of life. We are

built on the following tenets, to provide all choral members with a musical experience. 1) Diverse 2) Versatile and All-Inclusive 3) Geeky and Globally-Minded Our choir performs music of all kinds, as we sport an all-inclusive repertoire, including the following genres – contemporary, jazz, classical, romantic, alternative, etc. Last year, we performed a variety of music at the Knox College Chapel to raise funds for The Playing for Change Foundation, an NGO that stands for peace and positive social change through music education. The songs we performed ranged from contemporary – Stand By Me – to alternative – John Williams is the Man ~ Star Wars Medley. Other songs we sang were Water Night composed by Eric Whitacre, and two pieces that our conductor – Tian-Yuan Zhao arranged called Fiat Lux and Ocean's Prayer from video games. If you're a singer and want to keep up your talent and passion for music, this is the club for you to join. If you're capable of playing any other instruments, then this is also the club for you.

Undergraduate Biomedical Engineering (CUBE)



Hey F!rosh! This club is for those interested in the field of Biomedical Engineering =) The Club for Undergraduate Biomedical Engineering (CUBE)

is the only student-run club of its kind whose mandate is to promote biomedical engineering to you, the undergraduate students. Currently, the Toronto chapter has over 400 members and alumni from assorted programs and faculties. CUBE's purpose is to disseminate knowledge pertaining to the biomedical field and to serve as a point of contact between you, academia, and industry. CUBE will complement your regular undergraduate curriculum by providing you with resources and opportunities to explore various areas in bioengineering, biotechnology, and medicine. Annually, CUBE: Provides career and graduate schools information through workshops held: Forms networks for students with industry leaders and entrepreneurs through speaker seminars; Organizes bioengineering design competition (BMEC); Connects students with world renowned professors by research seminars; Provides tours of industrial plants, hospitals, and laboratories; Attends international conferences in related areas. With the rapidly expanding field of biomedical engineering and its boundless potential to improve the quality of life for those in need, CUBE will provide anyone with an interest in this field an abundance of valuable information and incredible opportunities. Anyone within the University of Toronto community is invited to join and take part in CUBE events at no cost. So come check us out! (cube.skule.ca)

Canadian Society for Chemical Engineering (CSChE)



The Canadian Society for Chemical Engineering (CSChE) is a national association for chemical engineers. Its members consist of practising engineers in the industry and members of Chemical Engineering academia. The U of T Student Chapter acts as a link between students in their academic environment and the professional world of chemical engineering. Our biggest event is the annual CSChE Conference. In 2011, we sent 32 student delegates to the

World Congress of Chemical Engineering held in London, Ontario, to represent the UofT Chemical Engineering Department. Students are exposed to a wide range of academic and professional development events that complement and enhance their undergraduate studies. At these conferences, student delegates have participated in the Reg Friesen (for engineering education) and Robert Auld (for technical/chemical research) competitions. UofT students are well-known for placing top standings in these competitions each year. At last year's conference, Bo Zhang and Albert Huynh placed second in the national Robert Aulb and Reg Friesen competitions, respectively. This year's conference will take place in Vancouver in late October. In addition to the conferences, the Chapter also organizes other events such as PEY info sessions, Professor-student Mixers, Valentine's Day Candy Grams, Engineering Faculty Basketball Leagues, Plant Tours, Grad Student Pub Night, and more. We also sell the popular Chemical Engineering - CSChE sweater, please us or talk to any CSChE executives for orders. For ANY inquiry, please email: csche@skule.ca We look forward to meeting you at our events!

U of T Engineering Without Borders



EWB UofT is one of over 30 national chapters contributing to the EWB Canada's work as a community of creative, engineers without borders ingénieurs sans frontières passionate, risk-ready critical thinkers that empowers and enables Canadians to take an active role in alleviat-

ing extreme poverty in Africa. Our award-winning chapter aims to uphold EWB's values through active involvement in the following primary areas: youth engagement, fair trade, political advocacy, and global engineering. Our chapter's faculty-approved volunteer program gets interested students to build their leadership skills in helping organize and deliver our many events and campaigns throughout the school year. We also provide limited opportunities

for those wishing to go abroad in Africa as part of EWB's national Junior Fellowship program. Drop by our office in GB131 if you have any questions!

Hacker Academy

Hacker Academy (HA) is a student ran non-profit organiza-Hacker Academy (HA) is a student ran non-profit organization at the University of Toronto under the Faculty of Applied Science and Engineering. We are founded by undergrad stu-

dents from Computer Engineering and Engineering Science to promote and inspire the hacker spirit. Our vision is to help students to search for their passion in software and hardware engineering. Our goal is to educate our members about the industry, develop skills that directly prepare them for the real world, and let their inner geek explode in most remarkable fashion We have 2 major events: NETtalks (News, Technology, Engineering): weekly tech talks delivered by members and guest speakers. Each week's topic is different and is about technology and engineering used somewhere in the industry. Our goal is to help our members to find their passion in the world, and inspire them to create and innovate outside of academics. Talks are free to attend and anyone is welcome. Dev Dojo: programming competition for the coders. We hold Dojos twice per semester. Work in teams or go solo, compete against other hackers in a 3 hour event of coding, food, and prizes We also have new events coming 2012-2013 for the real hardcode computing enthusiasts. But hev. Hackers need a break too right? We have game nights, workshops, and other fun activities once in a while to keep you sane. HA is free to join. There are no commitments, and you can come and go as you like. But you know how you can level up in RPG games? You can too at HA, it just takes some commitment. You may just be high enough to end up with some loot. For more information visit www.hackeracademy.org/leaderboard.

Sustainable Engineers Association



The Sustainable Engineers Association (SEA) aims to empower engineering students with knowledge, interest, passion, and ultimately experience within the domain of sustainable development and related issues. SEA provides ample opportunities to learn more about applications of sustainable engineering in the real world. Throughout the year, we have our popular field trips, offer research

seminars, as well as hold our annual sustainability conference and case competition, open to students at any university. In the past, SEA has also held a Sustainability Education Symposium to create open dialogue between faculty members, launching curriculum enrichment initiatives. For the coming year, we hope to bring more opportunities to students, including a summer research/ career fair and the development of a Solar Decathlon design team. We welcome students to contribute to our projects as they come!

UofT Emergency First Responders

The University of Toronto Emergency First Responders (UTEFR) is the volunteer campus emergency response team (CERT) for the University of Toronto St. George Campus whose mission is "to instill confidence in first aid treatment, to make first aid training readily available to the student body, and to provide quality prehospital first aid treatment on campus." In order to increase knowledge of prehospital care, UTEFR offers courses ranging from Standard First Aid to Emer-

gency Medical Responder as well as workshops to maintain the skills learned in the courses. UTEFR also provides on-site first aid coverage at numerous campus events ranging from design competitions to mountain biking tournaments. All of you are welcome to join UTEFR and attend workshops and courses, although only members of the patrol team may act as responders at events. If you are interested in first aid and helping others, come see if UTEFR is for you!

PROFESSIONAL CLUBS (8)

Engineers In Borders



Would you like to see the direct positive impact that you can make on the community you live in? Would it satisfy you to identify an issue in society and then help correct it? Well, then ENGINEERS IN BORDERS is the right club for you! We use our problem solving minds to fix the city that we call home. ENGINEERS IN BORDERS partakes in various community service initiatives such as tutoring in elementary and high schools, leading community clean ups on Centre Island, and organizing shoe, sock and sandwich runs to the homeless. There is no experience needed to become a member of ENGI-

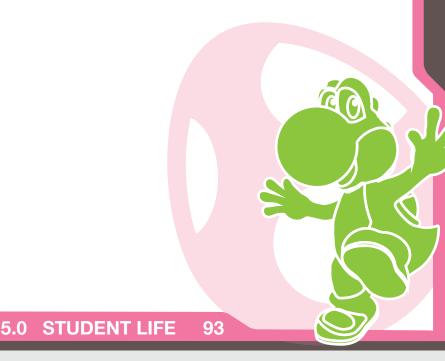
NEERS IN BORDERS. If you were involved in any community service initiatives in high school, we would love to hear about your experiences. Or, if you just want to get involved within the community, this is a great opportunity for you. Join ENGINEERS IN BORDERS, help us make Toronto an even greater city!

Eyes of Hope



Eyes of Hope is a not-for-profit student organization whose purposes are to allow members of the UofT community to: Create positive change in the community, Develop leadership, and Have fun! Our community-helping initiatives include: 1. Affordable housing via UofT Habitat for Humanity Campaign – sponsor a UofT house and then build it! 2. Helping

children a) Free the Children – fundraise for educational initiatives (e.g. school in Sierra Leone) b) World Vision – sponsor two children 3. Homeless outreach a) Sandwich Runs - make and give out sandwiches, while understanding and destigmatizing homelessness b) Umbrella Painting – painting umbrellas with homeless youth as art therapy and to use as homelessness awareness c) Homeless shelter and food bank volunteering 4. Projects that members wish to propose and lead!





DISCIPLINEGLUES

Chemical Engineering

Greetings Chem 1T6s! Welcome to Chem Eng at UofT! We are your official discipline club. Our motto for the year is to "Strengthen the Chemmunity." We organize several exciting social events throughout the year, most notably: two BBQs during fall (drop by to try our unique, one and only Wallburger!), Book Exchanges aka Smokers (free pizza served!), our annual Dinner and Dance, Charity Talent Show and much much more! We also have a robust athletics organizing community - this year we plan to have basketball, soccer, table-tennis, foosball tournaments and drop-in sports as well as an over-night 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 1T6s! Find us in person: Stop by WB 238 – the Chem Common Room! There will always be someone around, including Chem upper years who are always willing to help out. While you're at it, relax while playing some foosball or proving your skills on our very own N64. Swag. Find us online, Facebook: ChemClub Utoronto, email: chemclub@skule.ca and website: chemclub.skule.ca

Civil Engineering

CIV 1T6, you are about to join an incredible discipline. Civ Club does a range of activities and services for civ students including Civ Dinner Dance, locker rentals, selling Civ swag (sweaters, patches), textbook smokers (where you can buy second-hand textbooks from upper years, 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, new light fixtures installed by last year's Civ Club, and home to various relocated street signs from around the province (we're always looking for new ones). It's also where the Civ Club Office is, so make sure to come say hi, because we're excited to meet you Civ 1T6s! You can also buy cheaper pop in the Civ Common Room, unwind playing foosball, and use our microwave. Also, one of you will be joining the Civ Club Team as Class Rep! EngSoc will be running the elections right after F!rosh Week, and we're looking for someone who's willing to meet every single person in their class and working with Civ Club to do things for CIV 1T6! Aside from class rep, Civ Club is always looking for as many friendly faces who want to help out with other things we're doing. Can't wait to meet all of you at the F!rosh Week Discipline Club event and on the first day of classes! Contact us at civ.skule.ca and facebook.com/groups/civclub.

Electrical & Computer Engineering

Hey F!rosh, welcome! As an ECE student, you're automatically a member of ECE Club. We're dedicated to bettering the student experience by providing you with awesome common rooms, career and professional development info/events, smokers (informal get-togethers with cheap food and drinks), game tournaments and our annual Super-Classy Dinner Dance. Keep an eye on your email for updates. Important stuff to know: The common room is located in the basement of Sandford Fleming (SF for short), next to the elevators. Drop by, relax, play some foosball or video games and enjoy the cheapest pop on campus. The access code will be emailed to you. We also maintain a study hall in Bahen, room BA1120. Roomy tables and power outlets abound! Your shiny, new T-Card grants you access. The ECE Club Office is located right next

to the SF common room. Stop by or send us an email (ececlub@skule.ca) if you've got any questions about your time here at Skule™, or want help, or funding, to run an event for your class (for example, 1T4's made sweet class

t-shirts that we helped fund).



filling.

Engineering Science

Hey 1T6s! Welcome to Engineering Science! So now you're officially a U of T Engineering Student! Congratulations! The EngSci Club is here to help you with whatever you need during university life. The club organizes a number of social and academic events throughout the year. This includes the annual Dinner Dance, Ski Trip, Talent Show and more! These events are a great way to meet other students and, simply put, just have fun! One of the events that happens during the beginning of the year and is specifically geared towards our new students is the Book Smoker. This is where old students will bring their old textbooks to sell at a discounted price. So keep a look out for EngSci Club event's and email's throughout the year! If you're looking for a place to get some work done or just hang out and relax, our common room is located on the 2nd floor of Bahen. Find out more about the club at engsci.skule.ca! If you have any questions, concerns, comments or just want to talk, visit the club office in the common room or send an email to engsci@skule.ca!

Industrial Engineering

Hello F!rosh. Look at your discipline, now back to Indy, now back at your discipline, now back to Indy, Sadly, your discipline isn't Indy. But if your discipline stopped using Newton's Laws of Motion, it could smell like it's Indy. Look down, back up, where are you? You're at an Indy Club event. With the discipline your discipline could smell like. What's in your hand? Back at Indy. It's an oyster with two tickets to the MIE Dinner Dance. Look again. The tickets are now a job offer. Anything is possible when you get involved with Indy Club. Keep your eyes open for the next Indy Club event, and make sure to come out! Indy Club is a student organization, committed to jam-packing your time full of 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. Cheers!

Mineral Engineering

On behalf of MIN Club and the rest of the Mineral Engineering community, WELCOME, and congratulations on joining the most tight-knit discipline in all of Skule™. To put it simply, MIN Club exist to make your experience at SkuleTM academically, socially, and professionally ful-Mineral Engineering has one of the cosiest common rooms on campus, featuring a flat screen TV with a Nintendo 64 and Xbox 360, brand new couches for relaxing (or sleeping) and a huge table for tackling that tricky problem set (or more recreational endeavours). MIN Club is going to be hosting a bunch of awesome events throughout the year where you'll get the chance to get to know your classmates and professors a lot better, so be sure to be periodically checking your emails for news on when the next event will be taking place. Be sure to swing by the common room on your spare time to meet some of the upper years, or take advantage of our sweet common room. If you want to get involved, run for 1st year class rep! If you don't think being class rep is for you but you still want to help out with planning MIN Club events, feel free to attend one of our meetings and introduce yourself! You'll be hearing a lot more from us soon, but for now enjoy your F!rosh week!



DISCIPLINECLUBS

Material Science Engineering

E=MC vag... Woah, wrong blurb! Hey F!rosh, welcome to Skule™, the best place on earth! I'm sure other disciplines are writing about what awesome Super Smash character they are, how awesome their skills are and how they can "PK Thunder", but MSE is different. We don't need to settle for characters that will stop flying just when you need them to, turn into a tank, or have your twin climb a mountain with you. Nay, we are better than that. As a MSE we create, design and fabricate the things those little guys need to succeed. We are the Masahiro Sakurai and Satoru Iwata of the world of Super Smash Bros., the people that make it, the people that improve it and the people that spread our engineering knowledge to everyone else. We're the ones who think "Hey, wouldn't it be awesome if Peach stored everything up her dress? Let's design that!", so you're welcome world. So all you MSE F!, welcome to the best discipline ever; for the others, you know where to transfer (I'm looking at you T1s)!

Mechanical Engineering

On behalf of the Mechanical Engineering Club (MechClub), congratulations and welcome. If you have accepted your offer to mechanical engineering, you are officially a member of the discipline club of champions! The Mechanical Engineering Club represents the entire Mechanical Engineering student body at the University of Toronto. We're here to represent students on academic matters with the department, resolve student-professor relations, and bring student issues and concerns to attention. If you want some place to relax, to get involved, make friends, or just need some advice- we got you covered. We'll be holding a ton of events and a lot of fun stuff for everyone, such as book swaps, game nights, BBQs, sports tournaments, a dinner dance, and so much more! This year, we will also be running a professional development series to help expose students to different software that will be beneficial in the future. Remember to drop by the MIE common room (Mining building room 225) as your one stop for table tennis, PS3 gaming, foosball, board games, refreshing drinks or comfy couches to relax on after a tough day! Come by the club office (across from the common room, MB225c) if you want to pick up any mech gear (t-shirts, patches, etc.), get lockers, or if you just need some help/advice any time in the year! We'll be in the office 12-2pm every day, but feel free to drop by whenever you see the light on! For all up to date information and upcoming events please visit our website at mech.skule.ca or find us on facebook. Have some ideas, comments, suggestions, or just want to get involved? Shoot us an email at mechclub@skule.ca

Track One Committee

Hello, 1T6T1's, and welcome to your...FINAL DESTINATION (but not really)...TrackOne Engineering at U of T. Like Kirby in Super Smash Bros., TrackOne's are always a friendly face around Skule. Interestingly, we're also similar to Kirby in that we'll eat anything, provided it's in the form of a free food from the faculty. Alas, if only making a discipline choice was as easy as picking your lunch... Anyway, enough about that, let's talk about the TrackOne Committee! The TrackOne Committee is the group of students who work to insert some of that elusive F-U-N into engineering for TrackOne students. This past year, we planned games of assassin, two movie nights, TrackOne Dodgeball, Dinner and Skating Night, pies on pi day, the semi-formal dance EightBall? 1T2 (held in the Hart House Great Hall) and the TrackOne End-of-the-Year Party.

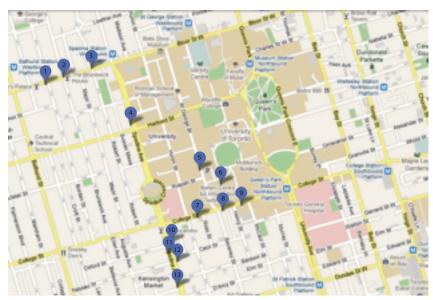
Being in TrackOne has its perks, too. TrackOne gets its own budget to spend on events like those

listed above, with no bossy upper-years telling you what to do! Even better, upper year "TrackOne Alumni" are always willing to help out with whatever's going on in the T1 world, and are super-friendly people to boot! If you've got questions about life in TrackOne, or want info about the TrackOne Committee, shoot me, Evan Boyce (TrackOne Class Rep 1T5), a message at trackone@skule.ca or jamesevan.boyce@utoronto.ca

FOOD & BARS



One thing that you will find out very quickly in your time at school is that you'll want to know the best place to grab quick, delicious food. Whether you live in residence or you commute, the food at your res or whatever you bring from home can get tiresome extremely fast. Be sure to treat yourself once in a while.



Sushi on Bloor - 515 Bloor Street West Japanese - For cheap sushi, everyone in Toronto knows to go to this place. Expect to wait for a table on weekends, but it usually wouldn't take long. For less than \$10, you can get at least 12 pieces of maki.



2 Future's Bakery and Cafe - 483 Bloor Street West Cafe - Great place to just sit down and enjoy a coffee and its delicious pastries/cakes, but also provides inexpensive food! All you can eat perogies on Wednesdays, and \$5 UofT student breakfast are just few of the things they offer!



Burrito Bandidos -362 Bloor St W
Mexican - One of the original burrito shops in Toronto. The portions are very generous for the price and will satisfy your hunger quite nicely.



Papa Ceo & Cora's - 654 Spadina Avenue
Pizza - These two pizza joints that sit beside each other have created the biggest pizza rivalry in the city. Both provide huge portions for \$5 and if you ask which one's better, the general opinion is pretty much split, so go see for yourself!





FOOD & BARS

S Blue Chip Truck - On St. George across from MP Burgers/Hot Dogs - A popular food truck amongst UofT students as they make some good burgers, hot dogs and poutine for cheap!



Hard Hat Cafe - Sandford Fleming Basement Variety - Owned and operated by your very own Engineering Society! Offers lots of different foods and drinks such as pizza, Jamaican patties, pop and instant noodes, at reasonable prices!



Ein-stein Cafe & Pub - 229 College Street

Bar - The engineering pub. Everyone goes here for a good time and it's not unusual to see alumni here as well. Also the place for all Toike Oike content meetings!



8 Starbucks Coffee - 205 College Street
Coffee - Self explanatory, but there's also a Bagel Stop in the store
too, where you can get a bagel sandwich.



Queen Slice Pizza & Pita - 177 College Street Pizza - Do not get mislead by the name! Most people don't go here for the pizza, but for the chicken shawarma. It's cheap, delicious and ready in a minute. Great place to grab a quick lunch!



Simon Sushi - 409 Spadina Avenue
Japanese - One of the myriad of sushi places around UofT. Has a
large selection of food (maki, bento boxes, hot food, etc.) at very fair
prices. Usually gives you at least a bowl of edamame on the house.



New Ho King Restaurant - 416 Spadina Avenue
Chinese - Another legendary restaurant fond to engineers and every
UofT student alike. Delivers to 4am on weeknights and 5am on
weekends. The go-to place for people who feel hungry late at night
from studying or partying.



(Cum Jug Yuen - 371 Spadina Avenue Chinese - This place has been here forever and is advertised to be the Best BBQ Pork in North America! Every engineer has gone to this place at least once, so you should too. And yes, it is pronounced "Cum Jug".



Pho Hung - 350 Spadina Avenue
Vietnamese - Located in Chinatown, Pho Hung is one of the many
Vietnamese restaurants, but it's definitely one of the most popular
ones! Enjoy the Pho noodles, rice dishes and spring rolls!





PLACES TO GO



In the streets of Toronto, fun awaits around every corner.



Yonge Street

Being the longest street in the world, it goes from Lake Ontario all the way up to Lake Simcoe. But the part where you'd probably be spending your time in would be the one south of Bloor St. Here, there are hundreds of shops and restaurants for you to discover. It is always busy and full of people and interesting street perfomers, expecially at Yonge-Dundas Square.



Queen Street West - between Yonge and Bathurst Another one of those quintessential streets to visit. Has everything from high-end boutiques to stores that sell weird novelty items, such as 'the Black Market'.



Nathan Phillips Square - 100 Queen Street West Website: http://www.toronto.ca/city_hall_tour/nps.htm
Right outside the City Hall and 5 minutes away from the Eaton Centre, a nice hang out place in summer and a skating rink in winter! There's also a piece of Berlin Wall hidden somewhere in the square...





Toronto Eaton Centre - 220 Yonge Street Website: www.torontoeatoncentre.com

Biggest shopping mall in downtown Toronto that has almost every major brand name you can imagine, so it can easily satisfy most of your shopping needs. Got extra cash? Need a gift for someone important? Or just want to do some window shopping? This is your destination.



Roger's Centre/SkyDome - 1 Blue Jays Way Website: http://www.rogerscentre.com/about/tours.jsp Home to the Toronto Blue Jays and Toronto Argonauts. When you are tired of studying, buy yourself some peanuts and Cracker Jacks and go for a ball game with some friends.



CN Tower - 301 Front St W Website: http://www.cntower.ca

> World's 5th tallest freestanding building, it consists of a main pod at 342 meters above the ground and a sky pod at 446.5 meters. What's the best thing to do up there? Confront your fear of height and take a walk on the exterior of the main pod.



Air Canada Centre - 40 Bay Street

Website: http://theaircanadacentre.com Home to the NHL Team Toronto Maple Leafs and NBA Team

Toronto Raptors. They'll never win, yet it's next to impossible to find tickets, especially Leafs games. Nonetheless, you'll probably have a good time cheering and heckling.



Harbourfront Centre - 235 Queens Quay West Website: http://www.harbourfrontcentre.com For anyone who is interested in culture and arts, this a good place to start. Exhibitions and performances are held regularly there. For those who want more action? How about kayaking in summer or ice skating in winter?



Centre Island

It is an island on Lake Ontario right off the shores of Toronto. There is a ferry that you have to take to get over (costs about \$6), but once you get there, you can bike, barbeque, discgolf...



So if all of that is not enough to satisfy your need to do things, go explore the city, find its hidden secrets and spots for you and your friends to hang out. Toronto always has shows

and bands playing around the city, festivals going on, and stuff to do. And if all else fails, you can always go to the movies (AMC at Dundas Square, Scotiabank Theatres at John St., and other small theatres around). You should also pay a visit to some of the museums the city has to offer (the ROM, the AGO, Casa Loma). Go discover!

ACCESSIBILITY SERVICES (8)

The University of Toronto strives to be a top learning institute in our province. Since its inception in the early 1800's it has continued to become more and more accommodating to students and learning needs. On campus, you will find that many of the University's older buildings have been retrofitted to include accessible ramps and elevators. Further, you'll find an entire office dedicated to helping you throughout the year. If you have any questions, feel free to email us at engsoc@skule.ca!

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

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

The accessibility office offers many services including:

- Alternative test
- Examination arrangements
- Authorization of test and exam accommodations coordinated by Test and Exam Services
- Note-taking services
- Sign language interpreters
- Adaptive equipment & assistive 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

We encourage you to visit www.accessibility.utoronto.ca for more information. If you do need accommodation for F!rosh week or any events.

We are here to support you to achieve academic success as you embark on the 2012-2013 academic year.



UNLOCK BY: BELIEVING YOU'RE NEXT.
HAZARDS: VARIOUS BACKGROUNDS WILL BE DRAWN IN THAT AFFECT THE
BATTLE, SUCH AS WINDS THAT KNOCK YOU OUT OF AN INTERVIEW,
FIRES THAT DESTROY YOUR CONFIDENCE, ETC.
ORIGIN: BEING PROFESSIONAL AND FRIENDLY

Mr. & Mrs. Engineer

YOU'RE NEXT NETWORK



Congratulations! You have made it to the best engineering school in Canada, and one of the best in the World. You will go through four years of great engineering education, and some of you will gain some valuable work experience during your PEY term. At the end of these four short years, your career will be the next big step.

We at the You're Next Career Network strive to be your hub for all career development activities. As a whole, You're Next is a career network that came into existance with the help of the Engineering Society and focuses on enhancing the relationships between students, industry professionals, organizations, alumni and the faculty. For the past 3 years, You're Next has been running the largest Engineering and IT undergraduate career fair at the University of Toronto, focused on exposing our students to career opportunities and possibilities. This year we are expanding into the largest student career development network in the University of Toronto: The You're Next Career Network.

Our mission is to develop University of Toronto students to realize their career potential, and to provide them with opportunities for employer-student interaction. Our yearlong events will help students develop skills, network, and gain access to job opportunities. Our initiatives include:

1. The You're Next Launchpad Series

Launchpad is a yearlong series of professional development events for students including interpersonal skills workshops, industry exposure talks and company-sponsored competitions, which will connect highly skilled and motivated students with companies. We enable opportunities to:

- Build a platform for industry professionals, organizations and alumni to engage and recruit students through interactive events.
- Extensively network with motivated students from diverse backgrounds and years.





2. The You're Next Startup Career Expo Date: October 11, 2012 Location: Hart House

The Startup Career Expo will introduce students to the field of entrepreneurship and the startup industry.

The event is expected to bring out over 30 startup companies looking to recruit from U of T.

Check out the opportuni-

YOU'RE NEXT NETWORK

ties and benefits for working for a smaller company and line up your internships/full time jobs early through this one day event in October!



3. You're Next Career Fair: Date: January 2013 Location: Examination Centre

Our one-day flagship event in January brings out over 1,800 students and 50 companies.

- Past companies include: Microsoft, Amazon, Altera, SNC Lavalin, AMD, Accenture, RBC Capital Markets, Unilever, Syncrude, Deloitte, CGI, Aecon, Dayforce, and many others!
- We bring students opportunities to meet recruiters face to face and ask them about opportunities at their company.
- We arrange for companies to speak in a tightknit setting leading up to the career fair.



It seems like not too long ago all you had to worry about was which university to apply to, and what you wanted to study. We're glad that that's over - but as engineers, we always need to remember to plan ahead. So what's next? The following section will provide some advice on how you can best prepare yourself for your first job. It's four or five years down the line, but it's a line that can come awfully fast if you don't pay attention to it.

I. Tips for Getting a Job

Getting a job nowadays (in 2012-2013) is tough. But who knows what's going to happen when all of you graduate in 2016/2017? Here's the nasty cycle - employers are looking for experience, but you need a previous job to get experience. Here are some tips for how you get break out of this cycle!

1: Get involved in extra-curricular activities early on in your undergraduate career

This is by far the biggest tip I can write on this page. Don't believe me? Go ahead and ask any of your upper year friends what employers like to ask questions about during their job interviews. You'll find out that rarely do companies ask you about why you got a 75 in CIV100 as opposed to an 85.

But, they will ask you about your pet-projects (making your own iPhone app or starting a small business) and your past experiences outside of class (did you join a club's executive team? What impact did you make to the club? How did you deal with conflicts within the team? How do you balance your time with your academics and your extracurricular involvements?).

2. Work on your resume and cover letter

Here's the reality, most resumes and cover letters get tossed out very quickly. If you've been to ca-

> 104 F!ROSH HANDBOOK 1T6

CAREER ADVICE



reer fairs, you will see that many students rush to give employers their resumes and cover letters. But what you don't see is the recycling bin full of resumes that have been tossed-out because they were poorly catered to the jobs the companies were hiring for.

A resume is not supposed to be a dog's breakfast of anything and everything you've ever done. It's supposed to be a clear and concise way for employers to see what you have been involved with and the impact of your involvement. Here's what I mean: You've worked a summer job? — what impact did you make to your company? (Did you manage to improve their efficiency, lower cost, or increase profits?). Companies want to know that what they're paying for (your salary) is going to be worth their investment. You need to demonstrate that you already have a strong track record of delivering high-quality work that impacts their underlying business objective. Therefore, resumes for entry-level positions should be no more than 1 – 2 pages long. Make sure you quantify your impact (it's not enough to say that you improved efficiency — what is the amount of time saved as a result of your work?). It's also important to make sure that your resume is organized and that employers can skim through your resume and pick out your main highlighted results in less than 30 seconds.

A cover letter is not an excuse for you to put your entire life story on one page. It's a place to demonstrate how the details highlighted in your resume ties in with what the company is looking for. Even though the cover letter is more wordy than a resume, make sure that your points are concise and employers are able to find what they're looking for in less than 30 seconds.



3. Network, Network, Network

You know the saying "it's not about what you know, it's about who you know"? It's very much the case in the job-seeking space. Over the next four years of your undergraduate career, it would be beneficial for you to check out the various career fairs that we have at U of T (Career Information Day and the You're Next Startup Career Expo in the fall and the You're Next Career Fair in January). Going to the fairs will allow you to scout out which companies are hiring, and what they're looking for.

At the job fair, make sure that you strike a good conversation, do your basic research, and ask some insightful

questions. Know what you want (e.g. further details about their summer job application process, more information about their rotational program) before approaching each company.

4. Need help?

U of T has some great resources to help students out with matters like this. Be sure to check out the Engineering Career Centre located in New College where they can set up one-on-one sessions with you to work through any concerns you may have.

II. Getting Summer Jobs

It's a competitive world out there – whether it's looking for a PEY job or a full-time job, employers want students who have demonstrated success in previous jobs or extra-curricular activities. Being able to take on an entry-level summer job in the first or second summer of your academic years will put you in a good position when applying for jobs in the future.

Furthermore, all University of Toronto Engineering stu-



CAREER FAIRS

dents have a graduation requirement of 600 practical hours that can be completed either during the summer months or during a student's PEY term. Being able to work for one summer will very quickly take care of that requirement, and will lift one graduation requirement off your shoulders down the road.

Summer job application timelines are extremely tight. Many students expect that companies will knock on the door and nudge them to submit their applications. However, this is never the case. It's really all about how much initiative you want to take to get this started. Most companies start hiring from November – March for their summer students. Here are some important things to do to put you in the best position for a summer job:

1. Research your companies (September - November)

Find out which companies frequently hire summer students. Talk to upper years to find out how things work at their current/past PEY or summer employers. Without knowing what's available, you won't be able to know where to start.

After finding out which companies hire, make an active list and track their career pages frequently. Some companies have a dedicated "students & new graduates" section that will be a good start for those looking for entry-level positions.

2. Apply Early (November - March)

Many companies have multiple cycles of "first-round interviews." If they find the right person early on, they might not even continue interviewing the other candidates. As such, it's important to apply as early as possible to ensure that you have the best shot at your summer job. As always, ensure that your cover letter and resume has been catered and reviewed specifically for that job application.

III: Career Fairs



1. List of Career Fairs

U of T Career Information Day (September 19-20, 2012)

Link: http://www.careers.utoronto.ca/cid/cid.aspx
Career Information Days (CID is a Career Fair run by AIESEC
Toronto, Engineering Career Centre and the University of Toronto Career Centre. It is geared towards a few key industries
– Engineering, IT, and the Sciences. The CID will take place in
University College.

You're Next Startup Career Expo (October 11, 2012)

Link: http://www.yourenext.ca/

Toronto has been ranked as one of the top places to have a startup company in the world. To bring the Canadian entrepreneurship move-

ment to U of T Engineering students, the You're Next Career Network will be hosting a one-day event in Hart House to showcase startups and job opportunities to U of T Engineering students.



You're Next Career Fair (January 2012)

Link: http://www.yourenext.ca/

The largest Engineering specific career fair in the Greater Toronto Area, targeted towards U of T Engineering students.



RESEARCH OPPORTUNITIES .

The You're Next Career Fair will feature more than 70 companies this year who are looking for students with a strong engineering background like yourself! Be sure to check out the one-day long career fair located at the Examination Centre.

2. How to prepare for Career fairs

- 1. Research the companies attending the career fair.
- 2. Look up open positions on their website.
- 3. Come up with insightful questions know what the company does, and dig deeper at the booth!
- 4. Make a good first impression!

IV. Research Opportunities

If you wonder what lies beyond the corporate world, research is a great place to start! Lucky for you, almost all professors in the Engineering faculty take students under their wings every summer to work on a project. Not only is this a great opportunity to gain new knowledge, but it also allows you to meet upper-year students, graduate students and your professors outside the classroom environment.

When you research, you:

- 1. Gain skills & knowledge common to next year courses
- 2. Become an expert in your field of work
- 3. Push the boundary of human knowledge
- 4. May fail! But you try, try and try again until you succeed!

Getting a research position

Simply put, all you have to do is ask your professors. Approach them after class, in the hallways, wherever you get a chance to chat with them. Usually, students ask professors who have taught them before because they may recognize your face & because you know how the professor teaches and communicate.

Another method is to go online to your Engineering faculty website and scroll the Professors Page. Your profs will usually have a website which presents their field of work, their papers, and other interesting information. Find which professors are researching areas that interest you!

When you have your list of professors, begin contacting them via e-mail and follow up for a time to meet with them in person to chat.

Tips

- Show enthusiasm for the research topic; have natural interest in that area of study
- Do your research; read their papers, try to digest even a small fraction of it!
- 3. Professors know that you will not understand much of the content... because if you did, you'd be in their position!
- 4. Arrive early when you go meet the professor
- 5. Don't under-dress, but don't over dress. Where something casuallynice when you go meet them.
- 6. Ask lots questions! Show curiosity.

P OPPORTUNITIES ABROARD

Answers from the Falculty:

Can first year students land summer research positions?

Yes! There are some volunteer opportunities in research labs if the income of a full-time summer job isn't absolutely necessary for you. Many professors are willing to take a chance on a keen, responsible, first year student who shows initiative. In February or March you should go to your departmental website and look up the list of all their professors. Each professor's research and often their main publications will be listed on the site. You should make the effort to read many of those papers and then email 10-15 profs that are working in a field that interests you. In the email, explain that you are willing to volunteer your time and that you are interested in their research and why. Show that you've read a little bit about it so they can tell you have some initiative! Highlight an extra-curricular activity you've done this past year, or a strong mark in class that you've achieved or a really good project you completed and attach your resume.

Hopefully you'll hear back from 1-2 professors! If you don't then email another 10-15! If you do land a position but do need some income you can ask to work for them part time and then have a regular part time job on the side. And sometimes at the end of the summer, if the professor has some extra funding and you've done a good job, they may be able to give you a small honourarium. But really, the experience is the most valuable thing!

V. Opportunities Abroad

There are a few ways to get involved outside of Canada. Some students have done international exchanges, while others have done international work terms (summer/PEY) or international research opportunities. Opportunities abroad will have different requirements and timelines depending on which country they are located in, so be sure to find out this information ahead of time.

If you would like more information, U of T's Centre for International Experience (CIE) can help you with any questions you may have about opportunities abroad.

VI. Next Steps - Interviews

1) In-person interviews:

Make a good impression - have a firm handshake, make eye-contact, and be sure to thank your interviewer on the way out. Remember that it's better to overdress than to underdress. It helps to understand the general dress-code of the company (e.g. Banks and consulting firms may have a formal dress code; whereas software development firms may have a casual dress code).

There are some common questions that interviewers ask. Look these questions up online, and be ready to answer them based on your past experiences (don't recycle the same experience for all of your questions).

2) Phone interviews:

You have the luxury of having your "backup material" right in front of you! Feel free to print a copy of your resume out, and make notes of talking points you can use during your interview process. The questions that you get during a phone interview may be very similar to what you would get in an in-person interview.

The dynamics of a phone-interview can

INTERVIEWS



get messy - make sure that your interviewer has finished his/her sentence before jumping into your answer. Feel free to take a few seconds to gather your thoughts before discussing your answer.

3) Case interviews:

Software companies and consulting firms may put you through a more lengthy interview process where they get you to solve a problem on the fly. The general tips for these sorts of interviews are:

Don't rush into solving the question right away, you can always ask your interviewer for clarifying questions if you are unsure about certain things.

Start by walking through your understanding of the problem (what is the main problem you're trying to solve? What are the main objectives and constraints?). This will signal to the interviewer that you're going on the right track.

Remember to walk the interviewer through your thought process. The main thing they are assessing here is how well you can think on the spot (even if you get the final answer wrong).

In coding interviews, try to get your syntax right - your interviewers want to know that you pay attention to details like that.





UNLOCK BY: CHANTING AND FIST-PUMPING IN THE AIR
HAZARDS: SINGING "FOR WE DON'T GIVE A DAMN FOR ANY DAMN MAN
WHO DON'T GIVE A DAMN FOR US" AT THE SPEED OF LIGHT
ORIGIN: THE SKULETH REPERTOIRE





Every engineer must know ALL the lyrics to the glorious Godiva's Hymn! Okay well, maybe the upper years still haven't figured out the lyrics past the first two or three verses, but the more you memorize, the more points you'll get as being the coolest among the 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 the Engineers,
We can, we can, we can demolish forty beers,
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 the female Engineers,
We can, we can, we can drink just as many beers,
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 artsie 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.





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 UofT 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 artsie 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!

In Arts and Sci and at York there are countless untruths told, About how our women Engineers are frigid, strange and cold. But truth be told we men prefer lady Engineers, of course And sleep with women learning friction, motion, stress and force.

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 artsie 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 outdrunk 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 UofT
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 per

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 Eng Sci man from UofT 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.
UofT was UofT when Ryerson was a pup,
And UofT will be UofT 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 F!rosh 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 artsie and she was an Engineer.

The artsie 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 artsie cried, half-naked from the dorm,
"To find an Engineer," she said, "At least they can perform!"

Some Engineers from UofT 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 SkuleTM,
Their cinematic expose 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 UofT,
The F!rosh 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 Eng Sci, and I feel I have to pout, There's one thing in the world I have yet to figure out. It's something Eng Sci 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 UofT, 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 the stuff 'cause we're the Engineers.





The Jerry P. Potts trophy for the chariot race at SkuleTM
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 SkuleTM 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 Eng Sci 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!

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 UofT 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 UofT!"

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 artsie Chemist and a Chemical Engineer Were formulating molecular equations over beer. Each drank a glass of water, but the Artsie hit the floor, For what he thought was H2O was H2SO4!

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 Eng Sci 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!

An artsie and Engineer once found a gallon can,
Said the artsie, "Match me drink for drink, as long as you can stand."
They drank three drinks, the artsie 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!

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!



CHEERS & CHANTS



SkuleTM Yell

(Sing this whenever the Cannon is fired.)

Toike Oike, Toike Oike, Ollum te cholum te chay. Skule™ of Science, SkuleTM 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.)

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/she]'s a horse's ass Why was [he/she] born so pitiful Why was [he/she] born at all! [He/She]'s no fucking use to anyone, [He/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 curiousity
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!

Hey, Look Us Over

Hey, look us over, Lend us an ear, The Lady Godiva Memorial Band 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

Like maybe forty beers, After all we're engineers.



CHEERS & CHANTS

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-nd of you, too, boo-boo-de-doo!

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, 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!

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.

CONTACTS



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DEPARTMENTAL COUNSELLORS

Someday, you might run into situations where you need some academic advice. That is what your academic counsellors are for! They are here to help you suceed and are glad to help a F!rosh in need. Below is the contact information of the counsellors of each specific discipline.

Skule™ Website: www.skule.ca Skulepedia: Skulepedia.ca

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ugrad.chemeng@utoronto.ca shavni@civ.utoronto.ca linda.espeut@utoronto.ca nsci1 2@ecf.utoronto.ca mse@ecf.toronto.ca undergrad@mie.utoronto.ca lmak@ecf.utoronto.ca



GLOSSARY

A

ArtSci (noun) – The Fighting Alloy Team that you battle in Multi Man Brawls. Individually they are weak, but they make up for it in sheer numbers. ArtScis become closer to level 9 as they approach graduation.

B

Bell curve (phenomenon) – The process by which a very hopeless situation or grade magically gets better, like when you're getting destroyed in a free-for-all until a starman drops right beside you.

BEvERages(noun) - read between the lines... **Blue & Gold**

- 1. (noun) Skule™ colours.
- 2. (noun) Two people that will provide you with lots of fun social events.

Bnad, The (noun) – Pretty much the greatest marching band in history, so great that they must be closely followed by the cannon to protect from jealous artsies.

C

Calculus (noun) – If you're core eight or track one, it's your regular hammer. If you're EngSci, it's your golden hammer. Trusty and reliable, it will get you out of a tight spot time and time again...until you need it most and its head falls off, leaving you helpless.

Cannon (noun) – Our very own Dragoon. We are willing to fight tooth and nail to keep it in our possession (only twice having failed to do so), and it goes off with a bang when the time is right. Much like an assembled Dragoon will cut through CPUs like a hot knife through butter, ArtScis are known to tremble in fear of the cannon.

Chem (noun) – Where the Peachs and Zeldas of your batch will most likely go.

CIV (noun) – The people who at the end of four years realize calculus is of zero use when building bridges.

Commuter – (noun) person who sleeps in common rooms,

other people's dorms, the Pit, etc. a couple times a week.

Convocation Hall (Location) – If you have lectures here, either drink coffee or bring a pillow.

D

Delta Epsilon (noun) – two Greek letters which are simple until combined. These kind of proofs are usually quite challenging and are unique to EngScis.

E

ECE (noun) – People who have a loyalty rewards card with the ECF labs and have an aversion to showering.

EngSci (noun) – High school kids who act like Bowser in the Subspace Emissary. Very overconfident coming in, they get demoralized, beaten up, and knocked out. Also known as Track One Supersize.

Ex-EngSci (noun) - Pretty much everyone.

G

Girl (gender) – see chem Godiva Week (weeklong event) – Much awaited real life matches, with ever intensifying stages, for sought-after titles. And celebrations! For further details, look at the giant poster hanging by the SF Atrium on the first week of the Winter Term.

H

Hardhat

- 1. (noun) A decorated symbol of membership, is as useful to you in your studies as a Star Fox pilot's helmet is useful to the pilot when being chased (and potentially blown up) by Andross or Star Wolf.
- 2. (instruction) Screaming "Hardhat" implicitly makes all Flrosh leaders chase down the thief of your hardhat. DO NOT INVOKE LIGHTLY.

Indy (noun) – The Falcos to the Mech engineers

Infrastructure (option in Engsci) – Essentially CIVs who decided to go through two years of EngSci.

120 F!ROSH HANDBOOK 1T6

GLOSSARY



LGMB or Lady Godiva Memorial Bnad (noun) - Like battles on Pokemon Stadium with only pokeballs on high frequency, they are nothing but pure distraction and serve no rational purpose when they barge and make noise in the middle of lectures.

Mech (noun) - The Fox McClouds to the

Mineral Engineering (noun) – As of date, the rarest kind of engineer in our faculty. There are just as many Mins in your batch as there are Pit players in the world.

MSE (noun) – Chemistry heavy and probably only exists to cater to guys because chem eng is overpopulated with girls.

Pit, The (noun) - Basically the best place ever. You should spend all your time here. Located in the basement of SF

Praxis (unknown) – We still have no idea what it is and the two profs in charge act like Master Hand and Crazy Hand. If you procrastinate, you will be destroyed as badly as the first time you tried to play them on Intense difficulty. **Problem Sets (plural noun)** – Doing them in groups will be as difficult as completing a 100-Man Brawl. Doing them alone will be as difficult as getting 100 kills in Cruel Brawl.

Programming (noun) – While doing this, you will feel that the computer is twice as annoying as Pichu and Pit combined.

Queen's (noun) – Skule™'s big rival. The only other engineering faculty that even comes

Shower (verb) - What ECE's should remember to do.

Skule Nite (event) – Engineers trying to be theater artsies. As usual, whatever they can do, we engineers can do better and funnier! F!rosh get free tickets!!!

Sleep (verb) - We don't use this word around here.

Smash Bros. (Way of Life) - The only games where you can truly answer the longargued guestion, "Who would win in a fight between Mario and Pikachu?" by picking up a baseball bat and beating the snot out of one with the other. They ought to make playing this as one of tthe core requirements to admit you to Engineering. (PRO TIP: if anyone tells you one game in the series is better than the others, that's the first game in the series that they played.)

SUDS (event) - Friday night. SF Atrium. See you there.

Toike Oike (noun) - The real engineering newspaper. Try not to get offended.

TrackOne (noun) - EngSci Lite version, and similarly, only get beaten up and subjugated instead of the more painful suffering of their EngSci brethren. Like Dedede, they have a backup plan in case things go south (and things go south pretty often).

TrackTwo (noun) - TrackOne's wish that this existed.

Upper Year (noun) - Grizzled veterans of Skule™. You should follow their lead.

Waterloser (noun) - A Waterloo engineer. No school spirit. Aren't you glad you didn't go there?





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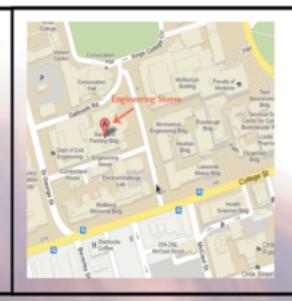
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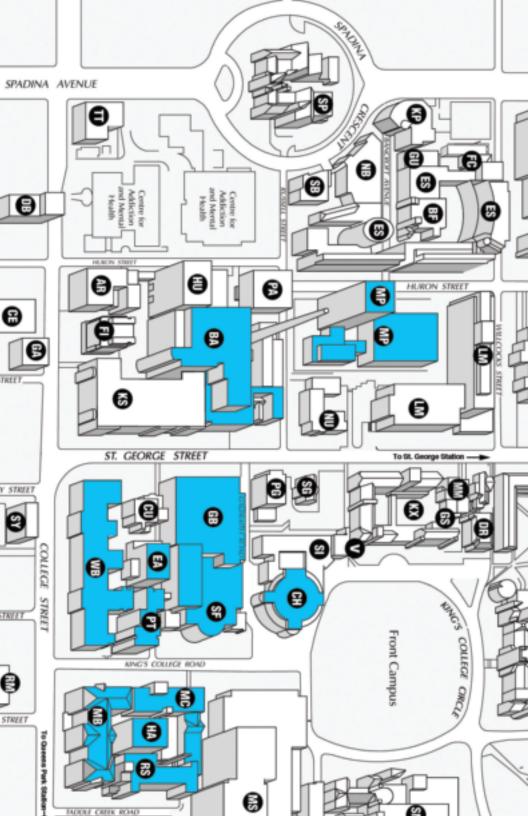
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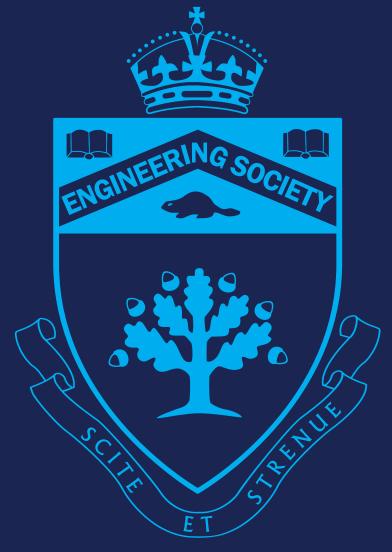


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