

Engineering with



SKULE SQUAD™

F!rosh Handbook 1T3



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DISCLAIMER

You are about to embark on an incredible Quest, to finish first year will be your greatest test. But don't you dare let this worry you, F!rosh, cause this Handbook will make you say "oh my gosh!". As you bravely explore the pages here-after, our cleverly-helpful-tips will fill you with laughter! Now before we go further, let us steal your attention. For legality's sake, there are some things we must mention:

The opinions and views expressed in this Handbook, are those of the writers, and should not be mistook. For being also held by the esteemed U of T, or even the Applied Science and Engineering Faculty. Also note: The Engineering Society should not be held liable. Good. Now we can move onto more things that are rhymable.

The editor trusts no one will be offended, by the contents of this Handbook, since everything is splendid. But of course if you find yourself harbouring concerns, You might just be wondering, "to whom can I turn?". The answer is simple, do not explode! It's the President's Office: 10 Kings College Road. (Toronto, Ontario, M5S 3G4).

Now as you read on, some things you will see: logos, trademarks and images, all three. It's important to note that these things aren't all ours. Especially those characters that have super powers. To their respective owners, they belong, you must know: Marvel, DC Comics and some TV Shows. This handbook is in no way affiliated with these, so do not get angry or frustrated please.

Oh good, now that's over, let's move on to the rest, You'll find tips and advice to make this year the best. School is important, but get involved too! As you will soon see, there is lots you can do. This Handbook is awesome, so please, do enjoy! We hope this year at Skule™ will bring you great joy.

We, the students of the Faculty of Applied Science and Engineering, by virtue of the privilege of being here, represent Skule™ to the larger society. We have, therefore, a special duty to exemplify the best qualities of the Faculty and to observe the highest standards of personal and professional conduct. In so doing, we promote ourselves and the merits of the University, the Faculty, and the Engineering Society.

In our words and actions:

- We embody the respect for truth, integrity, fairness, free inquiry, and the opinions of others.
- We respect all individual 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.

ENGINEERING CODE AND ETHICS

INTRODUCTION

F!ROSHIES!!! Welcome to F!rosh Week, I hope you're as excited as I am about this year's orientation. This handbook has everything you



HUBERT KA
EDITOR-IN-CHIEF

need to know about F!rosh Week, tips to help you survive first year and it will introduce you to the many different aspects of being an Engineer at U of T!

Enough about this, go on and read through the adventures of Skule™ Squad as they travel and learn through U of T Engineering!

If you have any questions or would like to know more about Skule or the Handbook, send one over to handbook@skule.ca

EDITOR'S MESSAGE

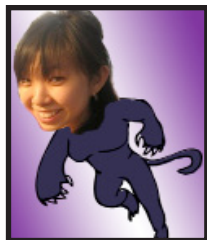
STAFF

A handbook about superheroes cannot have been created without the efforts of some very super-people. Many thanks to be people who wrote, who drew and those who coloured this book. To my Co-Editors and amazing Artist-buddy,

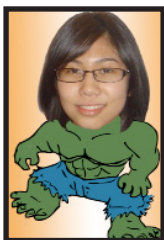
thank you for putting up with me and this handbook for this very very long summer =D



NASEER PASHA
ARTIST-BUDDY



JOLENE CHIU

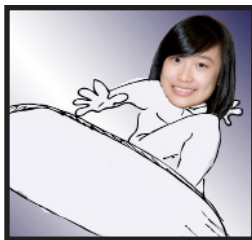


ILONA WONG



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ORIENTATION

ORIENTATION CHAIR MESSAGE

Hello F!rosh 1T3! A mighty welcome and congratulations on your acceptance to the U of T Engineering program a.k.a Skule™. Get ready to roll on this whirlwind of four years (+PEY) towards your degree.

So what exactly is this Engineering Orientation Week (better known as F!rosh Week)? Simply put – 360 degrees of pure AWESOMENESS! To let you in on some of the secret ingredients in this epic concoction:

A yellow Hard Hat, purple dye, stopping traffic on Yonge Street, competing with other U of T colleges in Bed Races, scouring the many nooks and crannies of campus in the Scavenger Hunt, busker while watching the Toronto Air Show and more!

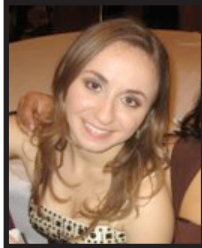
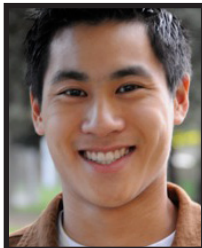
In case you are fasting during F!rosh Week, following religious observances, note that our schedule includes Iftar dinners. We also have a dedicated Ramadan Activities committee, responsible for attending to your needs, including the arrangement of your prayers right here on campus.

This is just the beginning. Keep reading your F!rosh Handbook to learn more about F!rosh Week, Skule™ Traditions, Academic Tips and ways to get involved in order to make the most out of these years at Skule™. Smile! You have every reason to, seeing as how you are now officially part of the most spirited faculty on campus: Engineering!

If you have any questions whatsoever, shoot an email to askorientation@skule.ca.

Cheers,
Ines Lucia Fernandez
Orientation Director
Indy 0T9 + PEY

ORIENTATION COMMITTEE



HEROES OF SKULE™ (DISCIPLINES)

TRACKONE

NAME: Mystique

POWERS: Shape shifting, discipline-shifting, procrastinating, infiltrating other common

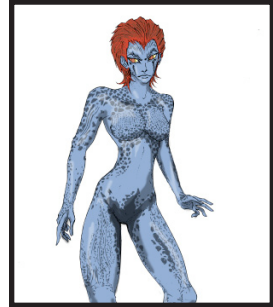
rooms

WEAKNESS: Decisions

LOCATION: Fourth floor Sanford Fleming, trackone@skule.ca

FAVOURITE SAYING: "What do you want to do?" "I dunno, what do you want to do?" "I dunno."

BIO: The TrackOnes entered Skule™ ready to tackle courses from every discipline, but they were glad all their courses were already chosen by the Faculty. They were also ready for free lunches many Fridays from other disciplines trying to recruit them, but they had some trouble choosing between the different foods being offered.



ELECTRICAL

NAME: Magneto

POWERS: Manipulation of magnetic fields, genius-level intellect, laboratory endurance, foosball skills

WEAKNESS: Social situations

LOCATIONS: SF B650, EA 203, BA 1120, ececlub@ecf.utoronto.ca

FAVOURITE SAYING: "Don't talk to me, I'm doing my prelab."

BIO: The Elec has spent long hours working towards enlightenment. When asked about his work, he just mumbles something about "a ring of Iron". A mishap during a lab involving Wimhurst machines has given him control over magnetic fields. Although brilliant and undoubtedly powerful,

the more his knowledge grows, the more of an oddball the Elec seems to become. Luckily, he has a refuge from the taunting of the others (EA 203).



COMPUTER

NAME: Doctor Octopus

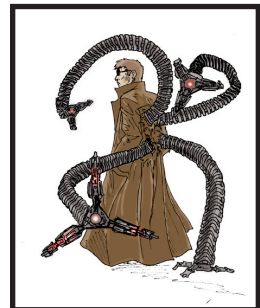
POWERS: Genius-level intellect, belly flab, poor eyesight, "musk"

WEAKNESS: Girls, exercise

LOCATION: SF B650, EA 203, BA 1120, ececlub@ecf.utoronto.ca

FAVOURITE SAYING: "DOTA anyone?"

BIO: Countless days and nights of staring at computer monitors programming have left him near-sighted, out of shape, and in desperate need of a shower. Alas, work never ceases and for the Comp, it's always business before hygiene. And the closest the Comp gets to exercise are rounds of Street Fighter II (Chun-Li is his favourite) and foosball in his underground lair (SF B650).



CHEMICAL

NAME: The Powerpuff Girls

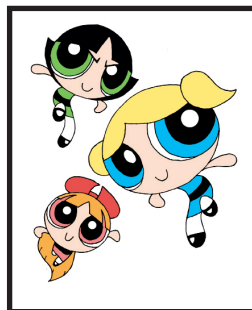
POWERS: Seducing male engineers, extreme lab endurance

WEAKNESS: CHE112 (you'll see)

LOCATION: Second floor Wallberg, chemclub@skule.ca

FAVOURITE SAYING: "Like, oh my gosh!"

BIO: Chem, the only discipline to have more girls than guys are also the only discipline besides ECE known to have a workload that could rival even the EngScis! The Chem is known for her chemical concoctions created in her massively long labs that leave other superheroes damaged and swooning in her wake.



MATERIAL



NAME: Mr. Fantastic

POWERS: Flexibility, thorough knowledge of BCC and FCC structures

WEAKNESS: Any force beyond their Yield Strength

LOCATION: First floor Wallberg

FAVOURITE SAYING: "We work with materials on a nano-scale, but our materials are on a 12-inch scale, if you know what I mean."

BIO: The MSE is a peculiar case. His studies have given him knowledge shared with a variety of the other disciplines: he studies the strengths of materials just as the Civs and Mechs do, he tries to impress the Chems

with his own knowledge of chemistry, and his electrical expertise allows him to engineer different kinds of semiconductors. Though he could be called a Jack of all trades, he is master of none.

INDUSTRIAL

NAME: Lex Luthor

POWERS: Optimizing backward overflow, improving drive-through efficiency, flipping burgers, changing oil in the deep fryer

WEAKNESS: Math, science

LOCATION: Third floor Mining building

FAVOURITE SAYING: "Want fries with that?"

BIO: Often called the individual at Skule™ with the most similarities to an artsci, the Indy takes less traditional "engineering" courses than the other disciplines (with the possible exception of the EngSci). However, the Indy has a remarkable ability to improve processes, making them faster and more efficient – the main reason why McDonald's drive-throughs operate so smoothly. Their common room is shared with the Mechs. Many a frustrated Indy can be seen trying to relax through a game of pool without any pool cues.



MECHANICAL

NAME: Ironman

POWERS: Super strength, hitting on Chems

WEAKNESS: Dynamics

LOCATION: Third floor Mining Building

FAVOURITE SAYING: "I'm sick and f*cking tired of all this f*cking dynamics, sh*t!"

BIO: The Mech is said to be the jock of engineering (no, this is NOT an oxymoron!). They could be thought of as the opposite of the Chems: more guys than the other disciplines, known for their swearing, their common room isn't quite as well kept (foosball guys are missing their heads... along with pool sticks), and they uh, don't exactly take pride in their politeness.



CIVIL



NAME: Colossus

POWERS: Free body diagrams, building bridges, finding a couple's moment, adding up to 0

WEAKNESS: Earthquakes

LOCATION: First floor Galbraith

FAVOURITE SAYING: "Any day, any time, we can get it up."

BIO: One of the oldest disciplines at Skule™, the Civ is best known for its ability to achieve massive erections, even though they are just overcompensating. Living by three simple principles ($F = ma$, you can't push on a rope, and to find the answer, you must know the answer), the

Civ also has an astounding knowledge of materials like, concrete, steel, and timber. Their structurally sound base is located on the first floor of Galbraith Building, near the connection to the Sanford Fleming building. Outfitted with comfortable couches, a tutorial room, and most importantly, foosball and ping pong tables.

MINERAL

NAME: The Thing

POWERS: Super strength, corporate sponsorship

WEAKNESS: Paying tuition, groups over 12 people

LOCATION: First floor Mining Building

FAVOURITE SAYING: "Ooh shiny [rock]!"

BIO: The Min has one great love in life: rocks. Beautiful, shiny rocks. From the resulting mutations while working in a Uranium mine (they told him not to eat those rocks), he gained super strength and stamina and a rock-like skin that's harder than a full EngSci course-load. The Min's skin has been known to repel the Chem's strongest acids, the Mech's most powerful machines, and the MSE's most advanced super-materials.



ENGINEERING SCIENCE

NAME: Brainiac

POWERS: Epsilon-delta proofs, foosball, Halo 3, riding the Bell Curve, triple integration, praxis

WEAKNESS:

LOCATION: 2nd floor Bahen Centre

FAVOURITE SAYING: "How do you find the area of a triangle? Integrate the function of the triangle over the function of a line!"

BIO: The EngSci is one of the strangest creatures found at Skule™. Isolating themselves within their base, the first year EngSci spends all their time studying epsilon-delta proofs, beam theory, non-functional requirements, and generally cursing their inner over-achiever. After just one or two semesters, the intense work begins to take its toll, resulting in a strange phenomenon. One by one, many of the EngScis begin to disappear, usually reappearing a semester later as a Mech or Civ.



ARTSCI



NAME: The Artsci

POWERS: Colouring, singing the alphabet, sheer numbers

WEAKNESS: BEDMAS, usefulness, getting a real job

LOCATION: They're everywhere man!!!

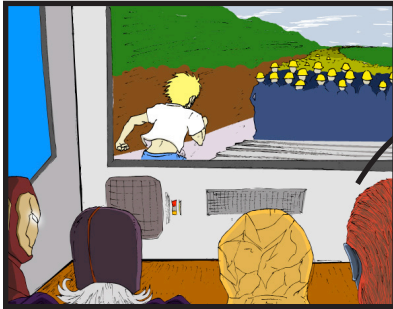
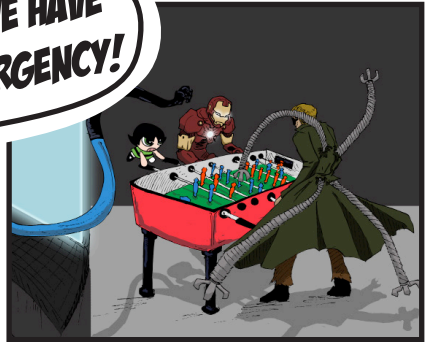
FAVOURITE SAYING: "We love the arts and sciences! It's just like kindergarten again, only we get a bachelor's degree for it!"

BIO: The Artsci's are the sworn enemies of the Engineers. Insecure of their subpar brainpower, they have always looked upon the Engineers with jealousy and scorn. They have set out to steal the sacred artefacts in hopes that with them, they will acquire the strength and intelligence to

rule the world!



THE BEGINNING...



**IT SEEMS LIKE THE SNEAKY
ARTSCI'S ARE TRYING TO
STEAL A F!ROSH HARDHAT!**



**WE MUST
INTERCEPT!**



**LETS FIND
OUT WHERE
THEY ARE.**

TO THE CALENDAR!



ORIENTATION



	Saturday	Sunday	Monday	Tuesday	Wednesday
8:00	Arrival				Hart House Farm
8:30					
9:00			Discipline Club Events		Faculty Day
9:30					
10:00					
10:30		Secondary Education Evaluation	Lunch		Departmental Lunches & Activities
11:00	Campus Tours & BBQ & Dye Station	Engineering Clubs Day		Faculty Day	
11:30					
12:00		Lunch	Faculty Day		
12:30					
1:00	Downtown	Charity Buskerfest	Bed Races	Faculty Day	
1:30					
2:00		Casey ST Jones Comedy-Hypnosis Show	Capture the Flag	Havenger Scunt	
2:30					
3:00	Dinner	Dinner	Varsity Game/ Get ready for F!rosh Nite/Suds	F!rosh Nite	
3:30					
4:00					
4:30					
5:00	Blue & Gold Movie Nite	Bananas! Suds			
5:30					
6:00					
6:30					
7:00					
7:30					
8:00					
8:30					
9:00					
9:30					
Late					

EVENTS

The X-men have been working hard to organize as many fun activities as possible. This is just a sneak peek of the events to come. But this is not all. Storm is covering up some surprises with her strong winds...

Matriculation: To start off this epic week, you'll meet your F!rosh groups, pick up (or pay for) your F!rosh kit and rip it apart before getting introduced to the best that Skule™ has to offer. Most importantly, this is when you receive your hardhat and take an oath!

Campus Tour: Your mighty F!rosh leedurs will lead you around campus, showing you all the important buildings. This also where you get the (almost) once-in-a-lifetime opportunity to dye yourself purple. Along the way you are sure to run into silly artsci Frosh. Remember to keep a sharp eye on your hard hat for it's a prized possession that is quite prone to theft from the artscis. After this mission is accomplished, a most epic picture of all the F!rosh is taken. No one knows what this picture is going to look like until the arrival of the Skulebook at the end of the academic year.



Downtown Walkaround: So you think campus is huge? Wait until you see Downtown Toronto! You and all of 1000 of your friends will take the form of a gigantic yellow/purple stain as you strut around the streets of Toronto. So big in fact, news channels will feature you on the evening news and helicopters will try and take aerial photos! This is your chance to stop traffic, storm malls, and perhaps take a cool dip at Nathan Philips Square.



Blue and Gold Movie Night: Who said Superheroes don't need a rest? After a full day of activities Blue and Gold is kind enough to reward us with a movie, usually a comedy. This is the time for you F!rosh to sit back, relax and enjoy the show surrounded by all your friends, and of course – your leedurs.

Secondary Education Evaluation: This test does not affect your academic standing in any way; however it is an evaluation that primarily tests your math, physics and chemistry skills. It is conducted in order to assess the quality of your secondary education, and it is highly recommended that you attend. You might also want to attend the tutorial the day before to get a refresher after summer.

ORIENTATION



Discipline Club Events: Discipline Clubs are by far the easiest and fastest way to get to know upper years in your program. Discipline clubs work more intimately and organize social events to promote pride of your studies and promote involvement in Skule™ – not just school. Come out to this event as an opportunity to relax, play some games, and get some one-on-one tips and valuable guidance from those who've been there and want to help!

F!rosh Olympics: As the name implies, it is basically pitting all the F!rosh against one another. This is your chance to show the rest of your peers who's really the strongest and fastest amongst you!

Blue and Gold Bed Races: These are where you show off your superpowers to the other colleges. How? By dragging a bed around front campus faster than them of course!

F!rosh Nite: You probably already heard of it. It's so popular that half the crowd there is comprised of F!rosh (and non-F!rosh) from all the other universities and colleges in Toronto! You don't wanna miss it!

Hart House Farm: This is a weekend trip out to the farm! Here you and fellow F!rosh, and leedurs can go swimming in a pond, eat delicious food, play card games, hang out in a sauna, throw frisbees, sing engineering songs around a fireplace, and perhaps partake in some BEvERages. Be advised, this event costs extra, but its well worth it!

Havenger Scunt: Our traditional Havenger Scunt is similar to a Scavenger Hunt...but a lot crazier, more hilarious and definitely more outrageous. And yes, there are prizes :)

Suds: Our own Engineering pub. You'll learn more about Suds later in the handbook, but all you need to know is that its open during F!rosh Week, and that is AWESOME!



HARDHAT DESCRIPTIONS

Yellow – Standard

This one's for you F!rosh! Your hardhat is a symbol of your engineering pride so give it your own personal flair and enter it in the Hardhat Decoration competition during Godiva Week. But most importantly PROTECT YOUR HARDHAT! A F!rosh hardhat is usually the first item on an Artsci scavenger hunt, and they will do anything to steal it from you. However, if your hardhat does get stolen, just yell "HARDHAT" as loud as you can and watch a swarm of engineers converge on that Artsci culprit.

Green – Publications

This colour of hardhat is given to the editors of Skule's many publications, such as the Cannon, the Toike Oike, Skulebook, and this very handbook! Contact them if you like to write or if you just love to get free food and BEvERages.

Beige – Suds Managers

Beige hardhats belong to the managers of Suds, Skule™'s very own bar. They make sure that Suds is full of people and overflowing with BEvERages every Friday night so you can relax after a long week of classes.

Maroon – Stores Managers

These hardhats are worn by the managers of the Engineering Stores, located in the basement of the Sandford Fleming building. This is the cheapest source of textbooks and also the only place where you can buy Skule™ merchandise like clothing, as well as coveralls and leather jackets when you're an upper year.

Light Blue, Dark Blue, Silver – ???

These hardhats belong to the - These hardhats do not exist, have never existed, and never will exist.*

Brown, Burgundy, and Grey – Cultural, Social, and Professional Clubs

These hardhats go to the chairs of Skule's various clubs. Talk to them about getting about getting more involved in life at Skule™.

Orange – Internal Directors

Orange hardhats go the Engineering Society's internal directors. They put an amazing amount of work into organizing Skule's many annual events like competitions, Cannonball, and Gradball, to name just a few.

High Visibility Orange - The Bnad Leedurs

These ones are worn by the leedurs of the Lady Godiva Memorial Bnad, which is also known as Renegade Musical Terrorists, Marching Gregorian Chant Society, and White Noise Brigade. If you don't like their music (which is what usually happens), try giving them a beer and maybe next time they will disappear!

*This article has been edited by Mario's Bakery.

ORIENTATION

Red - Skule Nite

These sexy hardhats are for the people who run Skule Nite, the most awesomest show around. Be aware, they can make you pee your pants by telling you jokes. Best way to avoid this is you telling them a joke instead – and who knows, maybe you can join the Skule Nite crew!

White – Officers

These are worn by the brains behind Engineering Society to make it work the way it is supposed to (Notice that the hardhat of the president is actually a firemen's hardhat). You can usually find them in the EngSoc office in the atrium. They are the people to go to if you have any questions, concerns, suggestions or problems with anything, they will be happy to listen to you!

Black - The Cannon Guard

The people that are responsible for the security of Ye Mighty Olde Skule™ Cannon wear these hardhats. They are always there with the Cannon, ready to protect it with their lives.

Avocado – Communications

Not the fruit itself, but the colour is worn by the directors of communication of Engineering Society. Specifically: the Archivist, the Computer Systems Administrator, the Engineering Communications Administrator, the Speaker and the Webmaster are in possession of these hardhats.

Gold - Competition Clubs

Gold hardhats are given to the competition clubs (e.g. Engineering Athletics Association) to make sure they always keep in mind that the history only remembers the winner and the second is the first of the losers. Engineers are the ones to be remembered!

Blue and Gold - Mr. Blue and Gold, and Godiva's Crown

The two and the only hardhats that can be won by a contest, Mr. Blue and Gold and Godiva's Crown Contests during Godiva Week. A consequence of owning this two-coloured hardhat that you superhero froshies should be aware of: Mr. Blue and Gold has to drop his pants whenever he is told to do so. Find out who he is and see how one can survive without his pants.



SKULE™ TRADITIONS & HISTORY

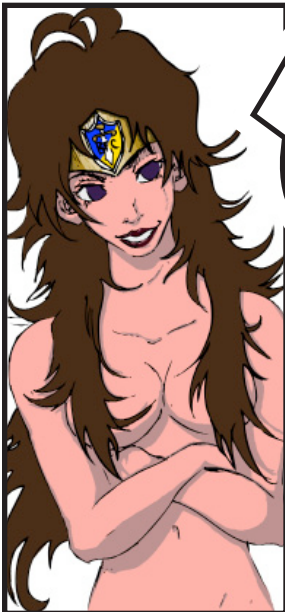
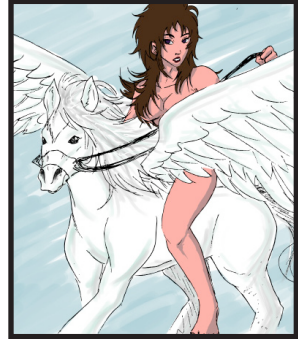
**SUDDENLY,
OUR HEROES SEE
THE DARK SKY PART...**

Lady Godiva is the Patron Saint and symbol of Engineering of Coventry.

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, and his wife, Lady Godiva, fought for their rights. Again and again she appealed to her husband to lower the takes and finally he would grant her request only if she rode through town naked on a horse. And so 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. And it is our duty to uphold this and be the change we want to see.

LADY GODIVA



**THE EVIL ARTSCIS WANT NEWTON'S
THREE SACRED ARTIFACTS TO
CONTROL THE WORLD!**

**WHAT ARE THE THREE
ARTIFACTS? WE MUST
PROTECT SKULE™!**



FIRST THERE IS THE HARDHAT



The hardhat is a symbol of Engineering. It grants aspiring Engineers with the strength to complete their undergrad, and the Artscis want this power for themselves! All F!rosh have yellow hardhats, but there are many different coloured ones, and some that don't even exist! These are granted to Engineers that have achieved something, or who hold a position of importance.

THEN THERE IS THE... MIGHTY SKULE CANNON!



The campus quakes and the artscis 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 Skule™ Cannon and it is YOUR engineering mascot.

The Skule™ Cannon was officially adopted as our mascot in 1929. In the early 1930s, a smaller Cannon began to appear at important engineering events, fire, and quickly disappear. This tradition has been continued for many years; this year marks the Cannon's 80th anniversary. Today a total of seven Skule™ Cannons are in existence.

As the might and glory of the Cannon has grown, so too have the number of rivals that would like to steal it from us. Shortly after its creation, the need to protect our mascot was recognized and the Cannon Guard was formed. Throughout the years there have been many attempts to steal our Cannon, both foreign and domestic. While jealous faculties within U of T have, on very rare 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 school's engineering society is a member of the Cannon Guard. As you become a part of our engineering society you will 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 yourself and help forge the destiny of Ye Olde Mighty Skule™ Cannon.

Honour It. Respect It. Protect It.
Chief Attiliator 2009-2010

BRIEF HISTORY OF THE CANNON

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 appeared during Skule™ festivities, was fired, and then mysteriously disappeared.

1936 Eng Soc reps approached a machinist from civil engineering, to know, unofficially, if he would make them a cannon.

1941 UC stole The Cannon but it was instantly returned.

1949 The Cannon disappeared into the meds' building. In retaliation, the engineers kidnapped the Med Society president. After a few days' debate, 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 England, where two of them, venturing into the thieves' living quarters, and 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.

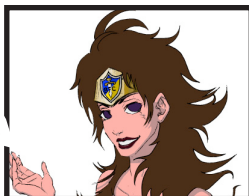
1976 Robert Gilmour (the CA at the time) was found guilty of defacing The Cannon. The Engineering Society passed a motion of censure against Gilmour and the entire deed was exposed in the Toike. Furthermore, The Cannon Guards would henceforth wear black hard hats, in place of the traditional red ones, to show the Engineers' displeasure.



1997: The Hart House porter prevented the Chief Attiliator, Drago Banovich, from firing The Cannon. For those of you 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.

AND THE THIRD, AND MOST POWERFUL ARTIFACT - THE IRON RING

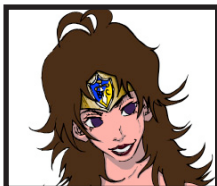
Upon graduation, engineers in Canada are awarded with an Iron Ring. The ring is (said to be) made from the iron of the Quebec Bridge that collapsed during construction in 1907 and killed 75 construction workers. Reconstruction began in 1916 but the bridge collapsed again. Upon further inspection by a 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 as a constant reminder of the tragedy of the Quebec bridge and that we as engineers can save or destroy.

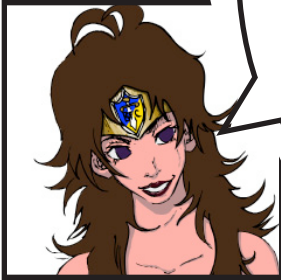
PURPLE DYE

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 bilge 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.



THE PURPLE DYE WILL HELP YOU DISTINGUISH OTHER ENGINEERS!

THE TIMELINE OF SKULE™



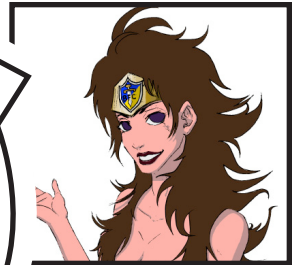
It was the year 1885 and Canada was about to get its first **Engineering Society**, the world would change forever. The first leader of the Society was Prof. John Galbraith, who served for 4 terms. Taking his place was H.E.T. Haultain, the first student leader of the Society. The objectives of the Society according to the constitution were:

1. The encouraging of original research in the Science of Engineering.
2. The preservation of the results of such research.
3. The dissemination of these results among its members.
4. The cultivation of a spirit of mutual assistance among the members in the practice of the profession of engineering.

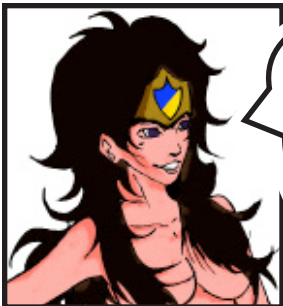
Through the years these objectives have changed, and eventually found their way to the society that we know and love now. This being one that provides services for the students and speaks as a united voice for the undergraduate population. It should be noted that Haultain, later a professor, was the one who approached Kipling and saw the first **Iron Ring** ceremony take place in 1925.

The colours **blue and gold** were selected to represent the society in the 1891-92 school year. The **Skule™ Yell**, which follows each firing of the **Mighty Skule™ Cannon**, originated in the year 1920. This is the first time **Toike Oike** is seen, and the meaning is unknown. This later became the name of the school's election paper in 1910, eventually to become the infamous "official" humour newspaper of Skule™. In 1979 this was complimented by the addition of **the Cannon**, a serious newspaper that is still published by the Society.

Perhaps one of the larger traditions of Skule™ started in 1921 at Massey Hall and was named **Ngynyrs in SPaSms**. The show was extremely well received, and in the year 1923 it was moved to Hart House with ulterior motives.



The show was only a small part of the evening, as almost the whole house was opened up for displays. This was known as "School Night", which became "School Nite" and eventually **Skule™ Nite** as it is known today. The spelling "Skule" originated in the 1943 School Nite programme. It took some time for this name to stick, as many felt that it degraded the name of the School of Practical Science. In 1966 the old schoolhouse, which bore the title "School of Practical Science" on the lintel stone, was the only remaining building from the SPS, was torn down to make room for the Medical Science Building.



ORIENTATION

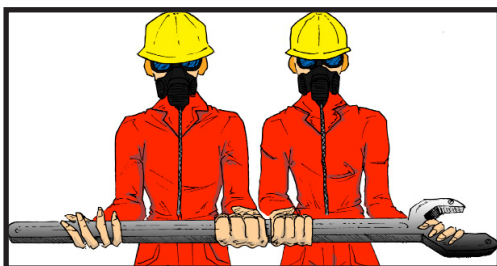
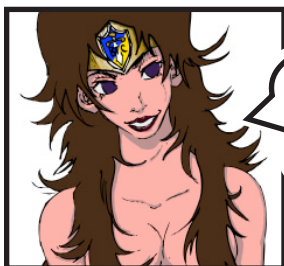
It wasn't until the year 1984 that the Engineering Society gained ownership of this name, hence the "™".

Perhaps the most glorious traditions that engineers are proud to call their own is that of the **Mighty Skule™ Cannon**. Cannons were a part of life at SPS even before 1900, however the Society did not have its own Cannon until 1936. All that is forgotten when one hears the Earth Shattering Ka-boom that is released every time our beloved mascot is fired.



Second in the Trilogy of great Skule™ symbols is the **Lady Godiva Memorial Bnad**. A. J. Paul La Praire, then Direktor of Kultural Activities,

undertook the duty of founding the **LGMB**. The ideals of the LGMB have changed little over the years, and as a result they have had a healthy following, which can be seen at various events across the University community and city.



The third and final piece of the Skule™ triumvirate is the mythical **Brute Force Committee**, which I may add does not exist, never did exist, and never will exist. That said, the capers that they may or may not perform have no place in this history, and will no longer be talked about.

The remaining aspects of the Society include a number of services that every student uses at some point in their trek towards the Iron Ring. Whether it be **Engineering Stores**, where students can buy Skule™ clothing, text books and supplies at the lowest prices around, or **Suds**, where they can enjoy a **BEvERage** or three with classmates on Friday afternoons, or the **Skulebook** that has all their memories preserved permanently.

The **Engineering Athletics Association**, and other independent organizations work together to ensure that our short 4, 5 or 6 years at Skule™ are ones that we look back at fondly, and will continue to do so as long as problem sets are copied and projects are left to the last minute.



THE SKULE™ HEROES

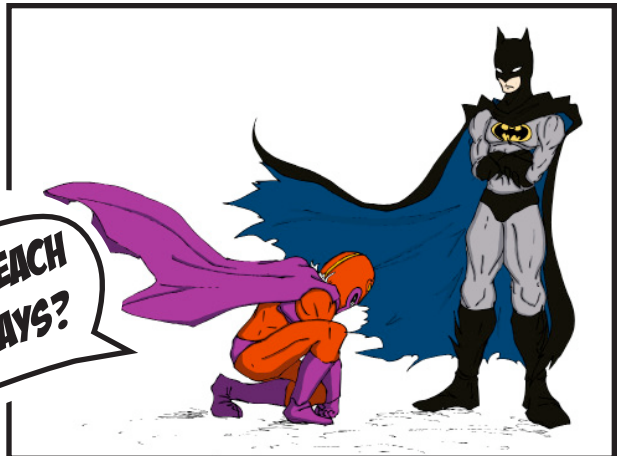
IN ACADEMIC TRAINING

OUR HEROES MUST TRAIN TO BATTLE THE DEVIOUS ARTSCIS



**TO THE
BATCAVE!**

**CAN YOU TEACH
US THE WAYS?**



**STUDY HARD!
MAYBE YOU'LL
BE ABLE TO MAKE
CHEMICAL X!**



CHECKLIST

It may not be Batman's utility belt, but your backpack will still be the most useful thing you'll have all year. Just remember to leave the shark repellent at home.

Calculator – Not Professor X? You'll need one of these. The three models allowed are the Casio 260, Sharp 520, and TI-30. While impostors work just fine, they'll be found out and confiscated – usually at the beginning of an exam.

Agenda – A smorgasbord of free agendas are available from UTSU and Skule™ to help you organize your life. Never walk into the wrong exam room again!

Stationary – Facing down The Thing? Remember that paper beats rock! A clipboard or notebook with lined paper works fine for most people. APS111, APS112, and ECE110 all require a hard-bound engineering notebook; CIV100 requires special paper. All this is available at the U of T bookstore or the (cheaper) Engineering bookstore.

Writing Utensils – The pen is mightier than the arm-cannon, but pencils might be your preference. Bring along an eraser, highlighter and a ruler too; you'll need it to emphasize, correct, and draw your way to become the Supreme Ruler of Straight Lines.

Stapler – You can be as useful as Aquaman and everyone will still love you for your stapler. Other staplers can be found in the EngSoc office in the Sandford Fleming atrium, the First Year Office in Galbraith, and the Engineering Library in Sandford Fleming.

Laptop – Who are you, robo-Thor? Unless you've got a WoW addiction to feed, leave the laptop behind.



TIPS FOR SUCCESS



**TO DO WELL AND BE ABLE TO PROTECT YOUR
HARDHAT AND GAIN YOUR IRON RING...**

"It's a bird... it's a plane... no it's SUPERMAN!!!" Well not really, but that should have gotten your attention. It's a cruel world out there and Superman won't always be there, but these tips will provide you with special powers to overcome the

challenges of first year engineering and save your grades.

1) Working hard or hardly working?!

Realize and accept that you are now in university, and one of the toughest, one of the most challenging universities in the country for that matter. So, BE PREPARED TO WORK HARD. High school was your sweet past and you got through it just fine slacking off. But university is definitely going to be demanding all of your time and effort, so make sure you are ready to give all you got.

2) Time is GRADES!

Yes, managing time successfully can mean you won't have to fret about passing your courses when finals come around. Here's how you can be on top of your game:

- **PRIORITIZE** – Studying comes first and don't even bother to attempt to consider questioning that. Also, almost as equally important is your health, which includes eating proper meals, sleeping enough and on time, and maintaining your sanity (this is where you should allow yourself the much needed study breaks)
- **NO MEANS NO!** – know that saying no to partying, movies, etc. does not mean your friends will disown you.
- **GET INVOLVED** – Partying up or down meaninglessly can be dangerous for your grades, but getting involved with Skule is an exception. This will introduce you to many people, who can be conveniently categorized as your potential best friends, your potential boy/girlfriends, your potential study groups/tutors, your potential references for jobs, your potential employers ... I hope you get my point.

3) To study or not to study...

As most of you are not aware, studying is an art. You can't just get a textbook, read through it and hope to ace your tests. Here's how you can master the art of learning:

- **DO NOT CRAM** - this is why the time management section came before this section. Trust me, cramming brain freeze during exams means bad marks on the exam for you :(
- **SCHEDULE YOUR STUDYING** - Plan ahead and see which tests/assignments are coming up. Look back and see which subjects you are falling behind in. Make sure your weakest subject gets the most attention, and that every subject is reviewed consistently.

- **MAKE THE MOST OF YOUR DAY** - It's easier said than done, and most of us are not morning people, but do wake up early. Studying during the day has been proven to be much more effective than during the night. At night, you are tired anyway so don't do problem sets. Review your notes and key concepts before going to sleep. It will allow your brain time to process the information and you are likely to remember what you read.
- **TO NOT STUDY...?** - You are only human and you don't always want to do what is logical. There will be times when you have woken up early, eaten a good breakfast, and are all geared up to start those dynamics problem sets, but you just can't pay attention. So, if this continues even after an hour, just stop. Go watch your favourite TV show or pay a visit to the athletic center. Satisfy your distractions and see how fast you can get back into studying afterwards.
- **STUDY EXAMS and EXAM WRITING STRATEGIES** - This is pretty straightforward. Make sure you go through past exams and review exam writing strategies like reading instructions (obvious but often ignored) and spending time on questions in proportion with the marks they are out of.

4) Exploit your resources

If you don't get something, You know those yours in your always know what totally take advantage shame in admitting you concepts, especially when pass. Also, if your TA is too shy to make eye contact with you or can't speak English, go to a different TA. You can also switch lectures so you can get a professor who will teach you better. On that note, **ATTEND LECTURES AND TUTORIALS** and use them productively, as in take notes, ask questions, and listen to class discussions. There are other help groups and mentorship programs which are at your service so do ask around and use them.

**DON'T FALL
FOR THE
ARTSCI TRAP!**

get help ASAP! smart friends of Starcraft posse who they are doing, yeah of them. There's no don't understand some it means you can



In conclusion, your marks could and will drop, but following the above will keep you from failing (i.e. Succeed). As a great man once said, it is our choices, not our abilities which determine our success. There is both good and evil in all of us; but only a true superhero will make the choices that will save the world ... and the grades.

CLASSROOM ETIQUETTE

Studying in university is different from studying in high school. For starters, professors are not going to take attendance. But now, don't get excited by this new found liberty. University classes have rules that you should obey.

Here are some tips that can help you prepare for that:

- Don't be late. You don't want to be the one person who enters the lecture room through the front doors and create a buzz of silence, followed by stares until you reach a seat, which will creak loudly when you sit in it (U of T buildings are not known for their spectacularly new buildings). But the worse is when professors make fun of you in a way so clever that you won't be able to laugh it off with your buddies afterwards.
- The nature of students will always compel them to chit and chat during lecture. Some professors will ignore the hum but some might just lose their cool about it. Fight the impulsion like a true hero and try to keep quiet. You never know, the nerdy people in the front might actually want to listen but instead get caught in the reverberating sound of your whispering due to the bad acoustics of the lecture room.
- Avoid listening to your iPods or other fancy MP3 gadgets during lecture time. Trust me you're not going to impress anybody with them. Not only will it distract you from the professors' teaching but some of them may even ask you to remove your headphones.
- Ask questions when you don't understand the course materials. Don't be afraid of how silly it might seem you. There might be 40 others like you who are embarrassed about the exact same question. You in turn will learn to thank those who asked a question that you thought was "silly".
- Remember to set your cell phone to vibrating mode. This is a respect to both the professors and the other students.



TEXTBOOKS

There are various places within the U of T campus that sell engineering textbooks. But of course, you would like to buy the textbooks with lower prices. The first place you can buy textbooks is the Engineering bookstore at the basement of Sandford Fleming Building. You can either buy a single textbook here or simply buy a set of them with a discount.

The second place you can buy the textbooks is the Discount Bookstore. This store is located on 229 College Street (Many students can hardly find this store the first time because it is located at the basement behind Einstein's and the entrance is really invisible!). On average, the prices of the textbooks are lower than that in the U of T bookstore.

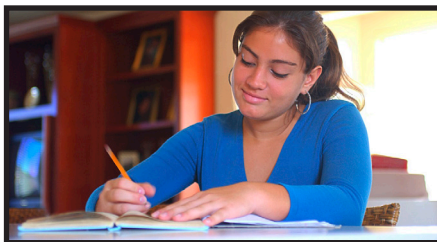
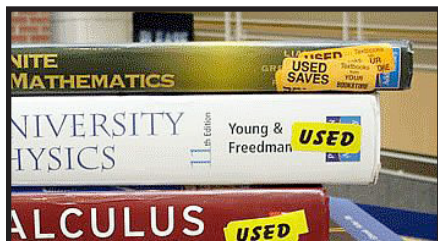
The third way to get the textbooks is by asking the upper year students. You can gain access to them in the common rooms of different engineering disciplines. However, their textbooks may not fit the current year because some textbooks are of the previous editions.

You can purchase the textbooks in the U of T bookstore. It is the easiest bookstore you can find (located at the corner of St George Street and College Street). But the textbooks' prices are the highest among all the bookstores in U of T campus.

PAST EXAMS

Doing past exams is one of the best ways to get high marks in the final exam. So it is really important to do them after you have reviewed the course materials.

The most convenient way to get past exams is to go to the Exam Database of the Skule Webpage (<http://exams.skule.ca/>). You can simply get them by browsing the course codes. They normally provide the past exams for the past 5 years. But don't rely too heavily on past exams as the course syllabi change from year to year. An excellent way to know if you're on the right track is by looking at the name of the course coordinator of the paper. If you have the same prof, then chances are the same format and similar questions will be on your exam too. Other than the website, the professors will upload some past exams onto Portal before the final examination.





TIMETABLE GUIDE

On ROSI (the Student Web Service Site) you can find your timetable for any semester during your school year (though it's a good idea to check it right before the semester starts to make sure they haven't made any last-second changes). You will have 3 types of classes on your timetable: Lectures, Tutorials, and Practicals. Classes start 10 minutes after the hour to give you time to get to your next class. You'll know where your class is by looking at the code on your timetable of [building code][room #]. For example, SF1101 means room 1101 of the Sandford Fleming building.

Lectures (LEC)

Lectures will become your main source of learning throughout university. In them, your prof talks about the material in the course, and writes down notes for you to take. Some profs will post their notes online, or post incomplete note shells which you can complete in-lecture. Attendance is never mandatory, but it's probably not a good idea to skip, unless you want to rely on your books to learn any new material you encounter (plus profs like to give tips on what your midterms and exam will consist of in lecture).

Tutorials (TUT)

Tutorials in engineering are a chance to get some time with one of U of T's culturally diverse graduate students! They are your chance to get some of your questions answered about confusing concepts or problem sets. Tutorials are also commonly used by your professors as the place to get quizzed on course material, so skipping them is also a bad idea.

Practicals (PRA)

Practicals (which are basically labs) are your chance to get more hands-on experiences in a course. Practical are the least recommended type of class to skip, as they actually take attendance as you are being marked during the session. You are required to do your own lab preps, and if you don't you're going to be pretty confused during your practical.

Labs typically take between one and three hours to complete, and TAs will be around to help you out if you need them to (though you shouldn't if you did your lab prep). Most labs require some kind of formal report (which the lab preps help you prepare, if you did them) to hand in at the end of your lab session. In summary, you should do your lab prep, and get some easy marks in these practicals.

Office Hours

Though not marked on your schedule, you should mark down your prof's office hours. They offer a great chance to get some one-on-one help from your professor on the course material, and trust me, one hour with the prof is worth at least 3 hours with your textbook.

In our anti-calendar (unlike the conventional academic calendar), we expose the courses that you'll be taking the way they really are, with tips and all the useful information you need to pass the courses.

ANTI-CALENDAR

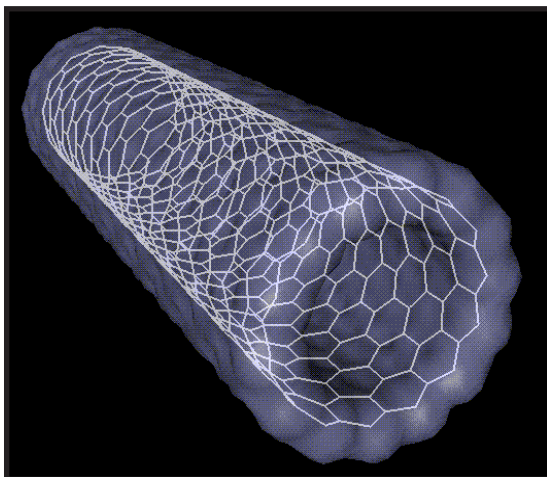
Check your schedules on ROSI, the U of T website portal to see which courses you will be taking this year.

APS101: Computer Programming

Hey Indys! So, if you have taken Java before, relax. You'll probably cruise through the course. If you haven't, don't worry. If you work at it, you can definitely do well. They start with what a computer is (quite literally) and there are lots of chances for you to get help (friends who have taken Java before, weekly labs, lectures, tutorial, office hours, and the discussion board). Going to lectures is important, especially when the prof decides to do a clicker quiz in class (and yes, it does count towards your marks). However, missing a few lectures here and there won't hurt since incomplete lecture notes are posted online, and labs and assignments are where you do most of learning anyway. There are three large assignments, so be prepared to set aside at least 3 full days for each one and work on it in groups if you procrastinate. Of course the other option is starting early and getting lots of help from TAs (there will be special office hours for assignment questions) and the prof. Tutorials are questionable in their usefulness, but there are small quizzes during them (so don't skip all of them!). For the midterm and exam, do all the sample questions the prof posts because they'll use almost exactly the same questions for the real thing, but with a bit of a twist, so watch out for that.

APS104: Introduction to Materials and Chemistry

APS104 is a crash course to Chemistry and Material Science for the TrackOnes and ECEs. It is a fairly new course (You guys will be the third ones taking it!) so it may still seem a little rough on the edges. If you liked chemistry in high school then well, you might want to rethink it over. This course is divided into two parts and will be taught per term. First you will learn about chemistry. It will be a review in the first few weeks (well, if you still remember it) as it goes over stoichiometry, enthalpy and entropy, and other concepts of thermodynamics (ICE Tables!). It may seem relatively easy but if you were like us and forgot about high school chemistry over the summer... then well you better study hard because lectures may



or may not make any sense at all. And they're not the most interesting (You've been warned!). The tutorials are mandatory as mini quizzes take place there, as well as your test (which was pretty much free marks). Make use of these times to actually understand the material instead of cramming it last minute like I did.

The second term consists of - you guessed it - material science. The main essence of it is about atoms and how they bond to make certain structures, and various properties regarding it. It is roughly the microscopic level of chemistry, if you will. There is quite a bit of memorizing to be done in this course, as it will be applied to the questions you will encounter in conjunction with lots of diagrams. Speaking of which, learn to read the diagrams! In the latter portion of the course there will be lots and will be essential to answering many questions! Again, tutorials are mandatory as there are weekly quizzes and assignments handed out. If you have a nice TA then these quizzes just may be free easy marks. The lectures for this course may be a total bore to you but please do not sleep through it like I did and cram for the exam the day before (yes I and many others did it), it's not the most fun experience.

You may be panicking about buying two textbooks for this course but fear not! As the textbook for APS104 is a compilation of different textbooks you will be using. However the chemistry portion was pretty much useless besides acting as a paperweight. Besides the practice questions (they were confusing as hell) it is not worth reading, don't waste your time! The materials section of the book will be useful to an extent. However if you have a friend that already took MSE101, borrow their books so that you won't have to carry a huge textbook around every week!

This course wasn't the most interesting for us, however we hope the course was more polished for you guys this year!

APS105: Computer Fundamentals

Take that computer programming course in high school? Awesome, the first half of the course should be a cakewalk. Didn't? That's okay too. This course will be using the C language. Course starts off at a beginner level. Basic stuff like: variable types, loops, arrays and selection statements. Be warned though. Past the midway point things start to pick up and it's easy to fall behind and not have time to fully understand concepts like linked lists and recursion. Come exam time you'll have to be the Flash to catch up if you've fallen too far behind. Also make sure to do the weekly labs. They start off simple, with only a few lines of code. But my advice is to do them in advance whenever you have some free time. Not only will you be able to get help, but that'll give you permission to leave early on the day of the lab. These labs constitute a good chunk of your mark, and they're also good practice for the quizzes, the midterm and the exam.

APS106: Fundamentals of Computer Programming

This programming course is a lot like APS105, except labs are simpler but must be completed in a 2-hour period. It goes over basic input output and manipulation of coding in C, as well as file IO. There's also a big project that is worth a significant amount of your grade. The best advice you can have for this course is practice until you get the hang of it. Also, there are a few "classic" questions that are usually asked, such as doing something with the digits of a number.

ECE101: Introduction to Electrical and Computer Engineering

If you picked ECE out of pure preference then you will enjoy this course. This course is designed to introduce you to the world of Electrical and Computer Engineering! Every week there will be a new speaker lecturing about the various careers the ECE program can offer. You will have to attend and pay attention to the lecture, as you will have to write an online quiz based on the lecture's topic. It is not difficult at all, however if needed, notes will help. Like most seminar courses,



lectures can be boring to amazingly omgwtfbq exciting (Rubik's cube solving robot anyone?). This course will be the single easiest course you will ever have so have fun. (While not recommended, if needed [and if you have friends.... Lol] you can skip the lecture to do other work/studies and get your answers from your friends. It may help.)

APS111: Engineering Strategies and Practices I

You'll hate it. You'll hate con hall. You may even want to vaporize members of your assigned team with your new found super powers. But this course is just as important as all the others. Yes, it will seem useless. Yes, it's boring as Aquaman. But you know what? You're an engineer now, and engineers don't just do math and science. This courses teaches you to BE an engineer. You'll be dealing with a fictional client and your mark will be largely dependent on your team work. Make sure you can work with your team. Team conflict is to your mark as kryptonite is to Superman. Make sure to pay attention in lectures (as hard as it is) as much as possible as hints on what markers want in a document are handed out there. Plus, 3% of the course is assigned to attendance which will be captured using an i-Clicker (that you can buy at the Discount Bookstore or U of T bookstore) that you will use to answer multiple choice questions.

APS112: Engineering Strategies and Practices II

This course is the continuation of APS111. However instead of working with an example case, you get an actual client and will be solving specific design problems. You will be assigned into your engineering design teams and a project manager. Communication with your client is key in this project or else you may end up with work that the client did not need in the first place! This course is not necessarily harder than APS111, despite the numerous documents as you may be stuck with a simple project. However if you end up with a difficult project then tough luck! The lectures are more interesting this time around, covering project management to detailed human factors with interesting examples. Oh and there is no exam for this course. However there are two quizzes in the midterm seasons and a final presentation after all exams are over. It is very important to keep your engineering notebook up to date, as well as archive any related documents to your project for later use. There is a final assignment at the end of the semester, reflecting upon your development over the year (you have to use your work as evidence!), as well as your practice in your notebook (Hint: don't do what I did and update it the night before). It is

also important to be on the good side in your Project Manager's books as he grades you according to his view of your contribution to the team. Accordingly, teamwork is a key element in success. And hey, if you've learn to manage things well in this project, you may very well be the next Lex Luther.

APS191: Introduction to Engineering

If you're reading this then you must've selected the best "discipline" there is – TrackOne! Congrats! However this luxury cannot last forever! You must pick a discipline at the end of the year (And trust me, there is no TrackTwo, myself and many others have tried hard). Unless you're Brainiac, you most likely do not know everything about what each discipline has to offer, and so you will learn quite a bit from this course (and enough to change your decision if you had any). While this seminar may sound like a total bore, fear not, it actually is interesting for the most part. You pass this course via attendance and accordingly. **YOU DO NOT WANT TO SKIP THIS** too much as Mother TrackOne will come after you. There are no evaluations in this course and your attendance will be tracked with the weekly survey which you must fill out. You need to complete majority of the surveys to guarantee yourself a passing "grade" in this course. Also in the later lectures, you get free chocolate for participating in the seminar!

CHE112: Physical Chemistry

Ah chemistry, yes it still exists in university (I know you were hoping!). This course will be built around the concept of no matter is created or destroyed! Not to mention two little things called Thermodynamics and Equilibrium. When it comes down to it, the Textbook and Tutorials are your BFFs. The textbook written by a previous professor will explain most concepts very thoroughly and provide and an excellent set of problems for you to do for each unit. The weekly tutorials provide a small class scenario for you to review problems set assigned for the week, **DO THE PROBLEM SETS BEFORE THE TUTORIAL**, thank me later. And make sure to talk to your TA to get help and advice, since the types of problems in many cases are limited, practicing and using the TA's advice will take you a long way in preparing for the test. Oh and one last piece of advice, do previous midterms and exams, let's just put it this way, there are only a handful of ways to heat a reactor in a temperature constant environment. While the course is tailor made for Chemical engineers, you Civil, Mineral and Materials engineering students have to take the course too! Yay! Try not to complain too much, you will learn some useful things. But if you end up with higher marks than the Chems, maybe you're in the wrong program?!!

CHE113: Concepts in Chemical Engineering

After completing first semester of Chemical Engineering you may be feeling pretty good about yourself, depending on how many courses you are repeating. Concepts of Chemical Engineering aims to provide an overview of the chemical engineering program. The course is divided into two separate modules, Chemical Industry and Energy and Environment. While the course is weighted more into the Industry module, each one presents its challenges. The course doesn't have a textbook (yet) so attending lectures is crucial as the posted slides alone will not get you very far. The mandatory weekly tutorial will provide a problem set relating to the lecture material for that week and there will be a quiz at the end. The tutorial is a great place to ask for help from the TAs or Prof and to work in groups to help each other. The lab session is another story, all those touchy feely happy moments from the lectures are gone and the true intimidation of first year engineering shows its face. Each lab session lasts around three hours and there is a pre-lab quiz before each lab. Study the provided material well for these quizzes as they do count for a decent amount of marks. While many labs are interesting and enjoyable the lab reports

are the nastiness I speak of. My advice for the labs, do them early and help each other (outside your lab group). There nothing like guesstimating data three hours before the report is due. Oh and get used to the Chem Eng Lab, you will be spending a lot of time there in the next four years.

ECE110: Electrical Fundamentals

This course is most likely what everyone in ECE (while not exclusive) was expecting: circuits. inductors, capacitors, volts, amperes and all those other terms belong in this course. However, it's not just circuits. This course is divided into two parts: Electromagnetic and Circuit Analysis. The former of the two you will be familiar with as chunk of it deals with electrostatics from your gr. 12 physics course. Most people tend to do badly on this part but fear not, as this is only the fraction of the course. However it'd be best if you understood this as well, so you will know how everything in the latter part of the course works, just like Dr. Manhattan! The latter, Circuit Analysis, is where it's at as the majority of the exam deals with it. Pay attention in class and it will be easy. There is also a lab section in this course, and you will deal with actual circuits! Labs are worth a hefty chunk of your grade (20% - 25%) and are usually a giveaway. HOWEVER BE CAREFUL WHERE YOU SIT AS YOU WILL BE STUCK WITH A TA IN CHARGE OF THAT SECTION UNTIL THE REST OF THE SEMESTER. MOST TAs WILL ALWAYS GIVE YOU 100%. HOWEVER THERE ARE ALWAYS ONE OR TWO THAT WILL ALWAYS GRADE HARSHLY AND WILL NOT GIVE YOU EASY 100% LIKE EVERYONE ELSE (I warned you!). Tutorials for this course are a hit or miss depending on the TA, and if you're doing well in this course you will not need it. However some TAs are excellent helpers and hence your tutorial will be quite valuable.

MAT186: Calculus I

This calculus is tailored for the non ECE/TrackOne students and is considered the "easy" calculus. It essentially starts with review of trig and all its delicacies (identities and such) and will then move on to cram all the calc you learned in high school in a matter of month and a half or so. After this point you start integration and will integrate until the end of the course! But no worries, it's not bad for the most part. The key to success in calc (well, pretty much EVERY course) is to do ALL YOUR HOMEWORK and PROBLEM SETS - Even better, do EVERY SINGLE QUESTION YOU HAVE ANSWERS TO. It is best to get all the concepts down now as it will be used constantly next semester in Calc II. There will be quizzes/problem sets in your tutorial so it's required for you to attend to get those easy marks. Also it is interesting to note that last year's midterm (0T8-0T9) was an identical copy to the previous year's midterm just different numbers. With that said, midterms and exams should not be difficult. If all else, just be thankful you do not have the other calculus.

MAT187: Calculus II

If you managed to make it this far then this is where the real calc begins! Remember when I said you will be using integration constantly? Calc II starts with techniques of integration (old and new) and it's essential you understand and know how to use every single one. Then it moves on to differential equations, polar coordinates, sequences and series, and maybe multi-variable calculus. There is a big difference in pace in comparison to Calc I so it's important you keep up with the lectures and homework if you want to succeed. And since nothing is review this time, it's more so important for you to attempt (and solve, duh) EVERY SINGLE QUESTION YOU HAVE ANSWERS TO. Tutorials will not have quizzes and such, and will thus be optional. However if you're confused like the majority of us, it's essential to attend everything you can. The midterm for this course will be moderately difficult, as will the exams.

Past exams and midterms will be really helpful for studies and the format and questions rarely change. If you're ever feeling confused and hopeless, don't worry, everyone is. Just be thankful that you are not taking MAT197.

MAT188: Linear Algebra

Hopefully you've done some vectors and use of matrices in your high school as it's the basis of this course. You're probably thinking it won't be too difficult because it's just another math, amirite? Well you're partly correct as it's not too difficult, however unlike calculus, linear algebra (or "lingeбра" like some of us like to call it) is a lot more theoretical than calculus, and will involve thorough use of theorems (as it's full of them) for proofs. Yes proofs, your dreaded nightmare. Memorization of all these theorems and lemmas will be essential to your success. This course will teach you how to calculate the product, determinant, and inverses of a matrix, and will also cover eigenvalues and eigenvectors. And nearing the end of the course, you will also be reintroduced to your best friend, vector geometry and all its relatives, on steroids. The final topics of this course are EXTREMELY ABSTRACT and will require you to use your head to really understand what's going on. And as always, keeping on top of homework is important. The tutorials of this course contribute to your mark via weekly problem sets and are usually easy, so don't skip them! Finally since this course is taken by every single first year engineering students (minus EngSci, those silly kids) you might want to purchase the text as soon as you can! And trust me, you don't want to fall behind in this course, as everything relates. Oh and a final note, if professor M. Pugh (female) is one of the lecturers for this course, attend her lectures any way possible. You will not regret it.

MAT196: Calculus A

Oh glorious MAT196, calculus for the ECE/TrackOne students... While it's not too different from Calc I, the midterms and exams were known to be more difficult. Calc A begins with basic trig to trig identities and you will bump across something called the Delta Epsilon. It essentially is a very annoying step by step approach to proving your basic limits such as limit of x as x approaches 0. I once asked our TA in tutorial to explain this in English, and after 1 hour none of us understood it, we were more confused, if anything. Afterwards, it goes over your high school calculus then moves onto integrals. As always, homework is of great importance. Memorization skills and mental calculation skills are extremely important in this course as there are no calculators. Oh my lord! Math without calculators? Lolwut? Sadly it's true, and get used to it as MAT197 doesn't use one and it is no push over. Despite this, midterms are fairly difficult, with the exams being somewhat easy. If you still have Shai Cohen as your course coordinator, expect things to be bumpy along the way.

MAT197: Calculus B

So you just finished Calc A and wanted some break from math. Unfortunately, there's Calc B. Calc B picks up right where Calc A left off and keeps on integrating with new techniques. Following that will be polar coordinates, sequences and series and the very misleading vector calculus (Hint: It's not hard!). Unlike Calc A, many of the concepts do not relate and thus you will have to cram all these concepts and theorems in. To top it off, the no calculator rule from Calc A still applies. The tutorial sections will have weekly quizzes which will have little effect to your mark but for this course everything will help. The midterms will be quite difficult and will require lots and lots of studying! The exams however will not be too difficult as it usually depends on the average of the midterms (if it's around 60% then expect an

easy exam.) and will usually be followed by an insane bellcurve. Although this has been said multiple times all over this anti-calendar, I cannot stress enough about keeping up with homework and studying hard if you want to do well! Or just do poorly, your choice. If Shai Cohen is still the course coordinator, BEST OF LUCK. note, if professor M. Pugh (female) is one of the lecturers for this course, attend her lectures any way possible. You will not regret it.

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BEST OF LUCK.

MIE191: Introduction to Mechanical and Industrial Engineering

For the Mech and Indy students, this will possibly be the easiest thing you'll be doing all year long: sitting and listening. This course, like many other seminar courses, tells you about the different fields of careers possible with a mechanical or industrial engineering degree. No homework, and only one hour long weekly lecture. Attendance is taken so do not skip more than 3 lectures or have fun sitting through another weekly seminar course next year. Also, there is a quiz taken on the last lecture involving simple questions from some of the lectures. Basically, listen if you're interested, or catch up on all that precious sleep you've missed.

CIV100: Mechanics

Oh, CIV, where things don't move and exams are similar every year. Seem easy? Don't be fooled. This is not the kind of physics you are used to. The entire course revolves around the assumption that the sum of all forces and moments are equal to zero. You'll learn to solve for the forces in things from trusses to pulleys. The material is manageable, and the concepts are not too difficult to grasp, but the tricks lie in the questions; which require a little thought and a lot of practice to wrap your head around. Also, make sure you know what different supports imply (ex. Pin vs. roller). Oh and make friends with anyone in one of JZs (Pronounced: Jay-Zed) sections.

MIE100: Dynamics

High school physics a cakewalk? Well Dynamics is a whole new world. Yes F is still equal to ma , but that sacred equation extends farther than you've ever imagined. Up until after the midterm this course will seem pretty easy. But... IT'S A TRAP!

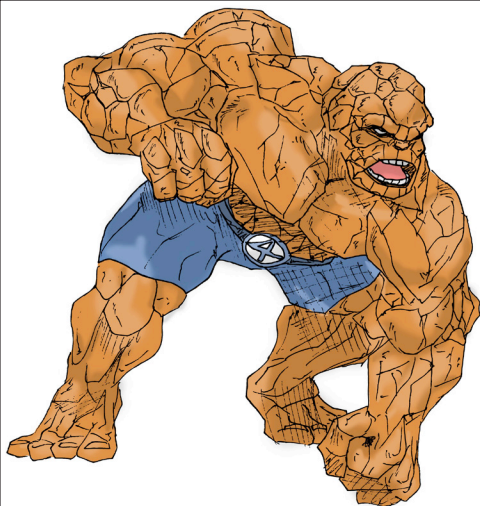
Rigid bodies are MUCH harder to grasp than the particle physics you are used to. The key to doing well is to get your marks in the particle physics portion while you still can. Also, rigid bodies are not impossible...with copious amounts of practice. So do those problem sets!

MSE101: Applied Science: Materials

AHHHH THE GOGGLES THEY DO NOTHING!!! Well nothing to protect you from the onslaught of villainous, time consuming labs. The good news? They aren't particularly hard. Aside from the labs the material is a mix of memorization, math, and 3D visual thinking. You'll learn about molecular crystal structure, defects and strengthening of materials. Manageable? Yes. But it's best to stay caught up. The final varies in difficulty, as a rule of thumb if the course seems easy before the final it won't be the same after it.

MIN185: Earth Systems Engineering

Rocks, looking at rocks, labs with rocks, licking rocks in labs with rocks. If you are one of those 15 people in mineral this is YOUR course. If you are in CIV....well you have to take it anyway. Why, you ask? Well the answer is quite simple...15 person classes can't happen in first year. Who knows....maybe you'll suddenly become interested in the wonderful world of rocks. And don't worry Superman... none of the rocks are kryptonite.



ENGSCI ANTI-CALENDAR

BME105: Systems Biology

Systems Biology is the closest thing to a bird course you get in Engsci. A very large amount of material is covered over the course, generally nearly all of grade 12 bio but with certain parts in more depth. However, quiz and examination material are mostly based either directly on the notes or on small facts from the notes. Doing grade 12 biology can be useful, but starting last year the course was made open book, so it is substantially easier for people unfamiliar with the material. There are quizzes every week, but often times just going to lecture and reading the lecture notes before the quiz are enough to do fairly well. There are also two assignments, be sure to double check your answers with many friends before handing it in, there are few marks for careless mistakes. In engsci you will quickly find that no matter how much time you set aside for work, you will always have more to do so you must choose carefully. Studying in this course can only help so much, parcel your time wisely. Course time is usually spent not going; about 60% of the class doesn't attend most lectures, lecture slides are posted online and cover most of the material, however there may be important notes mentioned in lecture that you might miss, especially if you haven't taken biology before. You must go to the tutorial though because of the quiz. There is also a lab component to this course, however, it is not very difficult and takes little or no preparation since your TA will guide you through most of it. Be sure to keep a lab notebook and take notes since that can often help when writing up your final lab report.

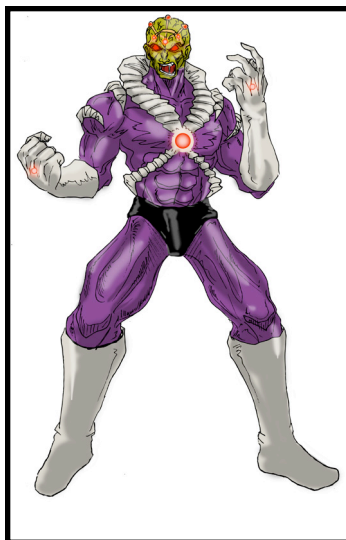
CHE119: Thermodynamics

Beware of this course, it will start off easy with some simple problem sets involving ideal gases. Don't start slacking off because of the easy beginning! It's just to lure you into a sense of peace and then it will quickly strike with multiple derivations of seemingly easy formulae just because they enjoy confusing you. And that's not all, it then leads to steam cycles and "un ideal" gases. Lecture time is commonly used for attempting to understand and banging head against textbook.

CIV102: Structures and Materials

This is your "engineering course" for first semester, and in all honesty, is probably the most interesting course you'll take this semester. There is no textbook for this course so going to all the lectures is critical (or make friends with someone who goes to all the lectures who takes really good notes, either way works*). There is a consolation prize for going to all the lectures though; Professor Collins is probably one of the best profs you will have all year. Be ready to furiously scribble down notes during lecture.

*(or I could tell you everything you need to know: 1) $F=ma$
2) You can't push on a rope 3) To find the answer, you must know the answer. You can thank me later.)



CSC190: Algorithms and Data Structures

This course is actually two; CSC190 is the follow-up course to CSC180. Whereas CSC180 was concerned mainly with learning syntax and writing programs, CSC190 focuses mostly on algorithms and abstract data types such as linked lists, stacks, queues and trees. Material is covered quickly and in far more depth than pretty much all other undergraduate computer science courses. It's important to decide exactly how much time you're willing to commit to assignments. Assignments can often take around 5-10 hours to complete and must be tested rigorously on the linux computer labs. However, marking is an all-or-nothing situation, if your program does not compile or work properly, there are very few marks devoted for your code itself. It was quite common for the majority of the class to simply fill a program with comments about how they would have done the program and hand it in to at least get the 30% for documentation. The class average before the exam may very well be in the 50's, which can be good, everyone is assured a bump-up so that the average afterwards will be around 75%. The exams are far less about writing functions and more about planning out programs and algorithms which can be easier or harder than CSC180 depending on the type of person you are.

CSC192: Computer Programming, Algorithms, Data Structures and Languages

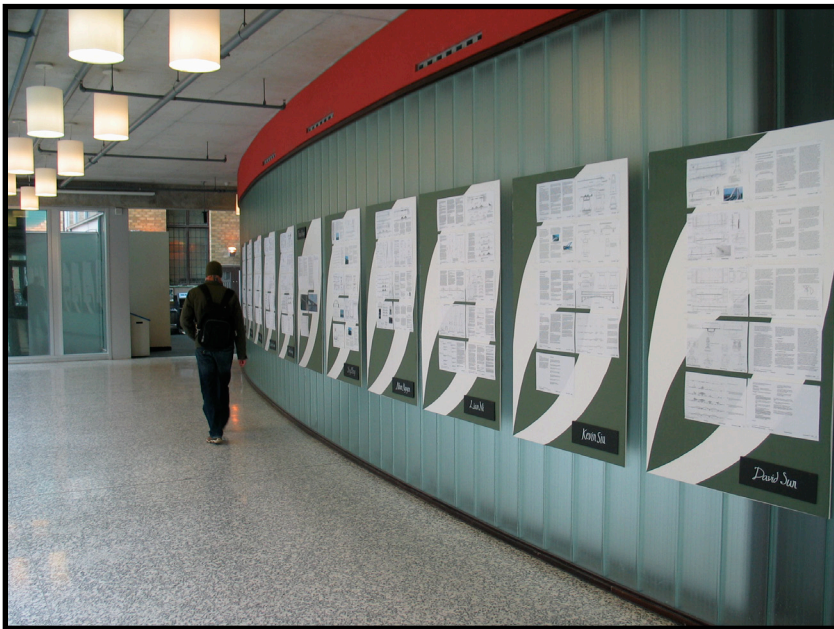
Remember that computers course you took in 11th grade? It qualifies you to get into the 'accelerated' computer science course here. Prepare yourself for classmates who read book on compilers for fun, and who learned bash commands before english. Not everyone shows up to lecture, so expect to see triple the number of students you thought were in your class writing the midterm/exam. The assignments can be difficult so don't be too cocky to show up to tutorial. The TAs are lonely and will spell out what you have to do to write your program, if you care to show up. The midterm average is a fail, and your programs probably won't compile the way you thought they would, so watch in amazement as your failing marks translate into something 20% higher than what you ever thought you'd get. Then you get to rub your inflated mark and ridiculously easy arts/sci elective in the face of those stupid CSC190 people second semester. Life is good.

ECE159: Fundamentals of Electric Circuits

Because allowing you to pass every course would not be in the spirit of NΨ, ECE159 was created. Topics include Kirchoff's laws, Thevenin and Norton equivalent circuits, source transformations, first and second order circuits, phasors, coupled inductors, op-amps, and multiphase AC. While Prof. Iravani's accent is admittedly cool, this course is easily the most difficult of the spring term. Term test and exam questions are substantially more difficult than any of the assigned textbook questions, and will always combine multiple concepts. The marking scheme is not very generous if you don't have the correct answer, and there will often be multiple questions based on your answer to another question. Get the first part wrong and you've just failed. Much like calculus, this course is all about practise. Unlike calculus, the lectures are not directly from the textbook, so skipping class is not advisable. Tutorials will range from useless to epiphany-inducing depending your TA. If you fall behind you will find it very difficult to catch up, and if you only do a few practise problems you will find yourself wondering where to start on the term tests. Practise, practise, practise, and hope for the best. In summary, "abandon all hope, ye who enter here."

ESC101: Praxis I

Praxis is the course in engineering design and communication that has been specially... engineered... for engineering science students. Almost half of your Praxis grade is determined by your laboratory work, while most of your mark is determined by the more design focused part of the course. The design part of the course gives the class a common design goal and guides you through a design process which is completed individually. It is essential to learn to love bridges, at least temporarily, in order to enjoy this course. It is also essential to develop the patience needed to use the required software. Tutorials are mandatory in order to complete design exercises, most of which build on those previous. You will learn to appreciate sound reference designs, learn to understand that symmetry is not always the right answer, and learn to adequately support your arguments when writing.

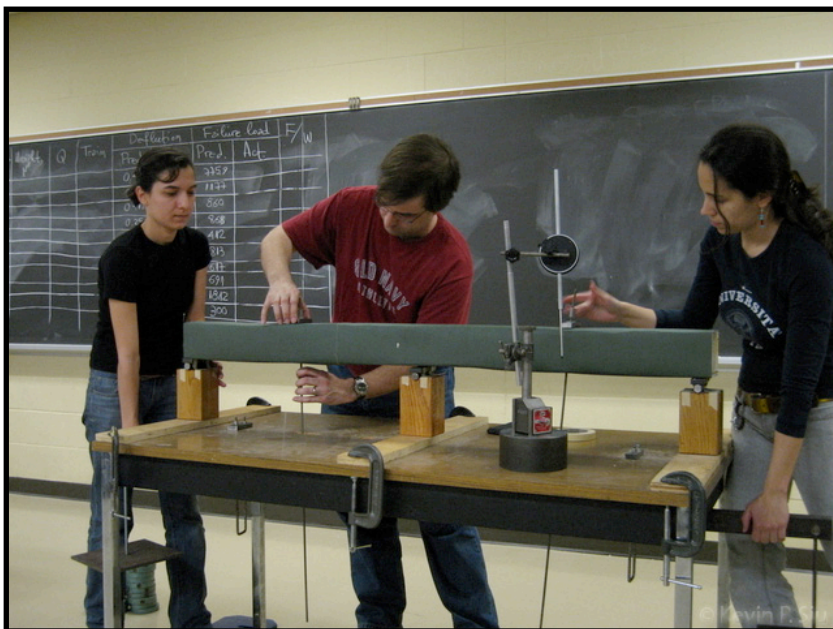


ESC102: Praxis II

Unlike Praxis I which is about learning how to make arguments and write technical documents, Praxis II is essentially a design course. It consists of finding a problem (for the past three years it has been in the TTC), writing a request for a proposal of a solution the problem, and then creating a solution to one of the problems your classmates proposed and creating a poster and brochure for your solution. It culminates with the Praxis Showcase where you present your solution in an exhibit that is open to the public, it is attended by some people of importance from around the city such as the TTC commissioner as well as newspaper and TV crews. Last year's showcase was covered on CTV. The key to doing well in Praxis is to think about the decisions you make, as long as you've shown that you've thought about the other options the TA's will be happy. The best way to do this is to go to the tutorial every week and discuss your solution with your TA, much better to get drilled during tutorial than when you're getting marked. As part of the course you are required to keep a journal or blog about your evolution as an engineer and how you think about engineering design. Update it regularly, it's an easy way to gain marks.

MAT185: Linear Algebra

MAT185 develops the concepts of abstract vector spaces, matrices, determinants, eigenvalues, and systems of differential equations. If you've ever wondered why $a + b = b + a$, then this is the course for you. There are excellent course notes posted online, so attendance is not necessary if you feel confident about the material. Tutorial attendance is not necessary unless you need extra help. While MAT185 is probably the most abstract course in first year, it is also the most straight-forward. Enjoy this course's light workload, but pay attention because the material will return in second year.



MAT190: Matrix and Vector Algebra

This is the first of two quarter courses in which you are enrolled. It is basically a review of linear algebra, with maybe some new stuff. It's intended to even out the knowledge field and ensure everyone is on the same level. You likely will not come to consider the Nicholson textbook as one of your very best friends, but hang on to it as you'll need it for the second term. On the other hand, you will have a love-hate relationship with the weekly Lyryx labs, which are completed online and on your own time. The love comes from the opportunity to achieve perfection; the hate stems from all those little mistakes that may not let you near perfection... that said, they are pretty easy.

MAT194/195: Calculus I & II

This course covers the fundamental concepts of calculus: limits, differentiation, and integration. The topics themselves will be mostly familiar to you from Grade 12, but they will be covered in greater depth and with much more rigour. You will come to recognize "rigorous logic" as a core NP value and will often find yourself asking "... but is it rigorous?" in other contexts. As Prof. Stangeby says, as one of the sharpest minds of your generation, you have been chosen to be a guardian of the essential but utterly useless knowledge that is ϵ - δ (epsilon-delta). Calculus II continues and extends the content of Calculus I. Topics include first and second order differential equations, techniques of integration, sequences, se-

ries, and of course multivariable calculus. The ϵ - δ concept returns as ϵ - N and the multivariable ϵ - δ will stretch your mind. The concept of the power series expansion of a function will finally demystify functions such as the exponential, natural logarithm, and the trig functions. Make sure you keep up with the work throughout the term, because there is no substitute for many hours spent practising integration.

PHY180: Classical Mechanics

Mechanics is a stimulation physics course which will help (force) you to understand the elusive concept of rolling without slipping, face your fear of bowling balls, and teach you more about motion and the basics of physics. Demonstrations during lectures will keep you focused (and entertained) while you attempt to keep up with the many derivations and equations that tend to suddenly accumulate on the blackboard. The textbook is decent, but you will also be very greatly helped by finding a good group of friends/a study group to collaborate with to complete the challenging problem sets. Your mark depends on the problem sets, two midterms, and the final exam. There is also a laboratory component relating to this course, but the grades from this component only count towards your Praxis course.

PHY190: Special Relativity

Relativity is a treat - how many first years have the opportunity (i.e. are required) to take a course (albeit a quarter course) in this area? The lectures follow the textbook very closely and the course is, overall, quite reasonable. Problem sets pop up yet again and it is advisable to do them as well as practice past tests in preparation for the midterm and the final. The principle of relativity, time dilation, length contraction, space-time diagrams and everyone's favourite paradoxes are all in store.

Free Elective

So you've taken CSC192, and in the process earned yourself a unique privilege among first year engineering students: a free elective. You have the option of taking one of the electives offered by the engineering faculty or taking an arts & science course. Peruse both course calendars to see what interests you, but keep in mind that your core timetable will limit your choices severely. You will be able to enrol in engineering electives as soon as your timetable becomes available on ROSI in August, and a few weeks later for A&S electives. Although many popular first-year A&S courses will be full by the time they become available to you, and many others will conflict with your timetable, don't give up hope. The pitiful artsies drop courses all the time, so being on a waitlist isn't the end of the world. Sign up early (preferably the first possible day) and by the time the spring session rolls around you have a good chance of getting in. Prerequisites such as "one full credit in arts & science" can be waived, just ask the course coordinator.

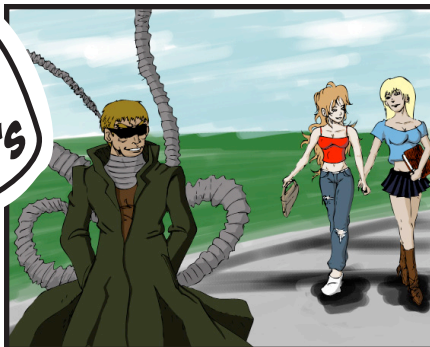
And yes, AST121 is as easy as everyone says it is.

T-PROGRAM



OH NO!
IT'S THE
ARTSCI'S

HAVING FINISHED THEIR TRAINING, OUR HEROES EXITED THE CAVE. SUDDENLY...



BUT IT WAS TOO LATE...



So you couldn't get the hang of flying or lifting heavy objects with one hand well looks like you're going to start the year all over again as a sidekick this time. Thankfully, U of T doesn't send first years to their ropes as a sidekick anymore. There are 4 main categories your average can fall into:

- $\geq 60\%$ (averaged for both semesters) means you're good to go into second year with a clean record
- $\geq 55\%$ and $< 60\%$ means you only have to repeat the courses you've failed (courses which are $< 50\%$) and that you're on Academic Probation (explained below)
- $\geq 45\%$ and $< 55\%$ means you're eligible for the T-Program (explained further below) so you're going to have to retake the courses that you've received your 3 lowest marks in, whether you passed it or not, and you're on Academic Probation
- $< 45\%$ means you have to take a leave of absence from school for a few months or that you'll redo first year

Academic Probation

This means that you're almost getting kicked out of superhero academy for a year. If your average is < 60 again well they give you a year to let you ponder what went wrong. Taking time off takes a lot of guts and effort. To get rid of this, you need to have two consecutive > 70 average semesters or one semester with 80 and above average. (Only count semesters with a five course load will count).

T-Program Basics

The T-Program lets you retake courses you did not do so well in during the regular academic year and lets you catch up with the rest of your eye beam shooting, high flying super hero/heroine buddies. They take a two month chunk out of your summer holidays (May and June). Beware...full course + two months (instead of 4) = massive cram.

ACADEMICS

WITH A FLASH OF LIGHT... SUDS MAN APPEARED!



**HE THREW A DRINK TO DR.
OCTOPUS... GIVING HIM THE
STRENGTH TO PULL HIMSELF OUT.**

**SUDS MAN WANTS
YOU TO COME TO
SUDS, YOUR FRIENDLY
NEIGHBOURHOOD PUB.**

**OPEN EVERY FRIDAY AND ALL OF F!ROSH
WEEK**

HEROES AT

SKULE™



**LOOK! WE'RE HERE...
WE'RE AT SKULE™**

LET'S LOOK FOR THE HARDHAT.



TO BE CONTINUED...

**MESSAGE FROM THE
PRESIDENT****JIMMY LU**

Not too long ago I was in a very similar situation as you. I chose U of T Engineering and was waiting for University to begin. It was in August when I received my Flrosh Handbook and although it told me me over and over again what Skule™ was I never really thought about it much. However, receiving the book, seeing the pictures and reading through this amazing collection of wisdom and knowledge told me that Skule™ was going to be amazing. Since then, I've gone through the amazing transformation you go through in university. You don't just learn about the stuff they teach you in classrooms. You learn how to learn, you develop yourself personally and the fundamental things about you are altered. It is the single most amazing change I have experienced so far.

The thing that causes such an amazing change here at U of T Engineering is Skule™. Skule™ is the community, the feeling, the culture, the spirit of Engineering at the University of Toronto. It encompasses your entire experience here and has its roots deep within a distinguished history. It is the Engineering Society, the Sandford Fleming Atrium, the peers you will soon have, the place you will soon belong, the smell of the Mighty Skule™ Cannon's smoke, the sound of the Lady Godiva Memorial Bnad's songs, and the illusion of the BFC's antics.

It is an amazing experience and everything here is waiting for someone and that someone is you. Skule™ is yours for the taking, to shape and mould into whatever you want. You could leave it untouched or take it into your own hands and create a masterpiece. You have at least four years to do what you will but I guarantee that the moment you get a taste of Skule™, you will not want to stop.

My single goal here is to allow you to realize the full potential of yourself and Skule™. As first years, everyone looks to you for as an indication of the level of spirit here at Skule™. I challenge you to show us, show yourself, show the Faculty and show U of T what Skule™ really can do.

Jimmy Lu

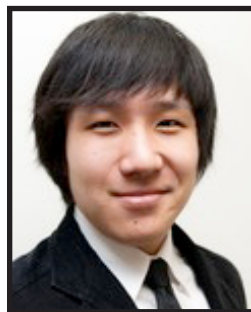
President of the Engineering Society



MESSAGES FROM THE OFFICERS

VP STUDENT LIFE- WAYNE LIN

Welcome F!rosh of 1T3 to this oasis within a turbulent world we like to call Skule. In the coming four years, you will experience a place like n o n e other, a time like nothing before and a life which can seem like both heaven and hell. As your Vice President of Student Life, I am here to impart on to you one piece of advice before your journey starts: University life, that is, student life, is your own. It is yours to command and yours to enjoy. As you are the unconquered new citizens of Skule, dedicate this poem, titled Invictus by William Ernest Henley to you, I hope you enjoy.



Wayne Lin

Out of the night that covers me,
Black as the Pit from pole to pole,
I thank whatever gods may be
For my unconquerable soul.

In the fell clutch of circumstance
I have not winced nor cried aloud.
Under the bludgeonings of chance
My head is bloody, but unbowed.

Beyond this place of wrath and tears
Looms but the Horror of the shade,
And yet the menace of the years
Finds, and shall find, me unafraid.

It matters not how strait the gate,
How charged with punishments the scroll,
I am the master of my fate:
I am the captain of my soul.

VP COMMUNICATIONS - AMANDA BELL



Do not fear, your VP Comm is here! Blessed with the supreme knowledge of everything EngSoc, my sworn duty over the next year is to keep you informed of the many things going on around you at Skule(TM)! This includes upcoming events, volunteer and job opportunities, EngSoc meetings, and so much more. But most importantly, I know the best ways to get involved in Skule Life, whether you're an artist, writer, budding politician, or just want to meet some people who like chicken wings as much as you do.

So, if you have any questions about your Skule, send me an e-mail at vpcomm@skule.ca. Trust me, I've got the answers.

VP FINANCE - KYLE DUPONT

Congratulations on getting into one of the top undergraduate programs in Canada! You are at the beginning of a new chapter in your life and are starting down a very exciting path. As you become part of our community, you'll probably see me around the SF Atrium, which is a place you'll come to know. My main function within the Engineering Society is to manage the budget, comprised of revenues, expenses, assets and donations to anything engineering; and a lot of this money comes from your student fees! So don't be afraid to stop me and ask questions, or better yet; don't be afraid to get involved, especially if you like money.



The one thing I regret about Skule™ is not getting involved soon enough. So I can't stress how much there is to gain from getting involved in all parts of University outside of the classroom; it's all part of the experience. From Frosh week to dinner dances, from design clubs to social clubs there's something to suit almost everyone's interest, and if there isn't something for you, start it yourself!

So welcome to our community and remember that there's an opportunity around every corner. Good luck on your inaugural year at Skule™!



VP ACADEMICS - DAVID CHEUNG

Hello, my name is David Cheung and you are? Frosh, right... Well, nice to meet you (hopefully I'll actually get to meet and work with you in the upcoming year.) Not to sound old, but I remember back when I was a Frosh. It was a tough year. Getting involved made it much more enjoyable, but what one of the Engineering Career Center Counsellors recently told me was true: "You didn't come here to be a VP of the Engineering Society; you came here to get an Engineering Degree". And really, that goes for all the other 4000 Engineering Students at U

of T as well.

As Vice-President Academic, it is my responsibility to represent each of you to the faculty on academic and professional development issues and to promote, operate and improve academic services the Engineering Society provides to you. In other words, it is my job to make sure you get the best out of your education and to help fulfill everyone's main goal of coming here to the University of Toronto.

Like I said, your first year in Engineering will be difficult, because you're not only learning the fundamentals of Engineering, but also learning how to adapt to University life. Getting to know your resources will be useful. I am one of these resources and if you need my help or have any questions, feel free to e-mail me (anytime, even now, I'm serious, try it, I dare you) at vpacademic@skule.ca or feel free to drop by the Engineering Society Office.

Best of Luck and I hope to see you all at Frosh Week!



VP EXTERNAL - ABISHEK MAHIR

Hello dear F!roshies! Now that you have graduated high school, it's time for you to step your game up and breeze through University of Toronto Engineering (I lied, breezing through UofT engineering is impossible). Firstly, I'd like to congratulate all of you for being accepted to the #1 ranked University AND Engineering School in Canada. It takes a lot to get here, but to get out of here successfully it will take twice as much work and effort.

F!rosh, I know, coming into first year is quite nerve wrecking. You would want to be focused on your academics primarily, but I can't emphasize this enough: **GET INVOLVED**. If you're involved with SKULE, it makes your school life just that much more fun. You get to meet other F!rosh and senior students. You will be learning while having a great time, basically you would want to be at Skule. I am not telling you to join every single committee, (although you'd be able to meet a lot of different people!), I'm just telling you to enjoy your time at University of Toronto. It will all be worth it at the end.

Just a quick note about myself: I, as a VP External, am the liaison between the Engineering Society and external organizations (ex. Engineering Student Societies' Council of Ontario, Canadian Federation of Engineering Students, Professional Engineers Organization, Ontario Society of Professional Engineers etc.) and attend these conferences whenever they happen. Relating this back to you, there is a conference held especially for first year engineers which is held in the second semester. If you want to attend this conference OR want to get to know more about external relations OR just wanna hang out and have a great time ... ladies ;) **HOLLA!** vpexternal@skule.ca

Enjoy.

BLUE AND GOLD COMMITTEE

Some superheroes are born great; some achieve greatness; and others, such as Blue & Gold Committee members, have all the greatness of SKULE™ SPIRIT thrust upon them! Our duty is to uphold SKULE™ spirit and fight boredom with our superawesometastic events!

Blue & Gold is known as the super powered – extreme building – movie watching – bed racing – (mystery) bus tripping – bar hopping – BEvERage consuming – BBQing – Homecoming float construct-ing – Godiva Weeking – SKULE™ spiriting committee led by two fearless leaders.

When we're not walking on water, we spend our time running the most fun-filled, eventful, blissful, delightful, gleeful, joyful, masterful, powerful, spirited, skilful, successful, wonderful, adventureful events in SKULE™!

In the Fall, we use our powers to build a winning Homecoming Parade float and host fantastic events like the BLUE AND GOLD MOVIE NIGHT and BLUE AND GOLD BED RACE (a race, on a bed, against the Artscis) during FIROSH WEEK. At our events there will be less fooling around and more productivity, lots of awesome people to meet, then less productivity and more fooling around, and of course lots of FUN THINGS TO DO!

Also, we've noticed that the word "radicoolawesomesauctic" is thrown around a lot these days, and its usage is rarely justified. The events that we plan during the Winter term are perfect examples of this adjective. Godiva Week (basically Frosh Week: the sequel) not only blow your mind, but knock your socks right off. It is the celebration of Godiva's legacy and sacrifice, and the solemnity and skill required of Engineers. Naturally this means another week of partying and fun events! This week sees a lot of pants dropping in the Mr. Blue & Gold Competition, talented ladies in the Godiva's Crown Competition and the infamous Ye Grande Olde Chariot Race, wherein every discipline (plus the F!rosh) construct a chariot and race it in a massive, full contact, uncontrollable explosion of Skule Spirit (and snow/mud, weather permitting).

We also sprinkle in some mystery bus trips (which have been to other universities to party left, right and centre), tobogging (tobogganing with some added kick), and MANY MORE awesome events!

Joining the committee requires little no formal commitment, skill or sobriety. If you enjoy learning to (mis)use power tools, the odd social BEvERage, building things out of the finest cheapest materials, inventing words like nobody's business and saving humanity from those nasty unsprited Artscis, or because you simply like the colours, then consider yourself part of the Blue and Gold Committee adventures... after you join the mailing list at <http://blueandgold.skule.ca> or email us directly at blueandgold@skule.ca!

Now UP, UP and AWAY...it's clobbering time.

Kathy Grycko (CIV 1T0) & Kevin P Siu (ENGSCI INFRA 1T0 + PEY)

BLUE & GOLD CHAIRS 2009-2010

GODIVA WEEK

With F!rosh week coming up, we have to mention its follow up adventure: GODIVA WEEK. This is like F!rosh week but bigger, better and colder. It all begins in the first week back for second semester and involves more fun than you could possibly imagine; exaggeration? We beg to differ! It all starts with readings from the sacred book of Calculost and takes off from there.

One of the most gruelling, toughest, meanest, awesomest stops is the Ye Grande Olde Chariot Race, in which all disciplines and F!rosh (on their own) race in a battle to the death for eternal glory. By death, we mean not death, however, you should be warned that although you get your own amazing team, your chances of winning are equal to zero, but the chances of having the most fun that snow and racing can offer equal to 99.99%. We assure you, this has been calculated.

Also occurring during this week are the most amazing wit-displaying, gut-wrenching, over the top competition, known as Mr. Blue and Gold and Godiva's Crown. "Unbribeable" judges will be in charge of choosing the best acts of these oh-so sought after titles; although you are not eligible for 1st prize, F!rosh are highly encouraged to participate.

But enough talk about the events you will absolutely enjoy but not be able to win, let's talk about the ones you will definitely be able to win. Calculost, a test of wit and skill; Hardhat Decorating Competition, exactly what it sounds like; and the most important event, Ultimate F!rosh, in which the F!rosh that survives the most gruelling rounds will be crowned the Ultimate F!rosh.

One of the most important stops on this trip will be what has become an annual tradition during this week, which is the Village Pub Crawl. An amazing event in which engineers of all genders and sexualities will go on a long tour of the hottest pubs at the heart of Church Street Village.

At the end of the week and after a grand ceremony to close with a bang, Godiva Week will come to an end, but will continue with the funnest parties and keggers. To officially end this glorious week on the highest of notes, there is the Annual Engineering Semi-formal, also known as the Cannonball where we can all dance off the hangovers from the week and enjoy a wonderful evening.

Brace yourselves and buckle up; it will be a bumpy ride.



THE CANNON

Do you know your ABC's? Can you put two and two together to get twenty-two? Do you have the tiniest smidgen of Skule spirit? If you answered yes to any of those questions – The Cannon is looking for you!

Now that you've made the right choice of coming to U of T's prestigious Engineering school, take this opportunity to make your mark! Break the stereotype – get involved with the Cannon and show the world that engineers can do a lot more than just Math.

The Cannon – the official Skule newspaper since 1978 is a monthly publication that serves as the voice of the student body. From restaurant and gadget reviews to comic strips and Skule news – the Cannon does it all! Awarded publication of the year for two years in a row, the Cannon has given engineering students a chance to express their views for over 30 years.

If you're worried about time commitment – fear not! All you have to do is type something up and email it in. It really is that simple. If you have an idea that you think will be fantastical for the newspaper but can't seem to word it, send it in. We'll take care of the rest. Alternatively, if you feel like you want to write but can't come up with an idea – drop me an email and I will take it upon myself to make sure you always have plenty of those around in your Inbox when you need them.

Writing isn't the only thing this newspaper is about – if you're interested in editing, layout, PhotoShop, making your own comic strips – you can be a part of the Cannon too. Get involved in the production of the paper and spice up your resume!

For 0T9- 1T0, the Cannon is hoping to increase its readership beyond the vast bounds of the engineering community by seeking fresh talent. F!rosh of 1T3, that means you! Don't shy away thinking your ideas too silly. Here at Skule, there's no such thing as a silly idea!

Get creative, get writing, get involved! But most importantly have fun. These are the days Mary Hopkin sang about – so make sure you make the most of 'em!

Huda Idrees

The Cannon Editor-in-Chief 0T9-1T0





The Toike Oike

THE UNIVERSITY OF TORONTO'S HUMOUR NEWSPAPER SINCE 1911

Are you always the life of the party? Are you talented in writing humour articles or creating mildly obscene pictures in photoshop? Are you always ready to follow up a serious conversation with a well-placed joke about male genitalia? Are you extremely good at MatLab but think your skills would be better used working on UofT's number one humour newspaper? Then the Toike Oike is for you...

The Toike is UofT's most widely distributed humour newspapers and a large part of Skule Life. Created by a misfit group of not ready for prime-time writers in the bowels of Sandford Fleming, The Toike is distributed to the masses on a monthly basis. With a readership area greater than that of The New York Times (*actual area might not be as large as advertised), the Toike is quickly picked up by any student fortunate enough to grab a copy. Upon receiving an issue of the newspaper, students begin the tradition of reading, laughing, and soiling themselves before rubbing the back page all over the face of an unsuspecting bystander. This is all part of the tradition of the Toike Oike; a tradition that is as mysterious and complicated as the pronunciation of the name itself (for you f!rosh it is properly pronounced as toy-kee-oyk).

Now that you know some of what this paper is about, feel free to come out to a content meeting or submit an article. We are always willing to take new ideas, articles, or any type of humorous content and incorporate it into one of our issues. If you don't feel comfortable writing an article, you can help in creating graphics or designing layout. If creativity isn't your thing, you can still be used to distribute issues across campus. Whatever your flavour, the Toike can use you.

Join the Toike's team of miscreants and be a part of the one paper that brings comfort, humour and sanity to Canada's hardest working engineers. Come and be a part of a tradition dating back to 1911 and Join the Toike Oike.

I Hope to see you around as a part of the Toike Oike next year,

-Tom Parker
Predator in Chief
0T9 -1T0

Do you have a knack for computer graphics design, layout design, photography, or would just like to get involved with Skule™ then Skulebook is the place for you!

In a short sentence, Skulebook is the engineering yearbook that portrays what events happen during the year.

It is created by the students, for the students. We use tools such as Adobe Photoshop, InDesign, and Illustrator. If you aren't comfortable with Adobe software, FREE tutorials will be provided throughout first semester. Feel free to email me at the address listed below. The first general Skulebook meeting will be in September, so keep your heads up and get ready for an awesome year!

Charles Huang, Skulebook Editor 1T0, Electrical Engineering 1T1

SKULEBOOK

F!ROSH HANDBOOK

You're reading one! F!rosh Handbook is possibly the best thing you'll ever read.

The F!rosh Handbook has lots of tips on how to survive first year engineering. If you think this book is awesome (or not so awesome), help out with the handbook next year! You can be as creative as you want

this book. Some experience with a type of publication like yearbook or newspaper is helpful. Although, you can contribute in many different ways: writer, photographer, graphics, layout, copy edits, and much more. Just get involved! It's the best way to make your four (or more) years in engineering unforgettable.

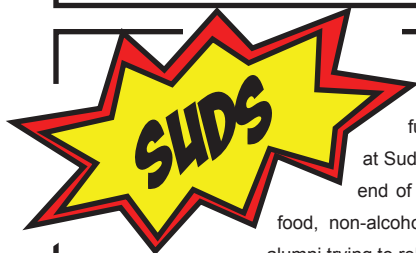
The secret to success for every superhero is a reliable headquarters for replenishing basic supplies. The missions that you will face in the year ahead will certainly require a variety of gear. As young superheroes, you may need assistance in getting the right gear, but there is no need to worry! Engineering Stores, your dedicated home base, will have all the supplies to prepare you for even the toughest of battles.

ENGINEERING STORES

When it comes to superpowers, Stores definitely has a modest share in its arsenal! With PRICE SLASHING, Stores has the ability to slash many operating costs in its non-profit, student-run business. As a result, we are able to sell the "CHEAPEST FIRST-YEAR TEXTBOOKS on campus – GUARANTEED!!!" Time to introduce our next skill: KNOWLEDGABILITY. Serving students since 1891, our motto says it all: "BY THE STUDENTS, FOR THE STUDENTS". We are well-seasoned superheroes, offering many products and services to meet all your needs: textbooks, T-shirts, polos, hoodies, coveralls, leather jackets, lab notebooks, calculators, pens, pencils, highlighters, backpacks, official faculty writing pads and report covers, drafting tools, playing cards, stickers, LGMB CDs, Skulebooks, coffee mugs, shot glasses, patches, tickets to Skule™ events, and much more!

By now you must be wondering where we are located at, which brings us to our final skill: CONVENIENCE. Stores is conveniently located in the basement of Sandford Fleming (SF), situated next to the Engineering Society Office, the headquarters of all Skule™ operations. Feel free to drop by on weekdays for a pit stop to check out our new and exciting products for this upcoming year! Also keep an eye on our display case, and our website stores.skule.ca for Skule™ gear.

If you have any questions or suggestions contact us by sending an email to stores@skule.ca.
Wayne Choi, INDY 1T1, Operations Manager; Landy Cheung, NSCI 1T1, Finance Manager



Suds is the engineering pub temporarily set up in the Sandford Fleming atrium where everyone comes to hang out and have fun on a Friday after school. You don't have to drink to have fun at Suds as we feature music, sport and sustenance to celebrate the end of the week. If you can't or don't consume the alcohol, there's food, non-alcoholic drinks, slushies, new friends and the occasional drunk alumni trying to relive the best years of their lives (which were at Suds).

As Suds is a licensed facility, some rules need to be established:

1. All activities at Suds will be subject to Newton's Laws.
2. EVERYONE, of all ages, is welcome at Suds.
3. No outside alcohol is allowed in Suds.
4. To drink Suds alcohol you must be wearing a Suds wristband.
5. To receive a Suds wristband you must provide ID proving you are 19+ (health cards and iron rings are not valid ID)

Suds is a great place to meet other students. They can give you advice, hit on you with bad pick-up lines, and give you mono (if the bad pick-up lines work). For an easy way to meet people, participate in our event nights (live bands, foosball tournaments, karaoke etc). You'll get conversation starters better than any beer could ever provide.

Suds is events-central during F!rosh Week and Godiva week (the 2 most fun weeks of the school year). During F!rosh Week, Suds is the "home base" of many events, and a generally safe place from artsies. It's also the air-conditioned area where Skule™ Patrol will bring you for water if they mistake your boredom for heat-stroke during the F!rosh picture. During Godiva week, Suds is the place where all major events happen because it's frikin' cold outside and otherwise no guys would enter Mr. Blue & Gold for fear their "junk" would look like a cocktail weenie. Suds is the heart of all major engineering events, pumping students out to wreak havoc on the campus, then sucking them back in to rejuvenate them with food and beverages.

If you like the sound of Suds, but think it would be more fun to serve food and drinks to those who can legally consume them, then you should be a server. Suds servers get to look cool, mix the drinks and pour the beers (and you only have to be 18 to serve). If you are interested in serving at Suds, come out during F!rosh Week and find out when server training happens and any other important information.

University of Toronto Blue Sky Solar Racing is a student directed program that applies higher education in advancing renewable energy technology and environmental decision-making. Through the design and construction of a solar powered vehicle, Blue Sky Solar Racing facilitates innovative applications of technology. The car's unique shape, distinctive sound and intriguing concept captivates the minds of countless onlookers every year; while the spirit of cross-continental racing awakens the heart and imagination of the public at large. Racing across continents at highway speeds using energy harnessed only from the sun requires enlightened design for power management. Each component of the car is thought out and evaluated in three key areas: maximization of total energy efficiency, elegance, and overall safety. While the design and construction are carried out under the rubric of performance and reliability, racing itself is a competition in sustainability. Blue Sky Solar Racing offers a unique learning experience not only through the design, construction, logistical operations, public relations and administration of a world-class solar race team, but also through the use of an intensely multi-disciplinary approach. Engineering, science, humanities, social science, and business students learn from each other how the varying decision making processes affect views on the environment and the role of technology.

BLUE SKY

FORMULA SAE

Within the heart of engineering, there is a group of students who solve challenges beyond the means of their peers; a group that breaks records and responds to victory with more victory; a team whose hobby is to build and drive a performance racecar.

The UofT Formula Racing Team competes against 500 other universities around the world. After building a new prototype each year, which is completely custom-designed and crafted by the students themselves, the UofT Formula Racing Team travels to international competitions throughout North America and Europe to prove that UofT remains at the top. With the prestige of three 1st place victories and a world championship title, the team welcomes you to enter the world of advanced engineering. See how this team sets you apart from other engineers and jumpstarts your exposure to industry, engineering skills and management.



All students are welcome and the only requirement is dedication. Students who wish to take their education to the next level are encouraged to manifest their ideas into innovations towards the UofT Formula racecar. The seniors on the racing team are here to guide your work through your journey that begins this FIROSH week. Visit the team site, www.fsae.utoronto.ca and stay tuned for all the announcements as a month of intense training and team building is coming up right away!

UTEK

If you're competitive in spirit, University of Toronto Engineering Kompetitions (UTEK) is an event catered just for you! UTEK will take place on January 16th, 2010 (Saturday).

Engineering students can compete in one of these six competitions: Junior Design, Innovative Design, Parliamentary Debate, Consulting Engineering, Engineering Communications and Senior Design.

The competition catered just for F!rosh and second year students, Junior Design, is a great opportunity for you to show off and develop your problem solving skills! Teams are required to build a prototype to solve a design problem on the day of UTEK. F!rosh are also welcome to join any other competition category except for Senior Design (3rd and 4th year students only!).

Winners in UTEK will go on to the Ontario Engineering Competitions (OEC) in University of Waterloo [All expenses paid for!]. Winners in OEC can go on to the Canadian Engineering Competitions (CEC) which will be held in U of T next year! Cash prizes to be won at all levels of competition! Email us at utek@skule.ca or visit our website utek.skule.ca for more information about UTEK!

UTEK Director 2009-2010: Yi-Wei Ang (INDY 1T2T1)

U T E K 2010
university of toronto
engineering kompetitions

The University of Toronto Concrete Canoe Team is a multidisciplinary design team completely managed by students. Over thirty undergraduates in the Faculty of Applied Science and Engineering (from all the disciplines) as well as students from the Faculty of Arts and Science, will form the core active team.

CONCRETE CANOE

As you may expect, we take concrete, a material normally strong in compression and weak in tension (not to mention really dense), and turn it on its head. When we are done with it, we have concrete that is not only good in tension, but less dense than water! Each year, we design, test, and construct our own concrete mix and canoe design, which is raced against other universities annually.

The Concrete Canoe team is a great way for students to apply the knowledge they gain in the classroom to a stimulating, interactive competition. Last year's competition was in Montreal, Quebec, hosted by Polytechnique.

CLUBS

CESA

For the past 35 years, CESA has been a student-run, non-profit organization dedicated to promote Chinese culture and foster social networks for its members. CESA has grown to be one of the largest clubs within the engineering faculty, having approximately 400 undergraduate, graduate, and alumni members.

To Frosh: Not only do you get to meet new friends at our social events, but CESA also provides many other services throughout the year. Join us and receive free lunches while celebrating Chinese festivals with others, receive discounts at stores around Toronto, compete in sports tournaments, enjoy our per-semester Times magazine, and much more!

Become a CESA member and receive access to many great products. These include: membership cards, discount booklets, lanyards, pens, and clipboards (which has become a well-known CESA product and is a frequent sight on campus. Come get your own, it'll be useful!)

In addition, CESA aims to be the most environmentally conscious student club in engineering by being waste-free and zero-footprint by 2012. The club will take extraordinary strides this year to achieve this, so come be a part of this great cause! Members will also get the chance to help other causes around campus and in Toronto.

Be sure to look out for our CESA booth around campus during Frosh week!

Website: <http://cesa.skule.ca>, Email: info@cesa.skule.ca

Women in Science & Engineering (WISE) at U of T

Website: www.wise.skule.ca

Email: wise.club@utoronto.ca

WISE U of T is a co-ed student organization open to all students, staff and alumni in the University of Toronto community. Our four main goals are to:

- encourage young women to seek higher education and achievement in science, engineering, and related fields
- create a support network for female students in these fields of study
- inform students about opportunities and contributions by women in these fields
- help women feel comfortable in school and to prepare them for the challenges that lie ahead in the workforce



Throughout the year, we host a broad range of activities including professional workshops, networking opportunities, and community service initiatives. We also provide a community and an extensive network for our members to share their experiences. Our "Life after Graduation" series provides a unique opportunity for undergraduate students to hear from female panelists in academia, business and industry about their career paths after graduation and how they overcame some of the professional and personal challenges they encountered along the way. We look forward to meeting you at our events this year!

Korean Engineering Students' Association

Korean Engineering Student's Association (KESA) is a proudly recognized association among

the student body of the University of Toronto St. George Campus.

Founded in 1981, KESA is dedicated to promote Korean culture, friendship, and communication between our members through many events and services. Approximately 100 graduate students and 150 undergraduate students are members of KESA. Graduate student and undergraduate students regularly collaborate and communicate through KESA events in both Canada and Korea.

Many events and services are organized to encourage interactions and communication between both undergraduate and graduate students, and provide extensive network for the members. Hosting events are diverse, from academic seminars to cocktail parties to promote interactions between members and build stronger relationships in university life. Members are strongly encouraged to exchange career information, and gain advices from seniors.

Another goal of KESA is to propagate U of T's engineering faculty and current global engineering technology to the Korean community in the Greater Toronto Area. For example, KESA math competition is held for high school students. It provides brief introduction of what kind of materials will be taught in engineering programs, and allows students to assess their ability before entering university. Information seminars for students and parents are also held to provide general knowledge of each discipline in faculty of engineering.

To academically support undergraduate members of KESA, regular study meetings are arranged. KESA gives opportunities for members to ask for support and help each other. Furthermore, KESA maintains a systematic database of past study materials for the members. This encourages first years to gain more support from the senior students.

KESA runs a website with general information about the club, and updates on recent and upcoming events to provide access to all notices for members and outsiders. Discussion board is also provided for members to freely communicate. Visit our website www.utkesa.com or join our Facebook group University of Toronto Korean Engineering Students' Association or our Cyworld Club club.cyworld.com/utkesa

FIRM

Traditionally, the field of medicine has been regarded as a distinct discipline, separate from all others. Nowadays, however, the field has evolved into an interdisciplinary one and seeks to integrate the principles of life sciences with many others, such as engineering and business.

In response to this rapidly growing field, the Friends of Interdisciplinary Research in Medicine at the University of Toronto (FIRM@UT) has as its mandate, to host academic, career-developing, and social events to give opportunities for the engineering students to be exposed to the interdisciplinary fields involved, and to interact with other fellow students and professors from other faculties. The exposure from these events will allow club members and undergraduate engineers to make a more informed decision of whether a career path in medicine or just research in general is suitable.

If you want to explore and have fun in your University life, this is the club you are looking for. COME JOIN US!!!

Email: firmatut@gmail.com

NANOCLUB

Who needs the macro and micro, when you can have the NANO! As nanotechnology becomes an ever bigger part of our lives, the UoT Nanoclub wants to help you get involved and make sure you're not left behind. We help you get connected to some of the biggest names in the field of nanotechnology

through our seminars and annual nano-research talks. Come and hear talks from leaders in nanotechnology business and industry! Meet and chat with professors who are looking for motivated students for thesis projects and summer research positions! Our events are free, include food, and are just awesome in general. The Nanoclub is also excited to launch its own monthly newsletter jam-packed with the most recent developments in cutting edge research and news at UofT and around the world. Don't let the opportunity slip past - sign up today and visit us online at nanoclub.ca to learn more.

National Society of Black Engineers (NSBE)

Website: www.nsbeutoronto.ca

E-mail: nsbe@utoronto.ca

NSBE's mission is to "to increase the number of culturally responsible Black Engineers who excel academically, succeed professionally and positively impact the community". NSBE U of T is open to all students regardless of ethnicity, race or program of study - all positive people are welcome! As a member of NSBE U of T, you will have invaluable access to our wide variety of programs and events which include:

- peer-to-peer help with Engineering coursework
- professional and technical workshops hosted by members of the Engineering faculty and our industry partners throughout the year
- leadership and volunteer opportunities in our Annual Walk for Education, NSBE Junior program (for high school students) and community outreach program
- social events such as the NSBE U of T D-Battle dance competition, movie nights and semifinals
- engineering professional conferences in Canada and the United States



Speaking of conferences, the 2010 NSBE National Conference will be held in Toronto and will attract hundreds of Engineering professionals from across the world. Apart from the professional and technical workshops, another highlight of the conference will be the annual career fair which will be an excellent opportunity for you to network with Fortune 500 company representatives.

We believe that a NSBE Engineer is a different breed of Engineer. Several of NSBE U of T Alumni have gone on to lead successful careers as engineers, business professionals and professors and continue to contribute as active mentors to our undergraduate members. We look forward to meeting you at our events during the school year and at the 2010 NSBE National Convention!

Eyes of Hope

Engineering is not only about building buildings, manufacturing goods or developing new technologies, it is about taking responsibilities for the advancement of society; it is about improving people's lives; it is especially about helping those in need. Eyes of Hope was created two years ago by engineering students as a way to provide leadership to help those in need.

Our main project is to fundraise and build one house for a low-income family in Toronto through Habitat for Humanity. The family who will live in this house will still have to pay a mortgage, but the mortgage will be set at an affordable rate: this is a handup, not a handout. We are also fundraising for a school in Sierra Leone through Free the Children. Finally, starting this summer, we will be sending groups of student volunteers to help out at the homeless shelter and food bank.

This year, we will be initiating an engineering-wide campaign to fundraise \$80,000 to sponsor one home for a low-income family. We will also be sending teams of students over to the construction

site to help build this home. No prior construction experience is needed. There will be knowledgeable volunteers on site to show you exactly what to do. This is a wonderful opportunity to meet new people, make new friends, and to develop both leadership and teamwork skills. But this is also a good opportunity to learn construction skills that are not taught in the classrooms.

This is a huge project and we always need more help, so if you are interested in helping to make a difference, e-mail us or visit our website: eyesofhope@eyesofhope.skule.ca, <http://eyesofhope.skule.ca>. We definitely welcome incoming first-year students.

Skule™ Orchestra, The Engineering Symphonic Orchestra

Founded in 2006, Skule Orchestra is a 50 member symphonic orchestra of string, wind, and percussion instrumentalists. The orchestra is the place for students to have fun performing challenging repertoire ranging from Mozart to Mahler, to unwind at weekly rehearsals and social events, and to enjoy music with musicians like themselves. Last year the orchestra hosted 4 events, including Moment the Valentine's Ball, where the orchestra performed live waltzes; and the year end concert Symphonic Boom, where Dvorak's New World Symphony was performed in its entirety. If you are a musician and want to keep up your skills and your passion for music, this is the club for you to join. If you love music but don't play an instrument, then don't forget to attend the Skule Orchestra events and concerts!

For more information please visit <http://music.skule.ca/orchestra/>



Skule™ Stage Band

<http://www.music.skule.ca/stageband/>

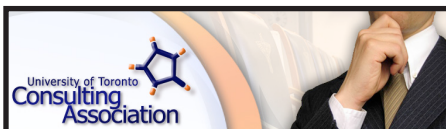
The Skule™ Stage Band is made up of mostly engineering students (though anyone is welcome to audition!) who enjoy playing and performing jazz, big band and fusion music. The band typically plays a few major gigs throughout the year including Cannonball, Gradball, Jazz@Oscars, EngSci Dinner Dance, Stage Band Suds plus more. We hold an Open Rehearsal in early September and we encourage everyone who's interested to attend. So make sure to come out and show us what you got! P.S. If you for sure want to be notified about the Open Rehearsal you can email stageband@skule.ca and/or sign up at the clubs fair during F!rosh Week

University of Toronto Consulting Association

The University of Toronto Consulting Association (UTCA) aims to educate students about the field of consulting and raise awareness about the career opportunities available within the industry. We provide the opportunity to learn, network, and build relationships by hosting numerous events such as case sessions, panel nights, mock interviews, and our annual Business Case Competition. In addition, the Volunteer Consulting Group (VCG) matches top university students with local non-profits to solve problems in the areas of marketing, fundraising, finances, organizational structure, and human resource management. Visit our website at <http://www.utconsulting.ca/index.php> and sign up for our mailing list for more information.

NSight Mentors

Superheroes need help too. Just like how Batman had Alfred (the butler), you have NSight to help you see the light at the end of the tunnel.



The NSight Mentorship Program is run by EngSci students for EngSci students, so we really know what you're going through. In NSight, each first year student is paired with an upper year, so you can ask all those questions that just weren't meant for a professor's ears. We can help you find others just like yourself, whether you're interested in world domination or cape design, and help you hone your skills of time management, finding a job, or speed eating. Since we've all gone through it before (and live to tell the tale), you can be sure we can provide you with tips, tricks, advice, and resources that will ease your way through first year.

EngSci is hard enough. Don't do it alone. Sign up today at nsight.skule.ca!

U of T Engineering Photography Club (EPC)

Whoever told you that Engineers were uncreative is completely wrong! Because here at the Engineering Photography Club (EPC), creativity is the game that we play.

Last year, we had themed shoots including Casablanca at the Distillery District, Nuclear Winter at Brickworks, Nuclear Winter on the Beach, and Nuclear Winter – Badlands. This year, we aim to continue various themed shoots, and we are planning to have a gallery at the end of the year to showcase the works of our photographers.

The EPC is also very involved with helping photograph events that happen around the Engineering Society. If you are interested in helping improve your event photography skills and build up your portfolio, the EPC provides you with this great opportunity! We welcome all beginners, amateur photographers and experienced photographers to our club! This year, we have developed an educational series that will allow beginners to learn the art of photography, while allowing amateur and experienced photographers to share their experiences about particular skills.

Joining the EPC is extremely easy. Email us at photography@skule.ca to join our mailing list, and go to our website: <http://photography@skule.ca> for updates!



SKULE POINTS

Skule points is an awesome system with the purpose of promoting cut-throat competition between classes, years and disciplines; increase involvement in Skule; reward individuals for their hard work and dedication; and to keep and provide records of contributions.

Points are awarded to individuals and groups for attending, organizing or helping out with Skule events; holding an Engineering Society position; winning a competition; and for being involved/contributing to student life in general. The list can be viewed at the Skule Points website, www.skule.ca/points. Each individual's points will be added to their class (eg. CIV 6T6), year (eg. 7T3) and disciplines' (eg. Engineering Science) points. Points can also be deducted for distasteful pranking; disgracing the Skule name, attempting to gain points unlawfully or anything else the committee deems malicious/improper conduct. Points will be collected from the beginning of the Skule year (September) to the end (May) with the winning groups announced and prized at the end.

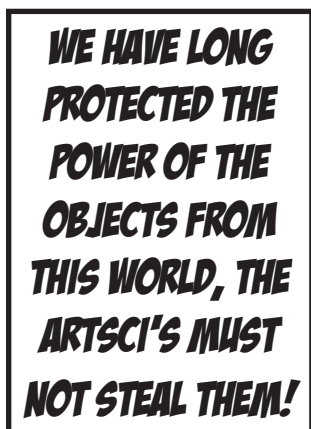
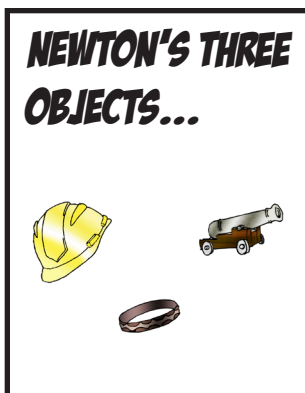
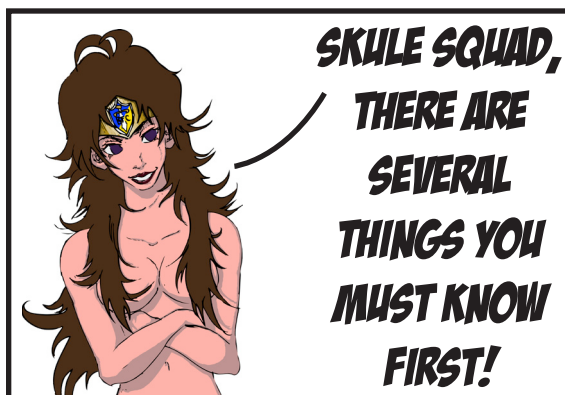


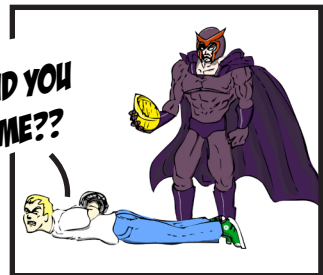
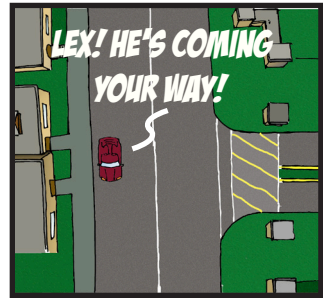
Individual points can be collected at any time of the year. The individual prizes are based on the number of Skule points you have. Given below is a quick list of points and prizes associated

with them.

Prizes	Skule Points
Hug	Free
Skule Points Button	100 Points
Skule Points Patch	250 Points
Skule Points T-Shirt	1000 Points
Skule Chennile 'E'	500 Points

PREVIOUSLY...





WE KNEW, BECAUSE YOU DIDN'T HAVE THE SIGNS OF AN ENGINEER...

Introducing the unofficial Skule™ uniform...

Always in fashion and handy to wear when you get down 'n dirty, coveralls are the bedrock of any engineer's wardrobe. Except the F!rosh.

Earn your coveralls by passing first year (and surviving).

When you do get them, customize them with cool (and uncool) patches and by any other means possible! Learn how to use a needle a n d

thread for extra credit—it is a valuable life skill. Once you have individualized your coveralls to all the whims of your imagination, strut your stuff and wear them to events throughout the year.



F!ROSH CANNOT OWN ENGINEERING JACKETS

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



Stores set up three fitting times during the year (fall, winter, and summer), so when you have earned the right to wear a jacket, set a date to get sized. Customize the lettering and patches, place your order, and voila! – you'll get your jacket (after a few months of nail-biting). Be warned, coveralls cost a mere \$40, which is beans compared to the leather jacket's \$500.

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



All this talk of awesome hear F!rosh can't own, what do you guys get to show off your spirit and awesomeness? Well your hardhats of course! Wear your hardhat with pride. Protect it and don't give it to anyone!!

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 and jester's cap. But F!rosh don't let this discourage you, show us what you're made of and bring the greatest hardhat in the history of F!roshkind to the Hardhat competition during Godiva Week!

And lastly, but most importantly: DO NOT FORGET to put a chain on your hard hat! It's vital to attach it to the hard hat and then to attach it to your waist to stop the artsies from stealing it!!



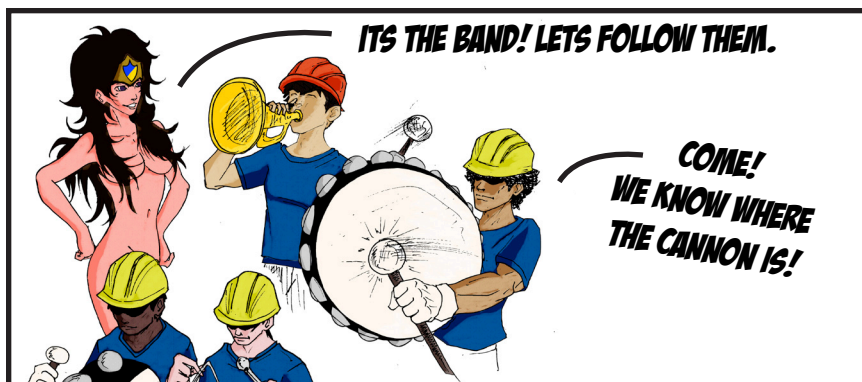
INTRODUCING...

The **World** Famous, **Quintuple** Prize Winning, Sextuple Record Setting, **TSE CRASHING**, football field dashing, alcohol stashing, Jumbotron flashing, Royal York trashing, fountain splashing, **joke rehashing**, Oktoberfest bashing, button mashing, **joke rehashing**; Stealth-**BNAD** stalking, impostor bnad mocking, Gradball shocking, Con Hall rocking, Scavenger hunt jocking, **Chariot Race** clocking, United Way walking, Speakers Corner talking, hockey game socking; Pop machine filling, ready and willing, Crown Royal swilling, **"Yo' we jus' chillin'!"**; CN Tower ascending, peace and quiet ending, **Canon** defending, many patents pending; Coke machine wiring, world take-over conspiring, instrument acquiring, fear inspiring, introduction is tiring; **seven year old** **rotch** decanting, **ALL NUDE ALL THE TIME!** Vanier Cup rejecting, premium beer selecting, Godiva resurrecting, tastes good with pectin; Wheel of Fortune **SPINNING**, stereo winning; Swiss Chalet EATING, Santa Claus greeting, Atrium meeting, Smash Bros. BEATING; **MAD INTEGRATING**, Nathan Phillips skating, Aramark hating, **TRIPLE X RATING**; Young St. cruising, Varsity Bluesing, music abusing, **car drum** bruising, Blue Jay enthusing, Iron Ring perusing, Hart House Farm carousing, RUM & COKE OOZING, referee accusing; Gamecube **playing**, Trogdor slaying, artsie laying, fine paying; **Police** escorting, lecture aborting, broomball sporting, cheerleader courting; Note nailing, scale scaling, song wailing, movie delaying; **Football loss** cheering, **SPAGHETTI MONSTER** fearing, alumni suds beering, fire bell searing; Pride Parade priding, traffic abiding, trombone sliding, mustache riding; Queens Golden showering, Sourpuss souring, **G I N D E V O U R I N G**, **F!** deflowering; Funeral halting, **mascot assaulting**, **BEVERage** malting, artsie insulting; CN Tower, Skydome, Eaton Centre, **pratt building**, Four Seasons, Innis Condo, Scarborough RT, Bahen **Centre for Information** Technology, Ontario University Fair, Varsity Stadium, **SKULENite**, Spadina streetcar and Sheppard subway opening...

...AND SUBWAY CLOSING...

**LADY GODIVA
MEMORIAL BAND**

**Renegade Musical Terrorists,
Marching Gregorian Chant Soci-
ety, and White Noise Brigade!**



Hellow F!roshicals!

Ahr yoo wurri'd ahbawt wut too doo dyoorng befour, and ahfter yawr Skule™ ah-ours? Well, doo nawt pheer, teh Bnad is always hear! Teh LGMB is da best klub in Skule™! Wee ahr da behst krayzee marrchng bnad aynd spearit grup aht UofT!

Wii krash tons uv uhvents evry yeer, lyke Basketbawll gaymes, Hawkyy gaymes, chairity uhvents, wyne & cheezes, gradyyuashun ceruhmoanees, paraids (Wii evun mayde it too da big Santa Claus Parade lahst yere in frunt uv millyons of peeple!), ahnd uv korse, wii chear ohn awr loosing fuhtbawl teem aht evry gayme!

Yoo doant nede anee moosikal tahlent to joyn – dat's fore reel musicians. Unlaik thuh uther bnads and Orkestras aht Skule™, wii let yoo playe any instruhmint, aneethng frum Trumpits too drums too boom stiks too fyre bells too whistles too ocarinas too frhyng pans, wii hav it awll! Ehneethng yoo kan mayke noise with iz welcum!

How do yoo sin(up)? Evryywn kan joyn teh bnad, itz reel iizy! Ah! yoo engineers ar alrhedy members of teh LGMB! Jus looke owt fore LGMB annocemints dyuring F!rosh wiik and dyuring thuh yeer!

See yoo dere!

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

Kevin P. Siu
Bnad Leedur

Alvin Ho
D(r)umb Majur(k)

Alex Martins
Joonyur Bnad Leedur

**SKULE™ NITE**

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 rawkin' orchestra? If you said, "OMG, WTF, BBQ – yes!" to any of the above, we want YOU to be a part of Skule™ Nite 1T0!

Since 1923, Skule™ Nite has been U of T Engineering's Musical-Comedy Revue. Note that Skule™ Nite is NOT a talent show or a drunken performance of hastily-written skits; Skule™ Nite is part sketch comedy, part Broadway musical, and is one of the most fun and professional theatrical experiences you can have in Engineering, at U of T, or in THE ENTIRE UNIVERSE!

Auditions and sign-ups happen early in first semester and the show hits the Hart House stage for four magical nights in March (see the website for exact dates and more information). No experience is required to audition or sign up for:

CAST – Act, sing, and dance your way through sketches about anything from crazy cults to bird flu to Harry Pizzle and Dumblepimp!

BAND – Instruments of all kinds are needed for Skule™ Nite's fantastic orchestra!

BUILDING CREW—Design, construct, and pain awesome sets and props for the show!

STAGE CREW—A behind-the-scenes chance to keep each night's show running like clockwork!

TECH CREW—How can we begin the sketch without a knock on the door?! How can we end the sketch if the lights don't go down?! HOW?!

COSTUMERS—So it's been your dream to make the cast look straight outa Bollywood or an episode of Captain Planet and the Planetears? 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!

Say it with me: BEST SKULE™ NITE EVER!

Director: Alvin Ho

Club Dinner Dances

During the Skule™ 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!

**DINNER
DANCE**

Cannonball

The best way to celebrate the end of Godiva week and the beginning of your second semester as Flrosh is to attend this extremely entertaining dinner dance known as the Cannonball! This the annual Engineering semiformal where everyone is invited, but beware, tickets go fast. You will want to be first in line for this dance and you will also get to hear the Skule™ Stage Band, have your dinner interrupted by the renegade musical terrorists and possibly have a special appearance from the Skule™ mascot.

Gradball

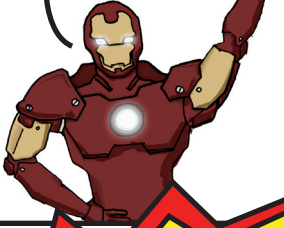
This dazzling dance is not only for graduating engineers, in fact all engineers can attend gradball (yes even you silly Flrosh!). Everyone enjoys the snazzy atmosphere and congratulating the graduating class with special awards given out to deserving upper year students. Much like the other dances, gradball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

S-Dance

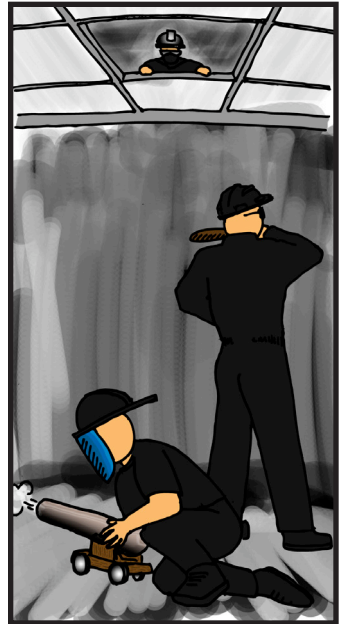
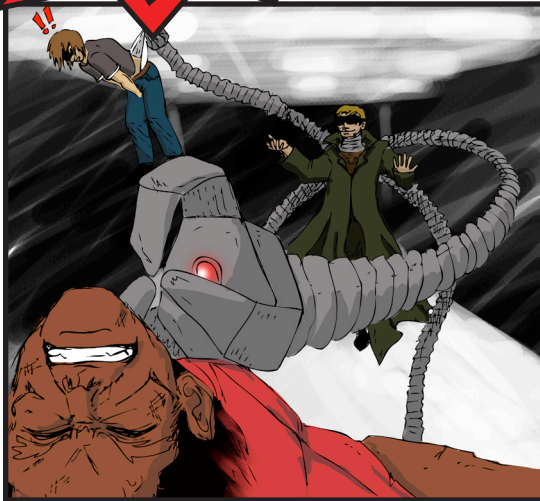
If you want a cheap and awesomely fun night, and want to listen to S Club 7 nine times in one night, then this is the dance for you. This dance is hosted by the Engineering Athletic Association, but even if you did not play on any teams this dance should not be missed. Athletic awards are given out and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



**SKULE SQUAD! DEFEND
THE CANNON!**



KAPOW



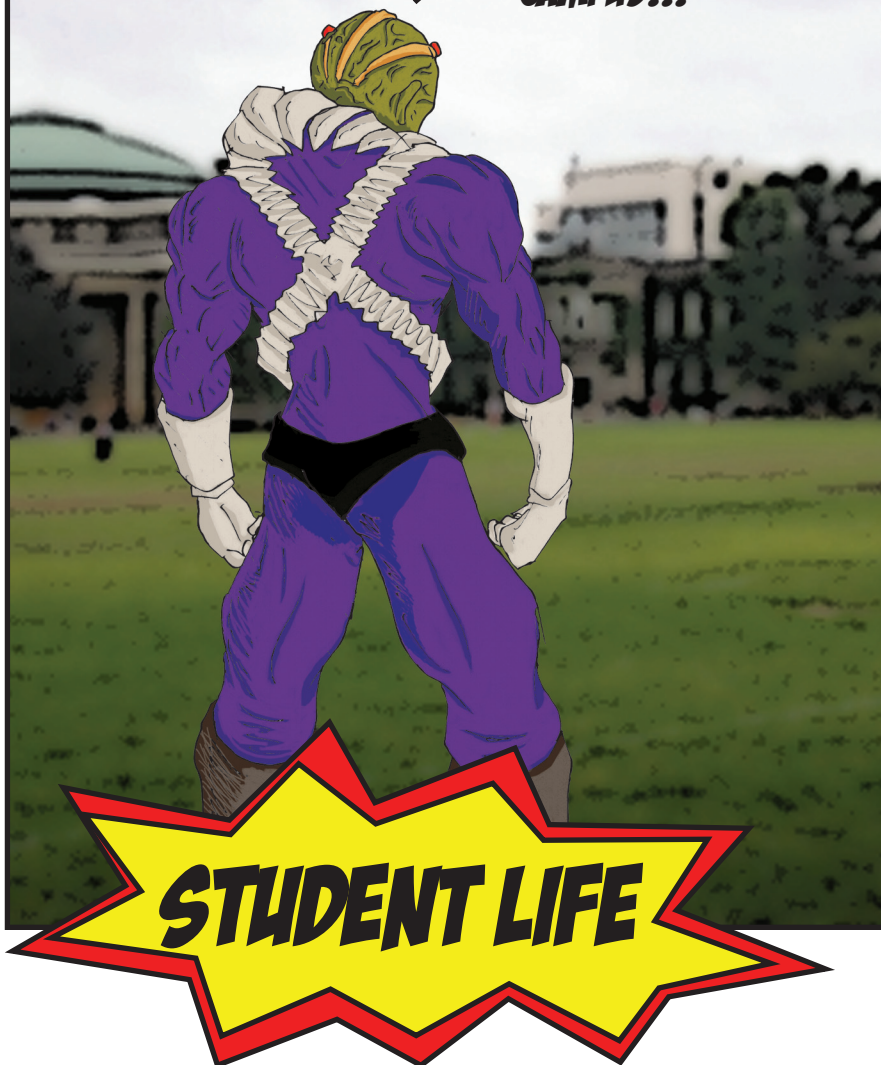
**ONCE WE HAVE THE IRON
RING, WE CAN DEFEAT
THEM...**



**QUICKLY!
LET'S FOLLOW
THEM!**

THE SKULE SQUAD STEALTHLY FOLLOWED THE ARTSCI ATTACKERS IN HOPES OF FINDING WHAT THEY HAD PLANNED FOR THE IRON RING.

**THEY WENT ONTO
CAMPUS...**





RESIDENCES

Welcome Superheroes! Listen carefully! This is your mission - You are to live in a multi-thousand dollar mansion/box located near the surrounding area of Campus grounds. Unfortunately, the enemy (Artsies) has also claimed their territory within these formidable fortresses. They are to be EXTERMINATED at all costs! This section of the guide book will debrief you on several surviving skills, techniques, as well as weapons located upon on the premises. Good Luck! And remember – With great powers, comes great responsibility!

Equipment

On such missions, it's always better to be prepared. Items like a kettle (explosive with large splash damage), plates (armour vest), water filter (hitting object!?), bowls (crotch cups), and forks (stabbing object!?) are lifesavers. Basic toiletries and laundry basket is a must. Also, take note that it costs an additional (not part of your resident fees) \$1 to dry and wash your clothes, separately. Damned residences, this is blackmail!

Eating and Cooking

For nutrition, you could join the Artsies' daily cultish gathering in the Café Facility. Be forewarned, it is known to lure innocent victims into purchasing their devastating meal plans. It might seem enticing at first, craving for the delicious veal or chicken dinners, lusting for the hard, juicy wieners or the honey-buttered buns. But after a few months of the same mundane crap will you realize that, yesterday's chicken salad is actually in today's meat pasta! During emergencies or when Café food is absolutely intolerable, you can adjourn to other food sources within the area. There are several pizza, barbecue restaurants, Chinese trucks and min-marts right next to the Athletic Center. Or you could even cook on your own in the common room or apartment (Innis facility).

Cleaning

Aim to keep your room neat and for God's sake, DO YOUR LAUNDRY! You wouldn't want to mix up your 4 hr Chem labs with your rough work or exit the shower one day to realize that you ran out of underwear. Trust me on this. Even though you may not mind, always check with your roommate – he might. Need a vacuum or mop? You have been given clearance to attain the cleaning room keys from the main porter. Of course, use them at your discretion. A smart superhero is a clean superhero, remember that.

Socializing

Last of all, have fun! Where else in your lifetime will you ever be given this unique experience? Let loose, socialize with friends, meet new people! Drop by to open doors, talk with other superheroes, and share your talents and secrets. The allies you make can be your source of comfort on rainy days. And a game of DOTA or even basketball can make any stressful day seem a whole lot better. Besides, you'll get to meet Wonder Woman and her unique "skills", which is always a plus.



RESIDENCE CHECKLIST

Our superheroes entered the residence rooms and were shocked at the prison-like appearance of the rooms. Mystique exclaimed that she had brought too much and it wouldn't fit in these small rooms. A good idea would have been to pack light and buy as you find you're missing certain things. Here is a list of essentials that should not be forgotten:

Cleaning supplies: While some residences supply these, you probably won't want to be using them anyway – who knows what the mop was cleaning before? – it's a good idea to bring your own mop, broom, and dustpan, as well as a few cloths for the occasional wipe-down, unless you're ok with letting your room fester until the Christmas clean-up from the staff.

Bedding: No one wants to use res bedding; bring your own for a nicer-looking, more comfortable, and assuredly cleaner bed.

Flip-flops: If you're going to be using shared showers, this would be a very good idea. Unless you want to be stepping on...

Plenty of snacks: For the many late nights when you will be up cramming or finishing those labs, there's nothing better than some food and drink to keep you alert!

Laundry detergent and hygiene items: Please don't be that person who hasn't showered in a week, no matter how much you have to do (yes, even if you are an ECE!).

Computer and printer: "I just need to go print it off" excuses won't work anymore... having your own computer and printer is essential to avoid late-night treks to the computer labs, which may or may not be taken over by people playing warcraft...

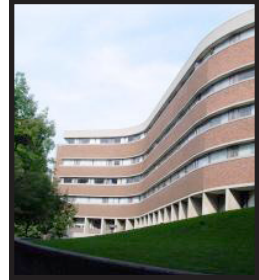
Alarm clock: It can already be hard enough to get up for those 9am classes or exams when you have one of these. Without it? Hopeless.

Posters and decoration: Unless you want your room to resemble something from one of those Big Brother movies, bring some decorations for your walls for a homey and personal touch.

RESIDENCE DESCRIPTIONS

NEW COLLEGE

One of the first things you notice about this residence is how close it is to your classes. This can be very advantageous, for when you're running late for classes or getting over that hang over from last night's party. New college also has the largest cafeteria (located in the old New College, not the new New College), and while at first you're going to pig out like usual at a buffet, you're going to get bored of it quite soon.



89 CHESTNUT



The first thing people usually notice about 89 Chestnut is the location. It's right in the heart of downtown Toronto. They also notice that it's relatively far from campus. While the long walk (10-15 minutes) to school may be annoying, residents of Chestnut can take advantage of this to prevent the freshman 15, or, (more like the Chestnut 25 because the food is so delicious). Residents will most likely be sharing a double room with a washroom, and have a maid come in once a week to tidy up. 89 Chestnut also has several common areas where you can study and hang out such as Urban (the main floor lounge) and the 27th floor which not only has a great view of the city and lake, but has a lot of couches and seats. Not to mention, used to be a revolving restaurant.

INNIS

Innis is one of the only suite style residences, where you'll get to live with up to three other people. Getting into Innis residence is highly competitive, which means if you're living there you're either a super genius like Ironman, or Lex Luthor, or your average is usually from mid to high 90's. Innis is also the cheapest residence because there is no meal plan. However the suites are equipped with fully functional kitchens and refrigerators, meaning you'll survive if you 1) know how to cook, 2) know how to steal/mooch food 3) have a year supply of cereal, instant noodles, or TV dinners. Should you have any free time between your classes, you can check out the many common rooms (equipped with giant screen TVs), pool tables, foosball, and the famous Fish Bowl (for the Aqua man experience).



As just a young inexperienced F!rosh, you will probably be unable to naturally fly or teleport to wherever you need to be. So for those of you travelling to campus, here are some tips:

COMMUTING

Tip #1: You should get a TTC Metropass. These monthly passes allow you to use the entire TTC system during operational hours. Discounted Metropasses are sold all over campus, including at the UTSU office. Most locations only accept payment by debit, except for 89 Chestnut which is cash only. They are usually for sale in the last 5 business days of any month, but get one in the first few days they are being sold since there is a limited number of passes for sale, and you do not want them to sell out before you get one.

Tip #2: Some of you will be using GO Transit and you will want to obtain a GO Transit Student ID Card, since these allow you to get student fares on monthly passes and 10 ride tickets. To get one of these cards, you first need to obtain and fill out a form available from the Registrar's Office, and then drop the form off at Union Station. You will need this ID whenever you go to buy tickets or passes.

Tip #3: Keep your eye on the time. Being an engineer, you may be at school until very late at night studying, doing extracurricular activities, or any other number of things! The last thing you want is to end up stranded in the middle of campus with nowhere to stay. Be knowledgeable about your travelling, and know when your last subway, bus, or train runs so that you know when you have to leave by.

Tip #4: Pack light. You will have numerous textbooks for all of your courses, but you will not need all of them every day. Bring only what you need with you for the day since you will have to carry it with you between classes for the entire day, and you never know when you may have to run to catch a train or bus.

Tip #5: Use your time wisely when you commute. You may be spending an hour or more commuting each day, valuable time which you can utilize. If you don't get motion sickness, this is a good time to study or go over notes. If you can't read or write on a train or bus, it is a great time to catch up on some sleep. It is also great to use as downtime, where you can listen to music and get some time for yourself, or read the Metro and see what is happening in the world around you.

AC

Athletic Center (AC)

The Athletic Center is quite the sensational recreational facility, coming fully equipped with a 200+ meter indoor running track, a full length Olympic sized swimming pool, and multiple squash, badminton, indoor tennis, and basketball courts. The AC also includes a fully decked out weight room, multiple rowing, biking, elliptical, and treadmill machines, and even steam rooms in each of the changing rooms; what more could you want? But saving the best for last, this fine establishment even has ping pong! However, be prepared to fight through a pile of lanky Asian kids to get a table.

STAYING HEALTHY

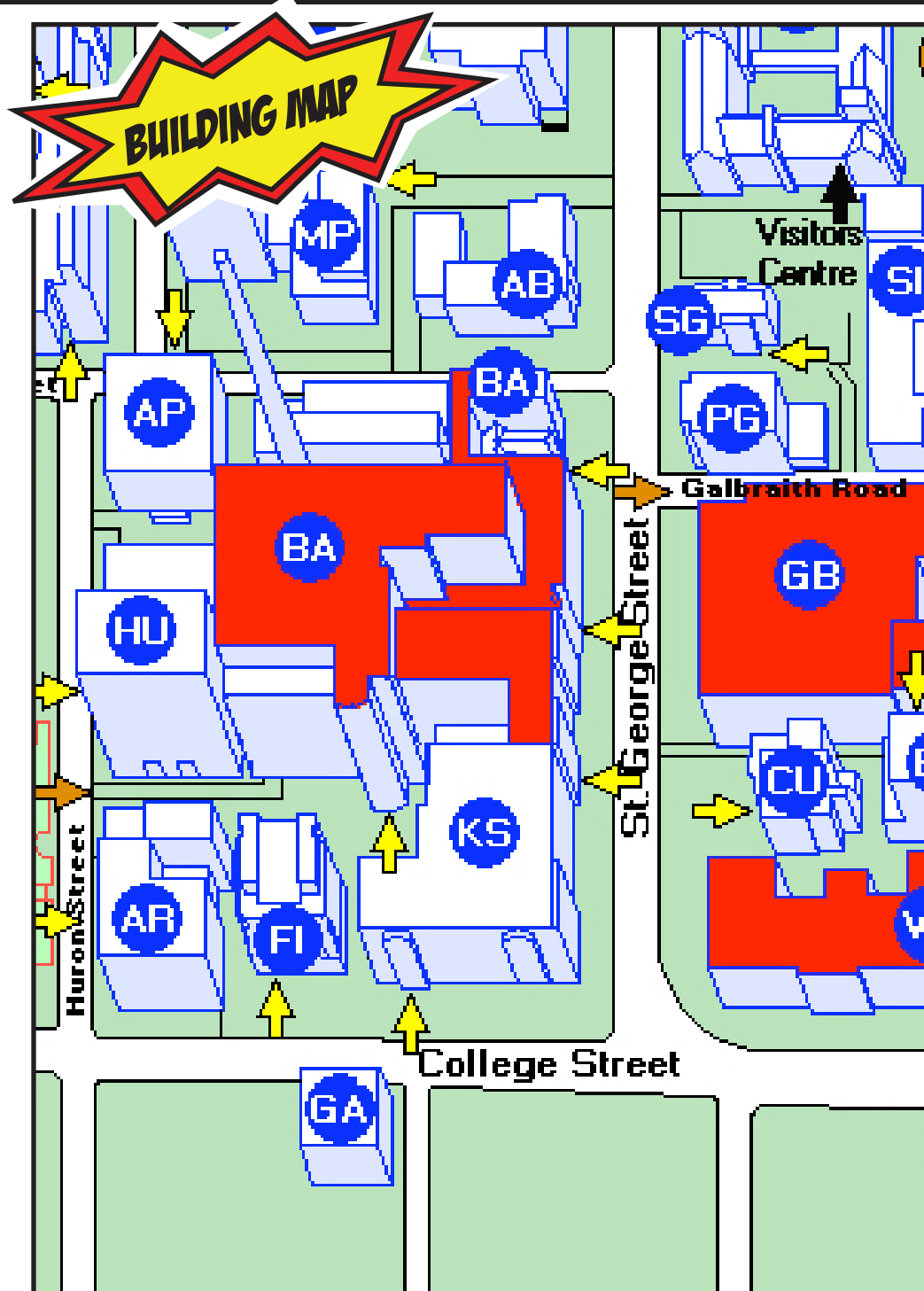
Growing old is the last thing on the mind of any reasonable university student. But let's face it, you're not going to be young forever. Now I don't want to start off all dreary, but your health is going to be a key part of spoiling your grandchildren rotten and reciting stories of the good old days – and I guarantee engineering will provide you with a pretty incredible plot! There are a few key areas when one talks about staying healthy: sleep, food and exercise. Sleep is essential to avoid being sick during the semester. Try to build a daily routine of going to bed the same time each day. It will help you feel more awake during classes. Avoid napping in the day because it will throw off your sleep pattern. Parties and hangovers start off great, but need to be kept in moderation. Food consists of slightly more than coffee and beer. Drinking milk and eating greens is the key to succeeding in calculus, even when studying seems to fail. A cup of coffee or two should be more than enough to get through the day. Now come the dreaded words: physical exercise. Now I specify because I don't want to create some misconception. X Box does not constitute physical exertion. Your schedule should include about 20 minutes of aerobic exercise each day to stay fit. This will also help you sleep better and feel more relaxed.

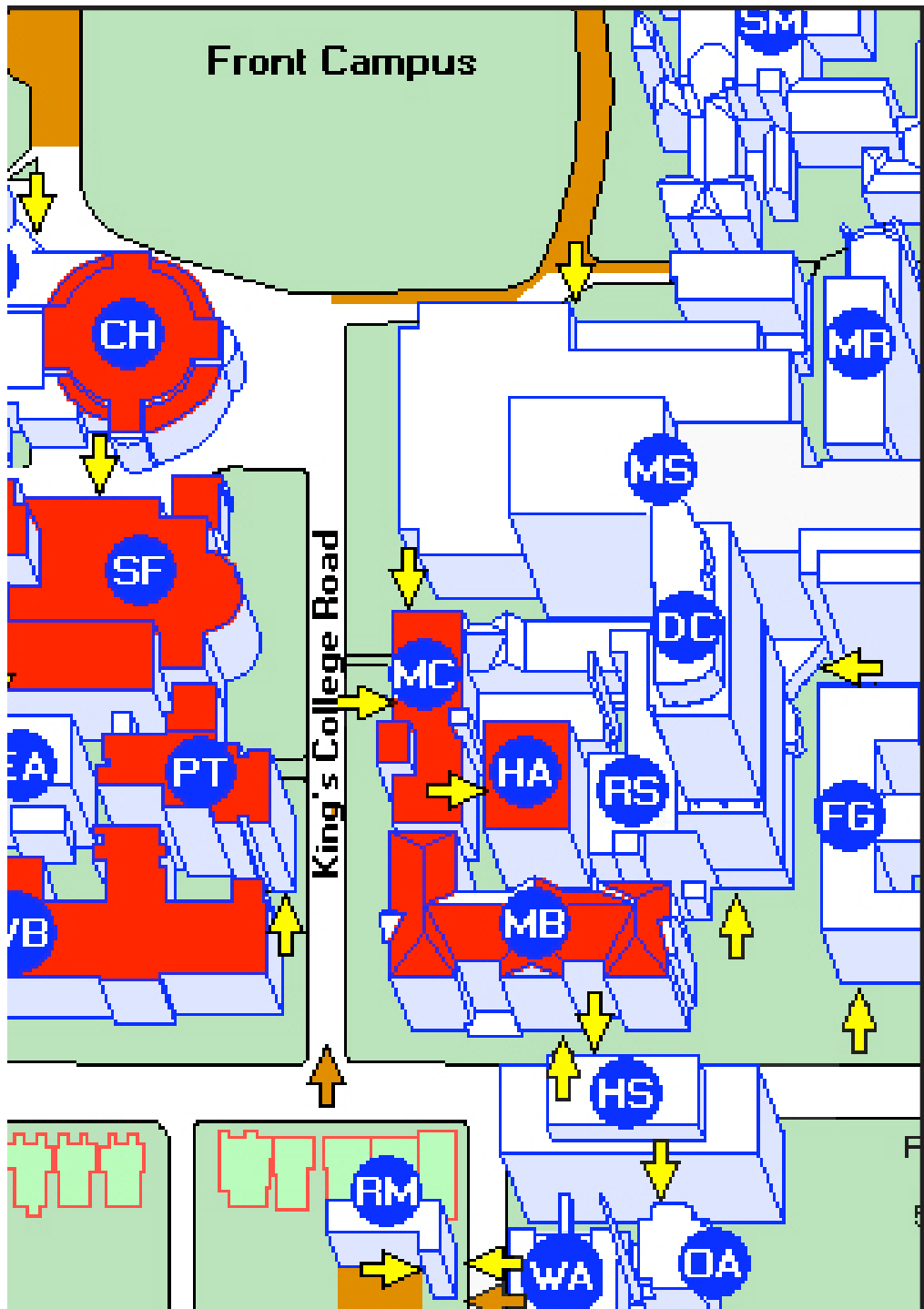
Hart House is another awesome, and FREE, recreational facility offered to UofT students. They provide a classical door track, a fully equipped weight room, a 25 yard pool, squash courts, and a gymnasium that can be booked for basketball, volleyball, soccer, and, oh yes, even dodgeball. Hart House also offers many different swimming, dancing and martial arts classes. This can be very useful to those of you who can't dance but have always gotten their asses kicked for trying. There are many other services that Hart House offers, and it's a great place to try new things instead of being cooped up in the library all day.

HART HOUSE

Varsity CENTRE

The last recreational facility that will be mentioned in this handbook is Varsity Center. This massive building includes a 5000 seat stadium, a 400m eight lane track, and the best artificial turf that can be found in all the land, plus a kick ass dome that surrounds it in the winter. Varsity Center also comes equipped with an ice rink, where hockey and the super awesome sport of broom ball can be played. During the recreational hours all this can be used for your own enjoyment so come out, stretch those thunder thighs of yours, and enjoy some of the magnificent facilities offered by UofT; after all, it's FREE!





BAHEN CENTRE (BA)



Separated from all the other engineering buildings by St. George Street and a very annoying crosswalk, Bahen (pronounced “Bay-en”) Centre for Information Technology is the newest, flashiest and the most reflective building out of all other engineering buildings. There is a connection to Koffler Center from the inside which leads to a Second Cup and the UofT Bookstore. The connecting hallway entrance is opposite to Mega Bites café which serves Star Bucks coffee. The lecture halls are really big and have comfortable seating and tables, 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. 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 the Engineering building. Our Fortress of Solitude and Skule™ Headquarters. It is home to the Atrium, a magical place where you will find that something is always happening. Skule events like Suds, Godiva Week, F!rosh Week, and other fun things happen here. The Engineering Society, EAA and Bnad have their head offices located in the basement. A fun place to hang out, the atrium has lots of tables, chairs, a cafeteria, photocopying machine, a couple of microwaves and the Bnad Vending machines which sell snacks and drinks for really cheap! Also, the Engineering Library is on the second floor and the Linux labs (where you will be spending countless hours trying to figure out your labs) are on the first floor.



GALBRAITH (GB)

Connected to Sanford Fleming, this is the building you will be frequenting every time you have a question or need to take care of paper work. It has all the administrative offices like the First Year Office, Office of the Dean, and Admissions Office. 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 seats that look like they were designed for the Atom and the heating is always turned up a good 5 degrees higher than it should be. Another thing to note is that this building has Windows labs which offer Microsoft Project, something you can't get in the Linux labs.

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.



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. 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.

MECHANICAL BUILDING (MC)

This building is home to the Mech and Indys. You will probably have a few classes in this building in your first year. It has quite a few lecture halls and, most importantly, the most comfortable chairs. With cushioned seats, the sleepability in a lecture is remarkably enhanced. The lecture rooms that start with a 2 are not really on floor two or three, they are astonishingly located on floor 2.5. So have fun trying to find where they are, and try not to be late because of it!



ENGINEERING ANNEX (EA)

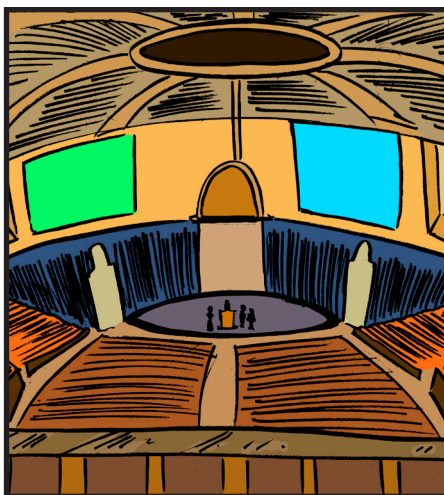
This little building is located in the alleyway between Wallberg and SF. The most notable thing about this building is that it contains the ECF headquarters. If you have problems with your ECF account, need to reset your print quota or need to print in color, this building is your destination. There is also an ECE common room in this building which contains sofas, a DVD player and a big screen T.V.

HAULTAIN (HA)

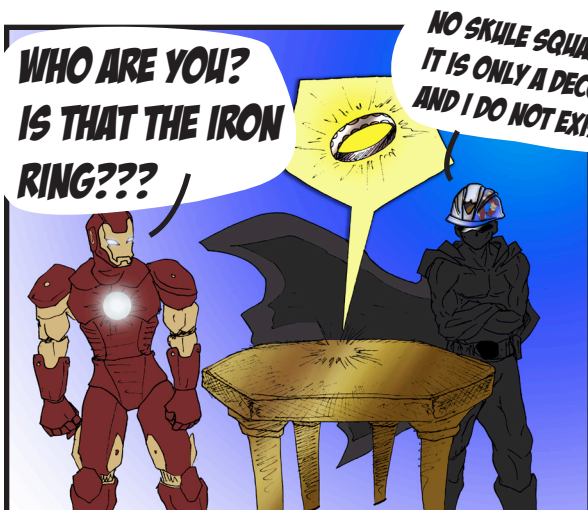
Hidden away like the Batcave, this building is most notable for how hard it is to find. It is tucked away in a sketchy alleyway between MB and MC. It has tutorial rooms on the fourth floor where you will probably write your CIV tests. Also, the elevator is kind of broken and doesn't always work right. So give yourself some time in advance if you have to go in to that building.



THE SKULE SQUAD ARRIVED AT CON HALL, AND SEE SOME MYSTERIOUS FIGURES DRESSED IN ALL BLACK WITH BLUE HARD-HATS, LEAD BY ONE WITH A SHINING SILVER HARD-HAT...



**WHO ARE YOU?
IS THAT THE IRON
RING???**



**NO SKULE SQUAD,
IT IS ONLY A DECOY,
AND I DO NOT EXIST!**

**AND SO, OUR
HEROES AND THE
PEOPLE WHO DO
NOT EXIST HID,
AND WAITED FOR
THE ARTSCI TO
APPROACH THE
IRON RING...**



... AND THE ARTSCI'S, FINALLY ADMITTING OUTSMARTED AND DEFEATED, WERE NEVER SEEN AGAIN...



JOIN THE

SKULETM SQUAD

**AND HELP US
DEFEND THE WAY
OF THE
ENGINEERS!**

ADDITIONAL INFO



MONEY & SCHOLARSHIPS

Not all of us are born in the Wayne family, some of us might just relate more to the Parkers. Luckily there always these resources you can turn to:

The Ontario Student Assistance Program (OSAP)

Provides loans to Ontario-residents. The loans are interest-free as long as you are enrolled in full-time university study. www.osap.gov.on.ca

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. 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. http://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. http://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. <http://www.undergrad.engineering.utoronto.ca/information/awards.htm>

In-course scholarships

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

External Scholarships, Awards and Grants

Look at other websites for more information. <http://www.canlearn.ca/>

Students should also check the scholarships bulletin board located in the Galbraith Building, outside room 153 for information about external scholarships for which they may be eligible.

UTSU Book Bursary

Offered by the UTSU and U of T Bookstore, the bursary is a partial reimbursement for the costs associated with purchasing textbooks. http://www.utsu.ca/index.php?section_id=1047

For more information go to <http://www.undergrad.engineering.utoronto.ca/support/financial/assistance.htm>

ADDITIONAL INFO

A good superhero knows where to get the best food in town. Here's a guide to some of the popular bars and food places.

FOOD & BARS

Ein-Stein's (229 College St.)

Engineers have been frequenting "Stein's" for years. Located



just across the street from campus, many engineering events/non-events cap off the night here. Drinks are reasonably priced and it's famous for its Hammer Wings. Even if there's nothing special going on, it's still a good place to hang out with some friends, grab a drink and a bite, and play a game of pool.

Graduate Students Union Pub

The GSU (16 Bancroft Ave) – Located literally downstairs from New College, the GSU is one of the most laid-back pubs in Toronto. It has a relatively small selection, but very reasonable prices, and features all microbrews on tap. A great place to hang out and talk with the locals (we met a guy who graduated MECH 8T1). There's free pool on Tuesdays and Thursdays so you can work on your billiards skills. And it's hard to beat the location. New College residents can get there faster than they can to class.

Dance Cave (529 Bloor Street West [building says Lee's Palace, can't miss it])

Despite being called a cave, the club is actually upstairs from Lee's Palace, a venue popular with Toronto's music scene. This "club" is geared more towards rock, alternative and the like and it's usually pretty busy on weekends. Drinks are reasonably priced and admission is free with your T card. Located at Bathurst and Bloor, it's also just a short walk from campus.

Kom Jug Yuen [371 Spadina Ave]

'An engineering tradition' are the only words adequate to describe Kom Jug, everyone should go at least once. Most people get the BBQ pork on rice, but Shanghai noodles are also popular. Good, cheap Chinese food, a hilarious name (yes, it's pronounced Come – Jug), and located just a short walk south of campus. As an added bonus, they're also open until 3AM.



Pho 88 [270 Spadina Ave. (416) 746-8646]

Ok, there are many Vietnamese restaurants in China Town. But you gotta try this one because they not only make Vietnamese noodles, but they also offer Thai food and Chinese food like Pad Thai and Szechuan-style dishes. And of course, the noodles here are really good!! Don't forget, they can deliver so you can enjoy the food without walking to the restaurant.

Aka Sushi [171 Dundas Street. (647) 436-8261]

A Japanese restaurant that is located near Chestnut (approximately a 3-min walk). Lunch combos with a main dish (sushi, maki, handrolls, chicken teriyaki, you name it), soup and salad are provided everyday. They also offer bubble tea with multiple flavours.

Cora Pizza and Papa Ceo [654 & 656 Spadina Ave (416) 922-1188 / (416) 961-2222]

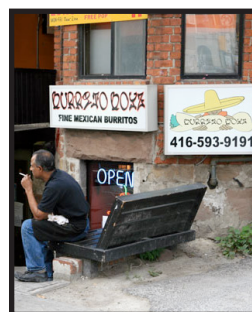
Who's the genius that decided to open a pizza parlour two doors down from another pizza parlour? (answer: Italians) In any case, both bake an excellent pie that puts Domino's to shame. Ceo's is more of a restaurant (read: it has place to sit down) but Cora is open 'til 3AM, great for those late night study sessions. Slices (a quarter of a pizza) are \$4 or less, and have tons of choices, including many vegetarian options. On top of that, it's just a short walk north of campus.

Sushi & BBQ [294 Dundas Street. (416) 591-8697]

They offer both traditional Japanese and Korean food like Udon, sushi, sashimi, BBQ beef, etc. You will definitely enjoy the eating here because the ancient Japanese design of this restaurant will make you feel like you are having a meal in Japan.

Big Fat Burrito & Burrito Boyz [Big Fat Burrito - 285 Augusta Avenue (416) 593-9191 / Burrito Boyz - 218 Adelaide St (647) 439-4065 and 120 Peter St (416) 593-9191]

Big Fat Burrito is located closer to campus but a little more expensive. Burrito Boyz are further but you'll save a few bucks on the bill. Both, however, make excellent food. As you may have guessed from their names, their menus are pretty limited (burritos...), but everything you can order is top-notch. Both also cater to vegetarian and even vegan diets.



New Generation Sushi [493 Bloor St. west (416) 963-8861]

This restaurant provides the best affordable sushi and other Japanese



cuisine around campus. A lunch special will get you miso soup, salad, an entree, and ice cream for less than \$10. Dinner is only slightly more expensive, and is also available for delivery before 10pm. However, if you're going for dinner, reserve a table or be prepared to wait as New Gen can be packed past midnight.

Garden Restaurant [153 Dundas Street (416) 596-0818]

This Chinese restaurant is pretty high class. You will enjoy eating here as the food is tasty and the decoration is grand and elegant. They offer some dinner specials and delivery service. Try it!

Future's Bakery and Cafe [483 Bloor St. W (416) 922-5875]

One of the hot spots in Toronto's Annex neighbourhood, Future's offers an excellent all day breakfast as well as a scrumptious selection of over 40 cakes and other desserts, most notably their variety of cheesecakes! Come by for live music on Tuesday nights or for all you can eat perogies on Wednesdays. Also, check out the U of T student breakfast - breakfast and coffee for five dollars!

House of Gourmet [484 Dundas Street. (416) 217-0167]

A Chinese restaurant provides you over 400 items of Chinese food. They also serve some special combinations that are suitable for one person up to eight people. It closes at 4 am, so it is a good place to relax when you get tired of studying.

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

...But where can you find this fun?

PLACES TO GO TO



The Eaton's Centre

Whether you like shopping, window watching, or wandering aimlessly, the

Eaton's Centre is a great place to spend some time. If you have some cash you are willing to part with (and have not already spent it on books, or tuition, or commuting, etc.), you can get some lunch at one of the food courts or buy clothes, games, or whatever you wish at some primo stores.

The Air Canada Centre (ACC)

The Air Canada Centre, home to the Toronto Maple Leafs, Toronto's NHL team, and the Toronto Raptors, the city's NBA team. If you want tickets to see either of these teams in action at home, tickets are quite expensive, but with some good planning, you can have an evening that is well worth the cost. As well, many shows and concerts are performed here, so keep an eye out for your favourite bands coming to Toronto and possibly playing at this location.

Rogers Centre / SkyDome

Formerly known as the SkyDome, this stadium is home to the Toronto Blue Jays and Toronto Argonauts, the city's MLB and CFL teams respectively. Tickets for home games are very affordable and a great experience to have with a group of friends, and also give you a chance to see the dome which makes the stadium both an indoor and outdoor stadium (the roof moves around to cover or uncover the sky! a treat for anyone who might be in civil). There are also other events held here, so keep an eye on the schedules online.

Chinatown

Located right next to campus, Chinatown extends down Spadina from College to a bit past Queen Street. A great place to check out some cool stores with unique wears, get some good (and cheap...sometimes) food, and to just walk around for the fun of it. Just go south from College and Spadina.



The Art Gallery of Ontario

Called the AGO, this recently renovated art gallery is home to numerous paintings and artistic works. Good to bring out the artistic side (sometimes you need to embrace your inner artsie...a bit).

The Royal Ontario Museum

Known more affectionately as the ROM, this is a world-renowned museum. Featuring exhibits from around the world, relics from the past and samples from other cultures, there is always something new to see here. Check rates online to get the low-down on discounted admission and group rates: <http://www.rom.on.ca/>

Harbourfront

A great place to go and relax a bit, the harbourfront offers beautiful views of the lake and Toronto Islands, and is a nice place to go walk around. You can usually catch some sort of festival or display going on, so check it out (or check the city's website) if there's not much else to do.

Centre Island

Centre Island is in fact an island in Lake Ontario right off the shores of Toronto (it is still part of the city). There is a ferry that you have to take to get over (costs about \$5), but once you get there, there is tons to do and see. There are places to have barbeques, a farm, an amusement park, beaches (though the water in Lake Ontario may be questionable), and so much more! A great place to go for the indecisive among us (there are large groups of you, do not try to deny it). Make a note of when the last ferry leaves the island, as the last thing you want is to be stranded.



Nathan Phillips Square

Located right in front of City Hall (and right beside 89 Chestnut), this "square" (not actually a square in terms of shape) offers has benches, a giant fountain, displays of plants, and is a neat place to go hang out. As well, during the winter, the fountain is converted into a giant skating rink! Check the City of Toronto website to see if there are any events going on, as there are sometimes shows or exhibits which happen here.

Dundas Square

Dundas Square, sometimes called the Times Square of Toronto, is yet another place to check out.



Like Nathan Phillips, there are often events going on here or something interesting to be seen. It is located at the intersection of Yonge and Dundas. And if you have some time, take a walk up Yonge Street for some shopping and historical landmarks, such as the former Sam the Record Man location.

Queen Street

Yet another interesting street in Toronto, you can find just about anything here, from high end shopping to eclectic shops selling strange stuff.

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, there is always the movies (AMC at Dundas Square, Scotia Theatres at John St., and other small theatres around). Go discover!

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 Flrosh.
(tune: The Battle Hymn of the Republic)



GODIVA'S HYMN

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

(CHORUS)

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

(OPTIONAL FEMALE CHORUS)

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

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

Rapunzel let her hair down for two suitors down below,
So one of them could grab a hold and give the old heave-ho.
The prince began to climb at once, but soon came out the worst,
For the Engineer rode up a lift and reached Rapunzel first.

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!

ADDITIONAL INFO

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 perform!

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 Skule™,
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 molecule 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!

Joe E. Skule is 100, but he has a heart of gold,
He gave the meds his Skule house when it was 94 years old.
The meds were very grateful, but they have problems with precision,
For they use those T-squares and dividers when making their incisions.

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!

Sir Francis Drake and all his men set out for Calais Bay,
They'd heard the Spanish Rum fleet was headed up that way.
But the Engineers had beat them by a night and half a day,
And though as drunk as they could be, you still could hear them say...

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."

ADDITIONAL INFO

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 & SONGS

Skule™ Yell

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

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?

Mailman

I am happy, I am gay,
I come each and every day,
I'm your mailman.
I knock your knockers, I ring your bell,
Don't you think that I am swell?
I'm your mailman.
I can come, in any kind of weather.
Don't you know my bag is made of leather.
I don't mess with doors or locks,
I just shove it in your box,
I'm your mailman.

Marching Bands

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

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 like hell,
We're going to fly, fly, fly, for every yard,
Circle the ice and hi the tundra hard,
And throw the polar bears upon the ice.

Engineering Drinking Song

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

ADDITIONAL INFO

A Soldier's Tale

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

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

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

Rubber Ducky

Rubber Ducky, you're the one.
You make bathtime so much fun.
Rubber Ducky I'm awfully fond of you.
Boo boo de doo!
Rubber Ducky, joy of joys,
When I squeeze you, you make noise.
Rubber Ducky, my very best friend is you!
One, two, three, four!
Everyday when I make my way to the tubby,
I find a little fella who's cute and yella and chubby.
Rubber dubber ducky!
Rubber Ducky, you're so fine,
And I'm happy that you're mine.
Rubber Ducky, I'm awfully fond of,
Rubber Ducky, I'd love a whole pond of,
Rubber ducky, I'm awfully fo-o-o-o-o-o-o-o-o of
you, too, boo-boo-de-doo!

Why Are We Waiting?

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

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

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

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

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

CONTACTS

Need some help? Here's a list of the people who run things around here!

Position	Name	Email (@skule.ca)
President	Jimmy Lu	president
VP Finance	Kyle Dupont	vpfinance
VP Academic	David Cheung	vpacademic
VP Communications	Amanda Bell	vpcomm
VP Student Life	Wayne Lin	vpstudentlife
VP External	Abhishek Mathur	vpexternal
Archivist	Catherine Kierans	archivist
Cannon Editor	Huda Idrees	cannon
Cannonball Chair	Bernadette Ho	cannonball
Chief Returning Officer	Paul Klunko	cro
Community Outreach	Addie Denison	community
Comp Sys Admin	John Matienzo	sysadmin
EngCom Admin	Eric Bradshaw	engcom
Engineering Stores	Wayne Choi and Landy Cheung	stores
F!rosh Handbook Editor	Hubert Ka	handbook
Gradball Chair	Cyrene Wu	gradball
Hi-Skule™ Liaison	Michelle Chen	hiskule
Ombudsman	Albert Huynh	ombudsman
Orientation Chair	Ines Fernandez	orientation
Professional Development	David Clease	profdev
Skulebook Editor	Charles Huang	skulebook
Speaker	Alvin Ho	speaker
Sponsorship	Samantha Yang	sponsorship
Student Issues	Jiayi Zhou	studentissues
Suds	Franz LaZerte and Ariel Feldman	suds
Toike Oike Editor	Thomas Parker	toikeoike
UTEK Director	Yi-Wei Ang	utek
Webmaster	Rafal Dittwald	webmaster
Blue and Gold Chair	Kathy Grycko and Kevin P. Siu	blueandgold
Chief Attiliator	You Wish!	kaboom
EAA president	Jenn Eversley	eaa
LGMB Leedur	Kevin P. Siu	lgmb
Skule™ Nite Liaison	Alvin Ho and Kat Dagainis	skulenite

ADDITIONAL INFO

Hey Froshies! Here are some helpful phone numbers! Just incase you can't reach the Skule Heroes to save the day. All numbers start with (416) 978 unless stated otherwise.

NUMBERS

Emergency	2222	International Student Centre	2564
Bat Fone (red phone)	1607	Student Accounts Office	2142
Engineering Society Office	2917	Office of Student Affairs	5536
Engineering Stores	2916	First Year Advisor	4625
UTSU	2911	First Chair	4625
UTSU info	INFO	Dean of Engineering	3131
UofT Bookstore	7900	Assistant Dean of Engineering	4941
Career Centre	8000	Robarts	8450
Health Services	8030	Sandford Fleming	6494
Housing Services	8045	Athletic Centre Inquiry	3437
Learning Skills	7970	Recreation Information Line	5845
Psychiatric Services	8070	Hart House Hall Porter	2452
Services to the Disabled	8060	Sexual Harrassment Office	3908
Office of the Registrar	0120	University Omsbudperson	4874
Financial Aid Advisor	7900	University Police	2323
Scholarships & Awards Officer	7900	Math Aid Office	(416) 946 3165
ECF Office	4250	Engineering Career Office	(416) 946 3730
T-Program Coordinator	5909		

WEBSITES

Here are some websites you'll be visiting often for information or just for fun!

www.skule.ca	Engineering Society (Extracurricular Stuff)
www.engineering.utoronto.ca	Faculty of Engineering (Academic Information)
my.utoronto.ca	U of T Account Login (Access to Email Account and other things)
www.rosi.utoronto.ca	Repository of Student Information (Payment Info, Marks, Schedules)
portal.utoronto.ca	Blackboard (Courses information like dates of tests, past tests, course outlines, templates and a forum)
osap.gov.on.ca	Ontario Student Assistant Program (Student Loans)
www.facebook.com	Facebook (Communicate to friends and plan stuff or waste time)



A

Artsci – (noun) Arts and Science student, makes up the bulk of UofT's undergrads. They don't work very hard, don't pay very much for tuition and don't get jobs after they graduate.

B

Barbeque Pork on Rice – (noun) You'll be eating this a lot.

BEvERages – (noun) read between the lines...

BFC - Sorry, typo. I meant to say nothing.

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

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

C

The Cannon – 1. (noun) Skule™ mascot. The best mascot ever, fired at important events. 2. (noun) The "other" engineering newspaper (see entry for Toike Oike).

Calculus – (noun) Scary.

Chariot Race - A race consisting of chariots from every faculty. F!rosh are used as speed bumps.

CHEM - Chemical Engineering (pronounced Phem). See entry for Girl

CIV - Civil Engineering (The kids who build big bridges and buildings cause they like big things and wish they had big things.) If you're white, there's a good chance you're in Civ.

Commuter – (noun) person who sleeps in common rooms, other people's dorms, the Pit, etc. a couple times a week.

D

Dietrich Burbulla – (noun) math prof, also possibly a wizard.

E

EAA – (noun) Engineering Athletics Association. Sports for engineers, run by engineers. NOT an oxymoron.

ECE - Electrical and Computer Engineering (They can program a plane to stay in the air but there is no programming a shower.)

EngSci – (noun) people who thought high school was too easy but are now in way over their head. Occasionally will switch into Min for jokes.

EngSoc – (noun) Engineering Society. Pronounced Enj-Sock. Student government for Skule™. Run by the goldfish that lives in the office.

Epic Fail - A failure of epic proportions.

Ex-EngSci - Engineering Science second year

F

First Year Committee – (noun) where you learn how to get in trouble.

F!rosh – (noun) that's you, silly F!rosh. You get to be a second year when next year's class walks out of Con hall for the first time during 1T0 F!rosh week. Until then, do your best to impress upper years with your antics.

G

Girl – (noun) a Chemical engineer.

Godiva Week – (noun) the first week back of second semester. Things will get crazy...

H

Hardhat – 1. (noun) A necessary device used to protect your noggen. Also a warning call for when jealous, noggen-vulnerable artscis try to steal one. 2. (noun) A forgettable drink.

I

Indy – (noun) industrial engineering. No one knows what they do, we all suspect they make it up as they go along. Often speak Spanish...

ADDITIONAL INFO

Iron Ring – (noun) a \$40,000 bottle opener.

J

Jacket – (noun) Engineering fashion item and symbol. Usually emblazoned with engineering slogans. Only for upper years!

K

Keener – (noun) A person who sits at the front of the class, tries to answer all the prof's questions and gets upset when they "only" got a 90 on the midterm. Usually very annoying.

L

LGMB – (noun) Lady Godiva Memorial Band. The real engineering band. Every engineer is a member!

M

Mario's Bakery - A cheap baking game that was made when Nintendo ran out of ideas.

Mech Eng – (noun) Mechanical Engineering. Mostly dudes. Female Mechs only exist because they've misspelled Chem.

Mice – (noun) UoT campus police. Known to ruin our fun.

Min Eng – (noun) A small discipline that gets tons of tuition money thrown at them because they're so rare. Also, they love rocks.

Math – (noun) What you'll be doing all the time from now on.

MSE – (noun) Material Science Engineering. Like Chem, but not!

P

The Pit – (noun) Basically the best place ever. You should spend all your time here. It's like headquarters for awesome. Located in the basement of SF.

Q

Queen's – (noun) Another big engineering school. Skule™'s big rival. The only other engineering faculty that even comes close (but is still pretty far) to Skule™ for spirit.

S

Segmentation Fault - A programming error that is impossible to find and it is usually quicker to start over. Often causes insanity.

Shower – 1. (verb) To bathe. 2. (noun) What ECE's should remember to do.

Skule™ Nite – (noun) What happens when engineers take over a theatre for a week. Side effects include laughing till you puke and reciting lines from the show for weeks afterwards. Flrosh get free tickets!

Spatula - (noun) a spatula is to indys as calculators are to other engineers; a tool to get the job done.

SPS – (noun) School of Practical Science. Olde-timey speak for Skule™. Occasionally seen on upper year jackets (see entry for Jacket).

SUDS – (noun) Engineering's very own (pre) pub that runs from 3 to 8 on Fridays in the SF Atrium. Cheap BEvERages and good times. Special events often run at the same time.

T

TrackOne – (noun) A discipline for the indecisive. All silly Flrosh.

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

U

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

UTSU – (noun) University of Toronto Student Union. Student government that all undergrads belong to. They don't really do anything, except take our money. Used to be known as SAC, but that sounded too much like genitalia.

W

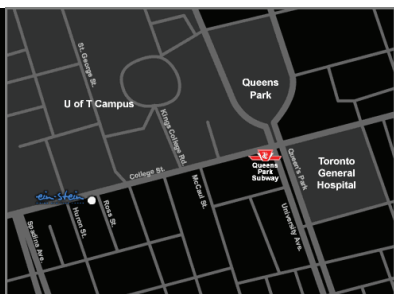
Waterloser – (noun) A Waterloo engineer. No school spirit. Aren't you glad you didn't go there?



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Registration: Engineering students may now participate in one or both programs.

Registration and payment for PEY and/or eSIP is via the Engineering Portal
@ <http://www.apsc.utoronto.ca/portal/>.

Contact Information:

Sheri Browne-Howe

Career Counselor

E-mail: sheri@ecf.utoronto.ca

Tel: 416-978-3454

www.pey.utoronto.ca

Contact Information:

Julie Stevenson

Student Coordinator

E-mail: Julie@ecf.utoronto.ca

Tel: 416-946-7199

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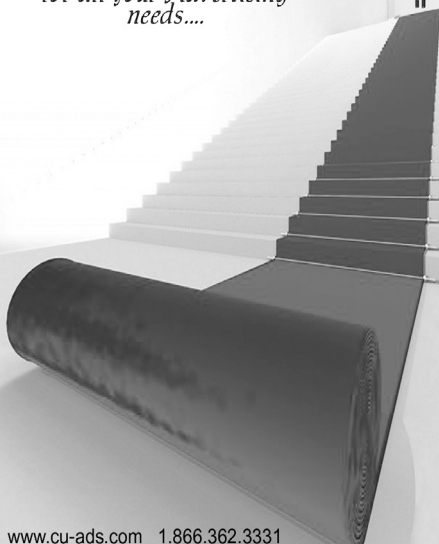
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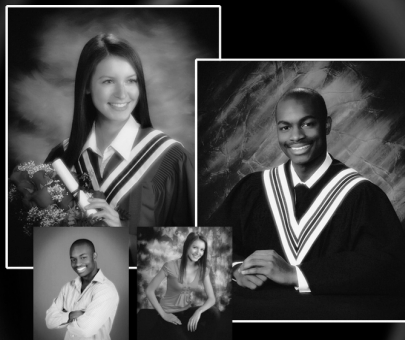


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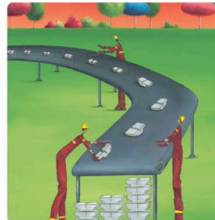
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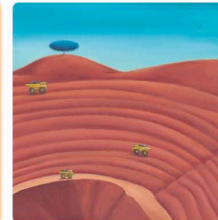
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