

# Dick<sup>and</sup> Jane

GO TO SKULE™



UNIVERSITY OF TORONTO ENGINEERING SOCIETY  
FIROSH HANDBOOK OT9

**Tired of being chained to the stove?**

# F!rosh Handbook 0T9

## Dick and Jane Go to Skule™

See Dick.

See Jane.

See Dick and Jane go to UofT Engineering.

"See the engineers," said Jane.

"See all of the fun they have," said Dick.

"There is an Iron Ring," said Jane,

"I want an Iron Ring,

Oh, I want to be an engineer!"

"Oh Jane," said Dick.

"We have the Handbook.

It will help us be engineers!

And it's retro for that

extra-spiffy-factor"

Jane said, "That is good.

I am happy we have

the F!rosh Handbook!

Let us go read it!"

See Dick. See Jane.

their Handbooks.



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And now for something completely different....

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# Staff Extraordinaire

This handbook  
was originally  
run by under-  
paid Grunka



Lunkas. Unfortunately, they all unionized and left the publication business for good. To combat this issue, a staff of students was recruited under the pretense of this counting as a course credit. Apparently, we've been had...



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## Special Thanks To

Topaz Chiu, Adam Trumpour, Nick Loberto, Ellen Chan, Henry Cheung, Cecilia Pang, Ian Schwartz, John McLeod, Zenzo Wysocki, Brent Peers, Peter Li, Jessica Hedges-Chou, Chris Doan, Lamar Lugli, Cheryl Stewart, Mark Belvedere, Handbooks OT5-OT8, Jeff Cornthwaite, the Chief Attiliator, Mario Baker and Nintendo® (Namely, 'Super Smash Brothers Melee')

The editor thanks the officers, club chairs, and other representatives who contributed materials relevant to their respective organizations.

# Engineering Code of Ethics

We, the students of the Faculty of Applied Science and Engineering, by virtue of the privilege of being here, represent Skule™ to the larger society.

We have, therefore, a special duty to exemplify the best qualities of the Faculty and to observe the highest standards of personal and professional conduct. In so doing, we promote ourselves and the merits of the University, the Faculty, and the Engineering Society.

### In our words and actions:

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

- We respect all individuals without regard to race, colour, sex, creed, sexual orientation, ethnic or national identity, disability or age.

- We uphold the reputations of other students and respect them

- 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.

# Editor's Message

dramatic fights with novelty plastic swords, and ones of trips to Frans Restaurant at 3:00am, the Frosh Handbook OT9, is finally done. All that work, and it finally makes its way to you, the incoming Frosh, you with your eyes all wide and sparkling with the expectations of youth. And look, your handbook is even done up all nice-like in a comfy fifties style (By the way, don't ever say it's easy coming up with fifties slang, you can only use "Golly-gee" and "Neato" so many times before freaking out).

Normally this is where I impart some valuable wisdom I have gained from my experience at Skule™ (That's the metric spelling of "School" kiddos, and look, it's trademarked!) and give you some universal advice that you will be able to take with you into future years. However you'll be getting your fair share of that from other people further on the handbook (Check 'em out, they're really cool people), so I'll just treat this page as my own little play place (Reminiscent of that ball pit at McDonalds you secretly yearn to go into, but know you can't because last time the manager asked you to kindly step out and let the children play there instead).

Let me start by saying this, if someone ever tells you "Pffft, you don't need any experience to make <Insert Publication Here>", they're filthy liars. However, it can be done, I happened to be very lucky and had an amazing team working with me this year. All of whom were willing to go that extra mile, pleased to work that extra hour, and jumping on that chance to play that extra round of Nintendo®'s 'Super Smash Brothers Melee'. My assistant editor, Chi-Hay Tong, was my saviour, and one of the only reasons this handbook even got out. We spent many hours discussing what we were going to say to you, and after much debate and thought, we agreed that our joint message to you is this: We are two very, very tired editors.

Besides the fact that my staff was super-duper-awesome and three times more attractive than myself (That fact of which I am still bitter about), this handbook is here because of our dear Skule™. Skule™ is an amazing place. There's tonnes of great people to meet, and a whole load of things to get involved with (Some of which are mentioned in this handbook, go see it after this message, since there's really no point reading an 'Editor's Message' if you don't intend on reading at least part of the publication). I urge you to get up close and personal with Skule™, get to know Skule™, try hanging out with Skule™, even take Skule™ out to dinner if you so wish. Just have fun with it, there is a life outside of class, and it's there for the taking.

In terms of academic advice, all I have to say is this. When life gives you lemons... before making lemonade, you still need to find someone whom life gave sugar, someone whom life gave a juicer, someone whom life gave water, someone whom life gave a mixing spoon, and someone whom life gave a pitcher. You've got to learn to work with people, because you're all in this together, might as well pull each other through and help your fellow engineers out.

In conclusion, it's very early in the morning, and this handbook is due out to the publisher in an hour. So this is your Frosh Handbook OT9 Editor, signing off, and passing out from exhaustion. See you all at Skule™ next year!



Handbook Editor  
Sarah Ranco  
MEM OTS

# Orientation

He found things for F!rosh Week. **A Busy Week**

Look, look! Dick has found things.



Clang. Clang!

Clang, clang, clang!

S-s-s! S-s-s! S-s-s!

All the F!rosh leaders on front  
campus were very busy.

They worked and worked.

The girls made group signs.

The boys made F!rosh kits.

Then they dyed themselves  
bright purple.

"This is fun," said Jane.

"It is fun to get ready  
for F!rosh Week."

When F!rosh Week started,  
the leaders went to play  
along with their groups.

"Go, Sigma." said Jane.

"Go, Delta." said Dick.

"Go, Gamma, go!" said Sarah.

And away went the groups.

They went very fast.

They went to have fun.

All during engineering's  
Orientation Week.

# Welcome! *From your Orientation Chairs*

The Orientation Chairs are the keenest



keeners you've ever keened! They love laughing, and singing, and pup-pies, and everyone!



Hey Frosh OT9! Let's take this opportunity to introduce ourselves, we are your Orientation Chairs. What is orientation you ask? You'll come to know it as Frosh Week, the most amazing week of your life.

Here you are on page 6 thinking, "Wow, just look at the size of this book! UofT seems ever-so big, and this handbook is ever-so crammed with information! Whatever shall I do?" Don't worry, we've all been in the same frame of mind.

So, what exactly can you do? How does one get a better feel of all the different things in engineering, and what Skule™ Spirit is all about? Simple, Frosh Week! We'll walk you through everything. Whether it's the location of your classes or the nearest gym, or all the Skule™ clubs and sports teams, you'll be introduced to whatever your little heart desires (Ever heard of broomball or inner tube water polo? That's what I thought).

Since its beginning, UofT Engineering has been one of the most spirited faculties, not only of this university, but of all the universities in the province. We have many proud traditions, and it's up to you to carry them on. Frosh Week is a great way to get a preview of what our faculty has to offer both in and out of the classroom. Orientation is a no-pressure, all age's week of fun activities. We hope to see you there!

Hey Kids!  
Don't forget  
to buy your  
frosh kits  
online! They  
sure are  
swell!



Orientation Chairs  
Luke Wesley Steph Whitehurst  
MECH OT5 + PEY ENPY OT7

## Orientation Checklist

Right now you're all like "Gee-whiz! What do/don't I bring with me to Orientation?". Never fear, your friendly neighbourhood Orientation Chairs are here! And they packed you a lunch too!

### Bring/Wear:

- \$90 = 9000¢ (But not in pennies)
- Clothes to get dirty in, they WILL get dirty!
  - Pre-Order Receipts
  - Underwear
  - Skule™ Spirit! (Tonnes of it!)

### Don't Bring:

- Electronic equipment, including cell phones
  - Anything of value (\$\$\$, or sentimental)
    - Your parents
    - Extra baggage
- Decent clothing, fancy-shmancy frocks, spiffy suits, anything you wouldn't want to see dirt or bright purple dye on.

Below is your Frosh Week Schedule for the week of September 6th. A sure way to become keen on Skule™ spirit is to show up at as many events as possible. The only thing you'd regret is that a day only consists of 24 hours, and as omnipotent as the handbook staff is, there are some things even we can't do.

	Tuesday	Wednesday	Thursday	Friday
8	Arrive at Con Hall			
9	Matriculation	Secondary Education Evaluation	Class	Class
10				
11	Campus Tour	Survival Session		
12		Lunch	Departmental Lunches	Club Activities
1		Super-Happy-Fun Time		
2	Frosh Picture		Blue & Gold Bed Races	Scavenger Hunt
3	Downtown Walkaround	Frosh Olympics		
4			EAA Day	
5				
6	Dinner			
7	Tutorial			
8				
9	Blue & Gold Movie	Frosh Nite		
10				
11				
Late				

Hey there!!!  
Hold your horses buster.  
Frosh week doesn't simply end. The week continues September 17<sup>th</sup> with Hart House Farm. It's totally boss (aka. fun)! You should all come out.







Lucy,  
I'm  
home!



.....  
What's with all these  
UofT EngSoc hard-  
hats? And why are they  
in so many colours?  
Lucy! You've got some  
explaining to do.

Whaaaaa!!!! Okay Ricky,  
I'll explain what each hardhat colour represents...

### **Black The Cannon Guard**

These ones go to those who protect our Mighty Skule™ Cannon, who also wear black coveralls while on duty. This ensemble includes the Chief Attiliator, who is the principal guardian of the Cannon. He is the only one who knows where the Cannon resides, and the only one who gets to wear a very stylish black hardhat with a silver facemask... C'est Chic!

### **Fluorescent Orange The Bnad**

These hardhats go to the Leedurs of the Lady Godiva Memorial Bnad (Seenyur Leedur, Junyar Leedur, and D(r)umb Major). Only those who are highly skilled in musical talent can obtain one, or in the absence of such talent, someone who can at least keep a beat. These renegade musical terrorists bring Skule™ spirit to your lecture halls, front campus and Toronto streets.

### **Light Blue, Dark Blue & Silver Wholly Non-Existent**

Hardhats such as these do not exist, never have existed, and never will exist. However, if they were to exist, which they most certainly do not, the silver hardhat would not

belong to Mario Baker, who isn't referred to as da' Chief. The dark blue hardhat does not belong to Mario's Ass... who surprisingly enough does not wear it on his head, and the light blue hardhats have never, ever belonged to the ministers of the BFC. 'Nough said.

### **White Executives**

The white hardhats belong to the officers of the Engineering Society. There are four nifty vice presidents who get them. The President gets a white Fireman's hardhat which must be worn at all council meetings to protect us from a potential nuclear attack.

### **Orange Organization Leaders**

Elected leaders of student-run clubs and organizations officially recognized by Skule™, some of which can be found in the handbook are given this hardhat.

### **Green Publications**

These hardhats are given to the super-talented editors of Skule™'s publications, including, The Toike Oike, The Cannon, Skule™Book, and the Frosh Handbook (huzzah!). These

hardhats help them manage the intense workload, while still maintaining their creative charm and good looks.

### **Avocado Communicators**

Not to be confused with the green hardhats, there are a total of five avocado hardhats. The avocado hardhats are given to the Engineering Communications chair, the Webmaster, the Archivist, the Computer Systems Administrator, and the Speaker.

### **Red Skule™ Nite**

Skule™ Nite is the most incredible show you will ever see; it's a musical comedy put on by the Engineering Society every year. The Director, Producer, and Master Carpenter are each given a red hardhat for their undying commitment to producing such an excellent production, go see it... now\*! (\*"Now" subject to change until spring 2006.)

### **Blue & Gold Mr. Blue & Gold & Godiva's Crown**

Some of the classiest hardhats around, the winners of Mr. Blue & Gold and Godiva's Crown each receive a hardhat for their efforts. Upon wearing said hardhat, Mr. Blue & Gold must drop his pants on command for an entire Skule™ year.

### **Beige Suds Managers**

One of the most important responsibilities at Skule™ is that of Suds managers. Along with the ability to ensure fun for everyone at Suds, the two managers are given beige hardhats. Suds is the home away from home for many an engineer after an exhausting week of problem sets and mid terms.

### **Gold Competitors**

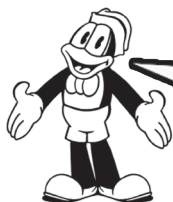
The president of the Engineering Athletic Association (EAA) is given a shiny gold hardhat. They ensure all Skule™ athletics are running smoothly throughout the year.

### **Maroon Stores**

Manager of Engineering Stores are granted maroon hardhats. They make sure Engineering Stores run, and run well. They provide everything from writing and drafting supplies to various Skule™ paraphernalia.

### **Yellow Standard**

This one's the standard hardhat given to Frosh during orientation week. They're mass-produced and left undecorated, so you're encouraged to decorate it so you can stand out from the crowd.



## Uh-Oh!

**EngSoc's at it again!**

A whole new slew of hardhats could be coming your way next year. Be sure to look out for burgundy (social clubs), brown (cultural clubs) and grey (professional clubs). Also look for additions to gold and green!

\*Colours subject to change... those goofs.

## Skule™ Traditions and History

As engineering students, you will face some pretty tough academic times



– no sleep, failed midterms, design projects that don't work. Almost all of us at one time or another have asked, why am I here? For some, that's an easy question. They'll say they're here to work hard, get good grades and to end off with a degree in their hands. While that is an important part of it, anyone who leaves Skule™ with a mere degree has missed out on the best things Skule™ has to offer. Skule™ is the oldest engineering school in this country, with traditions that have developed over the past 130 years. There is an incredibly strong bond that joins all generations of UofT engineers, both past and present. When you come to Skule™, you have the opportunity to become part of this, part of something larger than yourself. You have the chance to write your own page in a book that has been growing for more than a century, and that's a pretty amazing feeling. You can have your own part in shaping the legacy that we all share as UofT Engineers. It's a legacy we can all be proud of, take part in, and leave our own marks on. Here's just a few answers to some questions you may have, and for more, go to [traditions.skule.ca](http://traditions.skule.ca).

### *The Story of Lady Godiva: and why a brand is named after her*

Well, Godiva was a lady, who through Coventry did ride, to show to all the villagers her fine and lily-white hide... (continues on page 74). The song pretty much tells you what she did, but doesn't really explain why, and why we consider her the symbol of engineering. The story dates back to the 11<sup>th</sup> century, when a lord by the name of Leofric governed over the city of Coventry. The people of that city were suffering horribly under his oppressive taxation, and, his wife, the Lady Godiva took quite a concern to this. She appealed again and again to her husband, to not much avail, but at last, he said he would grant her request if she would ride naked through the streets of the town. So she took him to his word, and rode through the town, clothed only in her long hair, and the villagers, in respect for what she was doing, all averted their eyes. As such, the lord kept true to his word, and lowered the taxes.

This story, though somewhat considered a legend, has quite a bit of meaning to engineers. Having the Lady Godiva as a symbol shows our willingness to sacrifice anything to ensure that the lives of others are better. It shows our humility, and duty to the people.

### *The Story of the Iron Ring: golly gee, that Iron Ring sure is spiffy!*

The Iron Ring. It is the culmination of four (or more) years of grueling engineering education, and the most sacred Canadian engineering tradition. This simple ring of iron, worn on the little finger of the working hand, marks each one of us as Canadian engineering graduates, binds us, and above all, 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 and the secret ceremony in which it is presented ("The Ritual Calling of an Engineer")

trace their inspiration back to the construction of the Quebec Bridge in the early decades of the 20th century. Spanning the St. Lawrence River just outside Quebec City, it was to be the longest bridge ever built. But on August 29 1907 just before construction ended for the day, disaster struck. Two compression members in the south anchor arm of the bridge failed, the structure collapsed, and when the dust settled, 75 construction workers were dead. Problems continued to plague the bridge when, during re-building in 1916, the centre span of the bridge collapsed. When an inquiry, under the leadership of John Galbraith (of Galbraith Building fame), was called to investigate the cause of the collapses it was discovered that errors made by engineers in the bridge's design were responsible for the disasters.

In the wake of these disasters, UofT civil engineering professor (and first student president of EngSoc) H.E.T. Haultain spoke in 1922 before seven past presidents of the Engineering Institute of Canada. He felt that young engineers beginning their professional careers should be reminded that being an engineer brings with it great responsibility and a deep moral obligation to society for the things they create. With their endorsement, he wrote to Rudyard Kipling, the famed British poet. After giving the matter some thought, Kipling devised the Ritual Calling of an Engineer and the Iron Ring that lay at the heart of it, and this tradition has passed down virtually unchanged to the present day, uniting generations of engineers just like yourselves, and reminding us all that we owe it to society and to ourselves to always act in a responsible and ethical manner, for the betterment of all.

### *Purple Dye: and why it ends up on us*

Purple has been long considered a colour of royalty, wealth, and honour. But why body colouration as opposed to a simple classy brooch? Heck, we're university students, and well, there are many stories that tie engineering faculties together from all over, but here is the predominant one.



Legend has it that during 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. Like a tireless colony of ants, 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 bore a bright purple patch on his right arm, just below the shoulder.

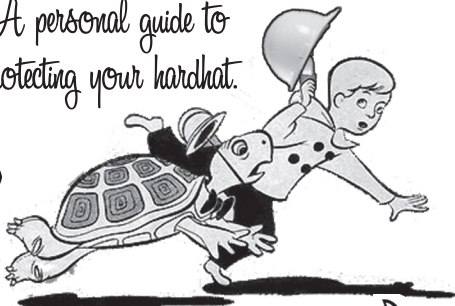
Alas, the sweat, grime and bilge water in the engineers' work environment resulted in a hefty portion of the bright purple dye from the badge transferring from badge to skin. This allowed engineers to proudly wear the colourful mark of their profession, with or without their uniform.

Royal engineers, being the honourable people they were, 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.

As rich and colourful as the history of purple dye is, dyeing yourself during Frosh Week is not mandatory (although it does show Skule™ spirit!). If colouring your whole torso is a bit too risqué for you, consider only dyeing a portion of your body (an arm, a leg...). Expect to remain purple for a few days, depending on how vigorous, efficient and skilled you are with a loofah.

# "Duck and Cover"

*A personal guide to protecting your hardhat.*



There once was a Ffrosbie by the name of Bert,  
And Bert the Ffrosbie was very alert.  
When his hardhat was threatened he never got hurt,  
He knew just what to do....  
He'd Duck and Cover!



Ffrosch Week sure is keen, but we must also be prepared for a very real danger, the theft of hardhats. Engineers are the classiest gents and dames around, however other faculties (ie. Artsies) can be real party poopers and try to steal your prized brain bucket.

Now Bert here, he's a very, very careful 'fella. When there's danger from a hardhat-stealing artsy, he has a way to keep his precious headgear to himself. First he'd duck, and then cover.

Your group leaders, or folks in coveralls, will do everything they can to warn you before a hardhat escapade starts up. Always remember though, the theft of a hardhat can come at any time, no matter where you may be. Then the first thing you would do is duck and cover, fast, wherever you are, there's no time to look around or wait. Be like Bert, when you think you're in trouble, duck and cover, and do it fast!

Getting ready though, means we will all have to be able to know what to do at all times. Someone may try to take your hardhat if you're straying from your group. So stay close and guard your hardhat at all times with proper handling technique. Provided that the duck and cover method fails (as it is wont to do), you should yell out "HARDHAT!" as loud as possible and point in the direction of the fleeing perpetrator. Chase will ensue, and when the danger is over a friendly group leader will happily hand you back the recaptured hardhat.

The leaders jobs are to help protect you when you're in a sticky situation, so trust your group leaders. If you have any questions in protecting your hardhat, ask your leader during Ffrosch Week. Discuss what you could do in different places if the problem arises. Engineers will help you, as they always do, but they might not be right there when something happens. So remember what to do friends, now tell me right out loud. What do you do to protect your hardhat?....

# "Duck and Cover"

(Always carefully guard it, stay close to your group, and yell out "HARDHAT!" if there's trouble)

Hey Kids! Always remember your Hierarchy of Protection! A truly nifty person would protect what's important.

....

The Skule™ Cannon  
The Engineering Flag  
Non-Existent Hardhats  
The Enad  
Your Hardhat  
You!





# Academics

See Spot. See Spot learn. Learn, Spot, learn.

## Jane Wants to Study

Jane wanted to study and have fun.  
She wanted to study with her friends.  
"Study, study" she said.

Her friends said, "We cannot study Jane  
We have work to do.  
We cannot stop to study with you.  
Go away, little Jane."  
And Jane went away.

Jane went to engineering.  
She saw the big textbooks and the  
Regulation calculators.  
They all metaphorically  
said, "Study, study."  
They all wanted to  
work with Jane.

She wanted to say,  
"This is fun.  
I can learn  
from the textbooks.  
I can use the  
regulation calculators.  
I can study in  
engineering."



# Timetable Know-How

Your lunch is  
packed, your  
slacks are



pressed, and your scooter is oiled. But where do you go?! This is where your timetable comes into the picture! It helps you deal with where to be when (this can be hard sometimes)! Neat-o! A keen understanding of your timetable can be achieved through this handbook! You'll find all the questions you ever wanted answers to answered. Isn't that a neat little system we've got here?

## Laboratories

Your timetable's going to have these funny things called "Practicals" all over it. At first you'll have no idea what a "Practical" is and spend many a minute searching your dictionary for the answer. Well it's not there, we checked! So don't waste minutes of your life that can be saved for something more useful! Keep reading more of this handbook for the answer(s)!

A practical, commonly referred to as a lab, are your lab periods where, oddly enough, activities of the laboratory nature are performed. These periods will only start after you've attended the first lecture in the corresponding course. Labs are more often than not, very useful, and are usually difficult to skip and make up, and are, more often than often, worth a load of marks. Go to your labs, attempt to do them on your own, and remember to duck and cover in case of an emergency!

## Tutorials

Tutorials can either become the most helpful section of your course, or the most useless. Theoretically they're meant to expand or enforce ideas presented to you in lectures... theoretically. In factuality, your best bet is to go to a couple sessions first, and then decide whether they're worth your time. It could very well be that you'd be better off in the library doing the problem sets on your own. Don't be one of those hipster kids who's too cool for tutorial!

Another thing to consider is whether or not the tutorial is mandatory and involves quizzes or assignments. If that's the case, you'll need to decide whether it really is worth skipping. When in doubt, however, you should just attend since you already paid for the sessions, might as well use them.

## Lectures

Lectures are the bulk of your courses. In general they're really quite spiffy, but sometimes you'll find a little voice in your head whispering sweet nothings to you about skipping them. And sometimes you'll think of nothing but iced cream and turkish delight... The difference between here and high school is that you can choose to listen to that voice and not worry about the consequences of getting caught while playing [hookey]. Attendance isn't mandatory, but choosing to follow that little voice can be bad news, you can fall behind very fast and that can lead to failuresville, which definitely isn't cool. Make sure if you do ship out on class, to have a hep friend willing to lend you their notes, and tell you if anything important happened, like if an irrate sheep ran into the lecture hall and chased the prof out the door, or something of that nature. No irrate sheep were harmed in the making of this handbook but one of them had a really good time.

# Academic Survival

School sure is hard!  
This itsy bitsy chapter's made to help you  
pull through in style.



## Textbooks

There comes a time in every student's life when the dream of owning your own textbook becomes a reality. Imagine the joy of being the first person to open that tome of knowledge, and hearing the crack of the spine as it gives in to the power you wield. That feeling will end the second you realize you're spending hundreds upon hundreds of dollars on paper! Therefore it is in your best interest to not buy your textbooks beforehand, regardless of what anyone else says. Even when a prof tells you a book is required, the chances are it will never leave its cellophane wrapping. So ask upper years and nose around to see what books really are worth the money.

If finally you decide the book is required, and you have put off buying it for exactly two months from the start of school, then it is time to go out into this world and purchase said textbook. Whether or not you decide to buy the book off the shelf or second hand, you first need to get some street smarts on where the hippest cats get their hookups to textbook-ville.

To start us off, there's much to be said for the grandeur of a used textbook. Not only is it cheaper than buying brand new hot-off-the-press, textbooks, but it also has the perks of obtaining hints, notes or even labs that these upper years had to endure not to long ago. Come the start of class, flyers of all shapes and sizes will be found posted on any wall space available offering excellent prices for used textbooks. Also, most disciplines organize a book smoker (where smoking is strictly prohibited) where you can find cheapie used books and pizza!

If used textbooks aren't your thing, than slightly-more-expensive-but-still-cheaper-than-the-normal-means-of-obtaining-them books may be the answer for you. Your first stop should be Engineering Stores, located in the basement of SE Aptly named, Engineering Stores caters only to those truly worthy of excellence: Engineers. Stocked with a tonne of first year titles, these are the cheapest deals you can find without having to tutor Ryerson engineers for petty cash. They also offer a plethora of casual wear for the engineer on-the-go. This place should also be your number one stop for anything out of the ordinary that the professors may require you to buy.

Another option is the Discount Bookstore, located at 299 College Street, otherwise known as the basement of the building next to the parking lot on College St. Confusing? Well we try our best. It's more or less directly across from the UofT Bookstore, so it isn't that hard to find. In any case, the search is usually worth it since they have very good deals on new textbooks. The downfall is that they may not carry all the books you want; take a look around regardless, since it's cheaper than the last alternative.

The final alternative is the UofT Bookstore, and should be used only as a last resort. Situated on the corner of St. George and College, this place caters to every student at UofT. In this store where paraphernalia lines every wall, anything you need for your classes, including textbooks, can either be found here or ordered by them. The second floor is an actual, bonafid, bookstore; and as obvious as that may sound, it's a little known fact to students who never venture past the textbook & stationary floor. Just be careful, because regardless of how convenient a one-stop shopping centre may sound, the allure of this store may lure more money out of your wallet than you would have wanted to part with. you would have wanted to part with.

## Classroom Etiquette

It all comes down to a matter of proper etiquette. Some people have it and know how to use it; some stumble, fumble, and all together fail in this particular skill. We're not talking about the kind of etiquette that lets you know which fork to use for the salad, or just how many foot shuffles are required for the proper execution of the foxtrot; we're talking about the kind that lets you know how to act in a class setting. Classroom etiquette, there is such a thing and it's best you learn it if you haven't already.

First of all, you're there to learn not to try to prove to the professor that you've spent the last two weeks in your room alone, reading the textbook religiously. Chances are you don't know more about the subject than the professor, and your endless questions, challenges and "helpful comments" during class, will do nothing more than make you 100+ more enemies than you'd care to have. If you really feel the need to express your vast amount of knowledge, do it on your own time after class, not when everyone else is trying to learn.

Secondly, as great as it is to have friends, the whole class doesn't need, or want, to know about how popular you are. Turn off the cell phone; the world won't end if the cell is off for an hour. Along the same line, pay attention in class and don't start chatting with people in the middle of lecture. It's annoying to those around you and muffled giggles are easily silenced by spit balls to the back of the head.

By the by, you must realize now, you're in university, there's no such thing as "Miss, or Sir" anymore. Get into the habit of saying "Professor", unless the instructor says you can call them by another title, professor will be the only thing you're calling your teachers henceforth. Finally, come to class, even more than that, come to class on time. Nothing is more annoying than the sound of someone trying to "quietly" slip into class fifteen minutes late, while climbing over everyone to get to a seat. An easy way to remember all this is to remain as quiet as possible, and think thirty times over before saying something in the middle of class.

## Things to get before classes

**Calculator:** There are three models of calculators you are allowed to have and are as follows: Casio 260, Sharp 520, and Texas Instruments 30. Any trailing numbers or letters are irrelevant. Make sure the calculator you use is allowed, since it will almost definitely get taken away from you come test time, leaving you with only ten digits to calculate the second moments of inertia.

**Various kinds of paper:** Lined paper, graph paper, toilet paper, civ paper. It's all ever-so important, and can all be found at Engineering Stores (minus the toilet paper, the staff suggests Cottonelle: feel that cottony softness).

**Stationery:** Pens, pencils, erasers, white-out, highlighters, and all that other neat little things you love to shop for. Don't forget to buy a ruler, although for most classes the fancy math sets that include protractors and compasses will not be needed.

**Agenda:** An agenda is a good thing to have, nay, one of the most important things to have. Do not, we repeat, DO NOT rely on your memory. Memories have a funny way of clearing themselves once in awhile, leaving you helpless in remembering what room your midterm is in, and how it coincides with that lab report you've been putting off for the past two weeks.

**Study space:** A decent study space is essential, and will become important when your first midterm rolls around, so find your perfect spot now! Possible locations include, but are not limited to: the Atrium, your common room, and the 2nd last stall in the bathroom.

# Anti-Calendar

Golly, but those first year jitters sure can be hard to overcome. To help you turn into the hep cat of preparation, we've compiled a years' worth of course savvy onto seven

little pages. Aren't you glad you have such a spiffy group of friends like the handbook staff? If we were you, we would...



Disclaimer #1: These anti-calendar course descriptions are based on how classes were run in the OT4-OT5 Skule™ year, and are solely the opinions of various contributors who may or may not see the world through rose-tinted glasses. In any case it's hardly a decent shade of rose for tinting glasses, if we had to define the colour, we'd call it more of a maroon, or maybe mauve? Chartreuse perhaps? ..... This just in, we are also not liable for the misuse of clichés or our inadequacy in colour recognition.

CHEM  
CIV  
ECE  
INDY  
MECH  
MIN  
MSE

## APS 105J/S: Computer Fundamentals

If you have programmed before, this beginners' Java course will be a piece of cake; just brush up some sorting algorithms and you're set. To you, the lectures may be boring, but try to refrain from asking questions that go beyond the scope of the course. For those who've never programmed before, the textbook will be your new best friend. It's designed with you in mind. You'll find examples that are 90% similar to what you're assigned, so if you're ever stuck on an assignment, you know where to go.

For the midterm and final, get ready to code, for those who haven't stayed on top of things, we pity you. When faced with a problem, break it down to its bare bones, and try your best at coding it in sections – it's better to write a little something that works rather than a lot of something that doesn't. If you're hopelessly, unbelievably lost, leave nothing blank, write loops, declarations, pseudo-codes, stick figures, anything! It may just get you enough part marks (Disclaimer: We are not responsible for the inevitable trouble of someone relying solely on marks brought about by figures of the stick nature)

## APS 106S: Fundamentals of Computer Programming

This course is designed in mind of those who know nothing of how programming works and possibly will never want to know. However it's strongly recommended that those who are not coding savvy grab a self-help C programming book from your nearest store during the summer, or the fall term. It'll make life so much easier and save you any unnecessary stress you may run into later on.

The first half of the course drifts by slowly, with each lecture building on the one before it. After the midterm though, things start to pick up. This means that it's time to kick it into gear and start doing those assigned problems you've been putting off for "a rainy day". Go to every lab, otherwise, you'll get docked potentially easy marks. Never cheat, you will get caught. The term project is definitely something you do not want to leave to the last minute. Staying up until all hours coding, and then debugging until you cry isn't a fun way to spend a night.

The concepts may be hard, but don't worry too much. The exam isn't out for blood – in fact it's fairly straightforward. (Not to mention that studying using past exams can quite possibly do wonders to your average)



## APS 111F: Engineering Strategies and Practice I

This has been a pilot course in the works for the past two years now available to you all, oh joy! You're either going to love this course or hate it, there's really no way around it. You will however, all be unanimous in your dependence on PowerPoint lectures, it seems this course thrives on them. You will learn about a lot of things that sound really impressive, like engineering design, team dynamics, and creating conceptual design specifications, but most of it takes a little common sense and a lot of memorizing.

Within the first weeks, you will be assigned a group, and a term long project, bringing us to the importance of tutorials. They are valuable work time for you and your group, so don't be the jerk that doesn't show up, thereby angering all your team members. The TA's and professors are very helpful during these sessions, and you get a nice little sheet at the beginning of each tutorial telling you exactly what to do. This is all well and good, but there will be a day when someone pulls the rug from under you and you're left with a pile of assignments due the next day. To boot, you had misunderstood the project outline, and wasted the past three months designing an 'accessory' for a pet iguana rather than a 'toy' (Yes, there IS a difference)

You use your calculator for a sum total of.... one time in the exam, so be prepared to write like nobody's business. Depending on how fast a writer you are, there very well may be no time to even blink, unless you can sufficiently write while your eyes are closed. However, do take the time to proof-read, since you will be docked marks for poor writing skills.

## APS 112S: Engineering Strategies and Practice II

This course is essentially the same as ESP I, so you'll find the repetitiveness of the material from ESP I affirming. There's a very good chance you can have a pretty decent mark in this course if you are so inclined. New topics will include the delightful antics of Mr. Human-Factors-Engineering, and the wackiness that is project management.

In following with the ESP I tradition, you are presented with yet another time-consuming design project, only this time you will have a real client, and a project manager. At the end of your semester, you will have your portfolio due, that's your notebook that kept track of everything relevant to your project. It's worth 30% of your final mark, so make sure you keep your notebook up to date. What's the upside to all this madness you ask, well let us refer to this simple equation, portfolio = no exam. The point still stands though, you'll be working your little butt off more here than in most other classes, be prepared to be all you can be.

## CHE 112F: Physical Chemistry

If there ever was a phrase that should be feared, it would look a lot like, "Welcome to Phys. Chem.!!" Never have calculus and chemistry come together in such a brutal mangling of equations and theories. This course will make

you question not only your sanity, but just how much you really know about chemistry. Trust us, you really do know chemistry, this just happens to be the ugly child of chemistry no one ever told you about. It starts off with concepts you were taught in high school, only it's an in-depth look at the in-depth look of said concepts. All the while, you're introduced to mind-twisting derivations to crazy-looking equations. Try to wrap your mind around them as best you can and continue onwards.

The textbook is a good one, specifically created for this course, so everything in it is important. Beware the chapter questions – sometimes the answer can be so easy, but for the life of you, you won't be able to solve it. The tutorials are only useful for those who actually did the work beforehand. That means do your work and do not fall behind, doing so is a death sentence. (Easier said than done, we know) The exam is a barrel of fun \*insert sarcastic laugh here\*. Probably the hardest exam you'll write in first year, your best bet is to come so prepared you can solve Gibbs free energy questions in your sleep.

### *CHE 113S: Concepts in Chemical Engineering*

You've trekked through the perilous territory that was CHE112, and now you are rewarded with.... chemistry that has nothing to do with CHE112. Hooray! This class is slightly different from other courses since this one's split up into three sections, environmental engineering, biomedical engineering and data analysis & statistics.

Designed to introduce you to some of the options available in chemical engineering while teaching you fundamental concepts you'll be using in future years, this class can at times, bore you to tears (mass transfers, dry mass calculations, standard deviation... we felt your pain). Don't skip – going to each class is important, since the textbooks are more or less, non-existent. This also reinforces the need to go to tutorials, since they'll provide the most help for you in doing well in the exams, plus there are usually quizzes at the end of each tutorial period.

Rather than a final exam, you have an exam at the end of each section, the final 25% of your mark comes from your labs. Use the labs to boost your mark up, and start off with a good mark in your first section to help keep you going through the class. Don't despair if you do poorly in one section, there's a very real chance you'll end out coming out on top when all is said and done.

### *CW 101J: Structures, Materials and Design*

Before we even start you need to know three things in this course to survive, 1) Sum of forces equal zero, 2) Sum of moments equal zero, and 3) You can't push on a rope. Essentially this course isn't difficult, in fact some would call it easy, those 'some' are the ones who pay attention in class and do the tutorial problems on their own. It really isn't all that hard to do well; you just need to be able to do old exams and tutorials on your own. The textbook may not be all too useful, and even with a solution manual it's very much a waste of money – all the more reason to go to class and take really good notes.

Warning: The very first tutorial will scare you. Luckily, it's just the shock of getting your very first tutorial in university: you'll look back on it in following weeks and laugh because it was easy breezy. Eventually, nearing the end of the course, you'll have figured out that the tutorials are, in fact, worth less than 1% each. Be aware though that those who stop doing the tutorials tend to not do too hot on the exam. As a final cautionary word, do not underestimate the exam, prepare, or suffer. The tried, tested and true method for studying would be doing old exams, since the format has not changed in over 6 years.

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### *ECE 101F/MSE 191S: Introduction to ECE/Mech and Indy*

Be glad! This will rapidly become your most favourite course. Reconsider your attitude towards lectures if you ever fail this course. There are no assignments, nor any exam; simply go to class ever odd day and pay moderate attention. It doesn't get any easier than that! This is a seminar-based class where you will be introduced to the branches of work and study that your discipline can lead to. Hopefully you came here interested in your discipline, so these seminars should be interesting, well, at least some of them will.

The end of each seminar has it so that you answer a single multiple choice question that's based on what was just presented. It will be a pretty obvious question if you stayed awake. For double the fun check this out, if you have reached the required 8 out of 10 passes, you don't even need to show up anymore. However don't think you can just come in whenever you feel like it. They close the door on you part way into the seminar, so don't be the one who gets a door in the face. Simply put... easiest course, ever.

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### *ECE 106S: Programming Fundamentals*

After trudging through Java, you will now be introduced to the ever popular C++. These two may seem alike in some ways, but the differences just mean different problems. If you were annoyed by Java, you better get cracking early, because this course will be a major pain. As well, you might as well go to all the lectures since nearing the end you will find yourself questioning the usefulness of the textbook.

Your first assignment will be very easy, but beyond that, it will take hours upon hours of work. Not to mention debugging, the two most despised words will be "Segmentation fault". The midterm and the exam for this class will be a little different than the ones for Java – a lot less coding, but more code to read and understand. The secret to success here is to gather as many notes as humanly possible since you will be able to bring it all in with you. Just keep all the notes in order; you'll do nothing but waste time if you have to sift through everything.

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### *ECE 115S: Electricity and Magnetism*

First point to know, must... get... textbook. Simply one of the best books around, since it explains everything to you – assuming you know nothing. It can even make inductance and multi-loop circuits look like a snap (Well, more-or-less...) Most lectures are a solid hour of monotonic talking, so bring snacks, and a crossword puzzle to keep you from falling asleep. Take notes as best as you can,

but use the textbook to fill in whatever's missing. It never hurts to keep on top of things, since eventually the assigned problems will get very difficult – just try not to panic.

These will probably be your first university labs, so get off to a good start by knowing where you need to be and when – you'll need all three hours to finish the labs. Make sure you do your pre-lab as well, or else your marks will suffer. The reports will take several hours, but be concise and don't think extra information gets you more marks, it doesn't. (Quality over quantity.) For the two midterms, you get to bring in an aid sheet, yay! It may or may not be rendered useless when you realize nothing you wrote on it is needed information, boo! So make sure you come to the exam actually knowing the material, and you may get through it.

### • *ELE 190F: Discrete Mathematics*

Learn your multiplication table very, very well. In fact, memorize all factorials up to at least 12, since you'll be doing them without a calculator. If you were the student who took data management in high school, you'll have the upper hand here (lucky you... unluckily for you, you took data management in high school). The textbook is well done, and although the practice problems seem easy, do them because it will help you in the long run. Go to the lectures, because your notes will very likely be better than your text, the Profs write amazing notes, sometimes, if not always, better than the text itself.

This is probably the easiest math course you ever come across. Each week, you'll have a quiz, worth 2 percent of your mark, which will most likely be a recycled homework problem. Past midterms and exams are also your best friend, since the questions are only slight modified version of previous year's questions. The modification can be as small as changing the variable name. Finally a break!

### • • • • • *MAT 186F: Calculus I*

Yay for courses that practically mimic high school! It's a relatively easy course since it's largely based on material you've seen before. However, make sure you actually know the concepts as well as you think you do, otherwise you will be burned on the tests. Study long and hard for the exam, since it covers the stuff you didn't learn in high school. Just remember, you are the integral!

### • • • • • *MAT 187S: Calculus II*

So you passed Calculus I and you're back for more eh? Mwahaha, prepare for a world of pain my friend. The very first lecture shows you sixteen 'basic integrals'. Memorize them, since they will be your lifeline for the first half of the course. If you can't memorize them, good luck, because you'll desperately need it.

"You make it sound so hard, how can I possibly pass?" you ask. Simple, do the problems. Problems, problems, problems, do each and every problem assigned. Then do the problems that weren't assigned. Then buy another textbook and do their problems for good measure. The more problems you do, the less problems you'll have. If you accomplish this, you'll more than likely pass. Good job! By the by, if the exam feels like murder, don't worry... It is.

## *MA1188F: Linear Algebra*

This course starts off easy enough, tempting you to sleep, or perhaps go grab a bite to eat rather than take notes in class. It's very possible that you may get away with it for a while, but only for a short while. At some point (we haven't quite figured out where exactly), the pace of the class switches into high gear, and if you aren't one of the lucky few to notice you'll be crying bloody murder come exam time.

You'll be learning a lot of things that'll make you question its relevance to engineering. There's really no sense dwelling on it though, since questioning the usefulness of the course doesn't get you the marks you need to pass. Make sure you do well on the quizzes, because those will help boost your marks for going into the exam. Finally, never stop to think about how little you understand here, just keep marching forward blindly. March away my friend, and always twirling, twirling, twirling towards freedom!

## *MA1196F: Calculus A*

All you need to know is... well, everything. Luckily, you've taken Grade 12 calculus, so you'll be set, at least for the first week. After that, you're on your own, your only company being gazillions, count 'em, bajillions of theorems. The theorems seem like they're pointing out the obvious, but don't be fooled, they have a nasty habit of stumping you on tests. Understand them if you can, but much more importantly, memorize them.

The textbook for this course will be your guiding light for the next 2 years. Treat it with respect, and in turn, it will teach you much. Make sure when you buy the textbook, you're getting the solution manual as well. After all, in your quest for calculus knowledge, you'll need to know when you are correct, and when you are not.

It is imperative to your passing grade that you do the homework for this course, regardless of the quantity. That and learn to love trigonometry, even if it's a forced love, you really have no choice in this matter. Make sure you make very detailed notes in class, consequentially, never miss class. Like the textbook, if you treat your notes with respect, they too, will teach you much. Oh, by the by, no calculators here either, so get ready to do some brain crunching.

## *MA1197S: Calculus B*

Supposedly, this is a math course, but oddly enough, there's so few numbers. There are so many variables to work with that eventually you will run out of Greek letters. Get ready to integrate. Get ready to integrate until the cows come home. Get ready to integrate until the cows come home, and then get ready to integrate the cows. The numerous integrals you'll see inside your textbook are best left memorized. That gives you more time to do all those horribly, confusing questions on your tests. You will also be introduced to series and sequences. They have the amazing ability to go up to infinity, but somehow they sum up to a finite number, go figure.

So what's your recipe for a Calculus B? Start with one cup of integration, throw in some parametric equations, stir in with more integration, add two tablespoons of hyperbolic trigonometry, season heavily with integration, and voila! It's Calculus B a la flambé... or would it be Calculus B a la very-tired-student?

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### *MSE 100S: Dynamics*

Consider a hollow ball that starts rolling from rest (with a coefficient of kinetic friction of 2.3) with an angular acceleration of  $4.142 \text{ rad/s}^2$  down a hill inclined at 30 degrees. Factor in a northwest wind blowing at 25 km/h and an earthquake of 6.7 on the Richter scale. The ball explodes into three pieces each of which has equal kinetic energy. If one of the pieces hit you upside the head that's roughly the pain you'll feel during the exam if you're not fully prepared.

Regardless of how simple the Prof. makes the material sound, it isn't considered the hardest first year course for no reason. Make sure you understand the concepts through, and through.

Don't worry too much if you're on the brim of failing going into the final. There is a great chance you come out with a better mark for bell curve is pretty much a given considered the low average of the whole class. But still, BEWARE OF THIS COURSE!

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### • *MEN 185S: Earth Systems Engineering*

The name of the course is pretty self explanatory. The mind set needed is similar to that of high school geography, but with an interesting engineering twist (quantifying things with math), so you really can't learn this course straight out of the textbook. The small class sizes lead to high involvement, but as well, there is a lot of memorization. The midterm doesn't have a lot of numerical questions, so know your rocks. (They will ask you to specify rocks and minerals, so make sure you pay attention in the first few labs) Half of your final exam is theory based and half is numerical, so if you study your lecture notes diligently, it's very possible to ace the exam. As long as you don't get behind and go to all your lectures, this class can be really interesting and unstressful, a very favourable combination.

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### *MSE 101F/S: Applied Science: Materials*

This course is the Cadillac of first year courses. Class attendance is more-or-less necessary, since it's easier to absorb the never-ending stream of information in lecture than it is to read later. The textbook however is wicked awesome. In fact, textbook is the Cadillac of first year textbooks. Practically anything that will be on the exam is in there... well, almost everything. Take notes from the book and keep them for later, they could quite possibly be better than your lecture notes.

The labs are a breeze but allot time to actually get them done! It's a free 20%, and it's easy to forget you have them due until the night before. If you have friends who took MSE101 in first term, borrow their labs because they never get changed, but don't copy the labs! The TA's know people, who know people, who know people, who can catch you in a copying act. By the by, some disciplines will see this material again in second year, so keep your book and don't burn the notes.



A swingin' engineering science student is a prepared engineering science student. Only a wet rag would walk into class the first day without knowing what they'll



be studying. Since we like you all so much, here's the shin-dig on what to expect.

**Disclaimer #2:** The Engineering Science Division recently reviewed their curriculum, and consequentially, has changed it. You, the incoming class will be the first ones to experience the new system. Our staff has done a great deal of research to provide you with a fairly decent idea of what to expect (We can only do so much though, we're so very, very tired). We have commented on those that we feel we know, but there are some that we cannot comment on at all. Please note that there may be some inaccuracies.



# Uh-Oh!

The following courses do not have comments because they are brand-spanking new.

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BME105S (Systems Biology)    ◦    CHE119S (Thermodynamics)  
 MAT190F (Matrix and Vector Algebra)    ◦    PHY190F (Relativity)  
 ESC101F (EngSci Praxis I)    ◦    ESC102S (EngSci Praxis II)

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## CW02J: Structures and Materials - An Introduction to Engineering Design

This is a course which you will look back on, and for the most part, be glad that you were forced to take it. Something important, nigh crucial, to know is that THERE IS NO TEXTBOOK! Your notes are all you have, so treat them like your metaphorical baby. You're going to want to make sure it's raised right, so check how your child is doing compared to others' from a different lecture sections. After all, no baby's the same, and more often than not you may have missed something along the way. One day it will pay off in the form of you being allowed to have your notes for quizzes and exams. Ah, the almighty exam, which has the power to replace your term mark if the exam result is higher. Don't count on it though; life just doesn't work that way.

## CSC180J: Introduction to Computer Programming

Don't know how to program? Never fear, CSC180 is here! This C programming course is like free time, the pace of it being comparable to the rate at which Titanic sank. It's perfect for those of you who have little to no programming experience. Still scared? There is also an optional practical time which allows you to brush up on your new-found 1337 skillz... w007!

Now we know that you've heard the following speech probably a few billion times, but there is no avoiding it. Do not, we repeat, DO NOT think that you can outsmart the system. Does it really hurt to spend a few extra minutes to figure out the algorithms for yourself? Don't let perfectly easy marks go down the drain because you thought you could take a shortcut. With just a little effort put into completing assignments by the due date, you'll pass the course with a mark that'll put a smile on your face... even if you type with only two fingers.

## CSC190S: Computer Algorithms, Data Structures and Languages

Get ready to leave the pink and fluffy world of CSC180 behind. Enter mind-twisting data structures and algorithms. We're sure it's nothing a smart kid like you can't handle though.

You will be introduced to a object oriented version of the C language, namely C++ and data

structures such as stacks, queues, binary search trees, hash tables, and graphs. You will also be bombarded by time complexity, recursion, and other abstract concepts. Try to refrain from pulling all of your hair out when doing the assignments, and don't be fooled by the open book exam! This course has everything to do with thinking and very little with writing code. Understand that a seemingly complex problem can be made simple by breaking it down to smaller ones, and you can very well get through alive.

### *CSC192F: Computer Programming, Algorithms, Data Structures and Languages*

This is a newly implemented course meant to cater to those of you who are coming into university already proficient in programming. Now we know what you're going to say, "But guys, why would I bother with wading through treacherous roads, when I can be laid back in the 180 and 190 courses?" We will respond with, "Rather than having your computer science course split into two, it's compacted into one so that in your second semester you will be able to have an elective, yippee!" That way, you can pursue whatever your heart desires. At least you won't be bored... right?

### *EE159S: Electric Fundamentals*

Learn this now for it will haunt you, simple electric circuits aren't all that simple. For many, this would be your first foray into the work of electricity, and even those who have worked with it won't have any much advantage. Much of the material covered will not seem to have any practical application. The labs only strengthen this perspective; they are fast-paced, and even with three hours, time's still tight. **Make sure you do your lab-prep beforehand**, as there really is no time for that while in the lab.

Though the course is notorious for its vast hoard of confused students, take the time to try to understand some of the concepts. The actual questions aren't that confusing when you actually look at the solutions, but unfortunately we're not playing Jeopardy here (We'll take potent potables for \$1200, Alex.) A calculator that can do complex numbers will be a valuable asset for the last chapter of the course.

### *MATH85S: Linear Algebra*

If you are the kind of person who a) likes being baffled, and b) are best buddies with the Greek alphabet, then this course is for you! Get ready to indulge yourself in topics such as vector spaces, eigenvalues, and linear transformations. You'll be subject to endless theorems, lemmas, and corollaries that fail to recognize actual numbers as the universal convention for numbers, wheel! While understanding the derivations that should "intuitively" follow is important (and will save you from having to cram later), your best bet would be to do as many of the problems from the text as possible, since exam questions are almost always taken from the text.

### *MATH94F: Calculus I*

The first thing to note about this course is that calculators are not allowed. While you may think that this would mean that there are easy calculations, we're talking about *Calculus* here. While the beginning may feel like a bit of review for some of you, the course jumps into abstract concepts quickly, introducing you to a pair of letters that you will forever loathe – delta-epsilon. Integration, differential equations, and polar coordinates will be covered in this term, with proofs of all shapes and sizes, many of which you will not understand why, how, or what for. The questions for the quizzes will be from the homework, so take the time to at least look over all assigned problems. The usefulness of textbook is proportional both to its weight and cost. Hold on to it, as you will be referring to it in future courses.

## MAT195S: Calculus II

This course is the continuing saga of an engineer's love-hate (or hate-hate) relationship with the super-duper-awesome subject of calculus. It can do so much, but cause so much pain. In this second episode, there are more integration techniques, but being brought to tears isn't nearly enough for them. With sequences and series where you can sum things to infinity, and three-dimensions in multivariable calculus, it's a wonder students' heads don't just explode on the spot.

This one is a lot more fast-paced, but try to keep up and make sure you practice – just thinking you understand is not enough (we're speaking from experience here). The quizzes are still from the book, but not necessarily the ones assigned, and well, if you are diligent about this course, you'll probably do fine.

## PHY180J: Classical Mechanics (Physics I)

As with physics courses in high school, the course begins with a review of what you've learned before, it then progresses into more detail about each topic. The review starts off with mechanics and dynamics, but the new concepts cover spinning and oscillating things. The lectures are very interesting and entertaining, with great visual demonstrations and derivations, making each class very effective in the understanding process. While you get an aid-sheet for mid-terms and the final exam, make sure you know what you're doing, because time will be a bigger enemy than the complexity of the exam. Practice the questions in the book, as problem sets and tests have similar problems.

The laboratory work that may be assigned by a different course is typically irrelevant to the course material, but does help develop some good laboratory skills. There are a lot of choices, but in the end it's a lot of error-analysis to tell you that your conclusions wildly off the mark. Get used to the feeling, and while you're at it become very familiar with error-propagation, as they are quite picky on making you account for where you went wrong. Maybe it's just one of those subliminal things the system wants you to think about constantly.

*What are those two gals  
whispering about?!*

**Psssst!** Don't forget to study for your Secondary Education Evaluation. It never hurts to be prepared.

**It's true folks!  
Prepare early and spare  
yourself the stress later!**



\* "Facts" presented by the handbook staff may not, in actuality, represent fact. We cannot be held accountable for any failed attempts in world domination. We will, however, take responsibility for laughing heartily at your expense...

# Skule™ Fun

## All New Friends

See, Jane. Jane has Skule™ Spirit.

Jane was happy.  
It was her first year at Skule™.  
"Oh, my!" Said Jane.  
"It is fun to come to Skule™.  
It is fun to work and play with  
all the boys and girls.  
I like school, and I like all  
my new friends."

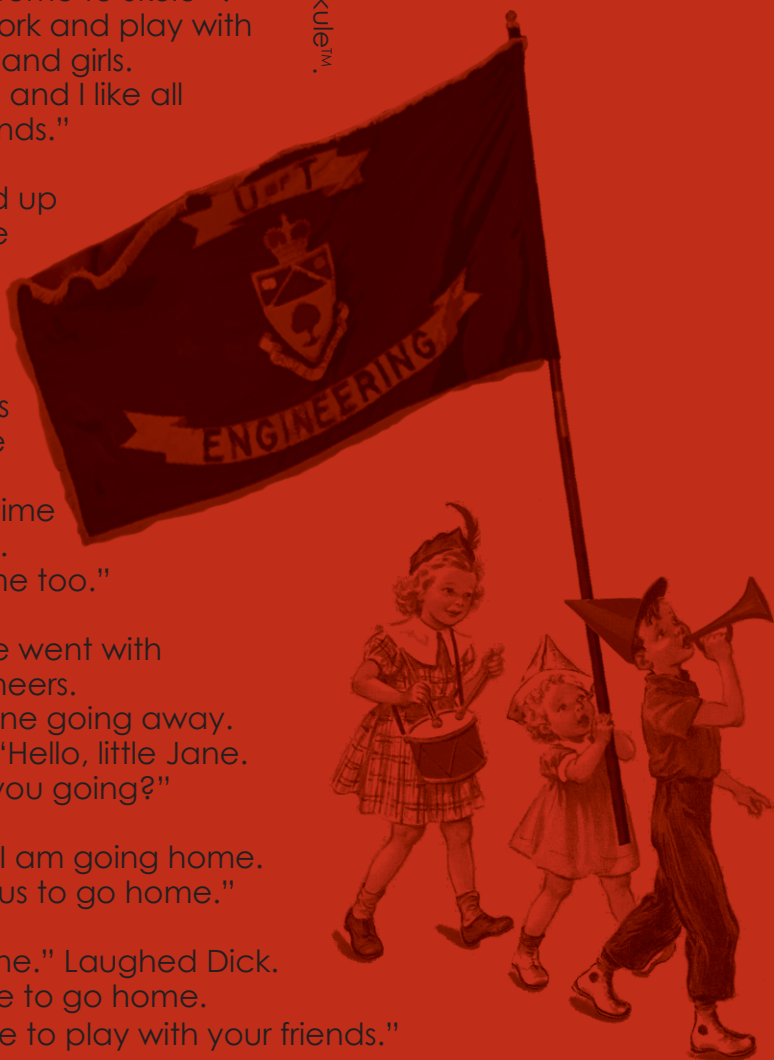
Jane likes Skule™.

Jane looked up  
and saw the  
engineers  
going.  
"Oh, my!"  
She said.  
"All the boys  
and girls are  
going.  
Maybe it is time  
to go home.  
I will go home too."

So little Jane went with  
all the engineers.  
Dick saw Jane going away.  
So he said, "Hello, little Jane.  
Where are you going?"

Jane said, "I am going home.  
It is time for us to go home."

"Oh, no, Jane." Laughed Dick.  
"It is not time to go home.  
Now it is time to play with your friends."



# Officer's Messages

The Engineering Society sure is neat, but it's not like it can run itself. It's madness to even consider



such a possibility. There'd be chaos all over, I tell you, chaos! No, no, my friend, Eng-Soc officers are elected by the students to help run it. See how it all falls into place?

## President

Peter Suddard  
MECH OT3+1

Hey Frosh, my name is Peter Suddard and I am this year's President of the Engineering Society. I know

this Eng-Soc section of the Handbook can be a little dry. To make sure you stick around for at least my write-up, I'm splitting it into two sections. The first part consists of information I should give you because I am the president; The second is chock full of good advice and tips I want to give you because I am a fourth year student.



Firstly, the president stuff. Welcome to Skule™! Congratulations on becoming a member of one of the best engineering schools in the country. In your next 4, (56) years in University you will be bombarded with cool things to do and great activities to get involved in. I am the president of the Engineering Society, which is your student government. The Engineering Society is a student collective made up of all full-time undergraduate engineering students. Its job is to make sure that you get the most out of Skule™. We work hard to make sure you get the kinds of services you want. This whole book will be full of people letting you know about services, events, and activities available to you. If you see something you like, get involved in it. Studies have shown that people who get involved in an activity within the first 6 weeks of University are the ones most satisfied with their education when they graduate\*.

Also remember that if there is something you hate, you wished existed, or you don't understand, the first step to addressing the problem is for you let us know about it. As first year students, you will have a peer representing you and your discipline in the Engineering Society and the Faculty. These class reps are elected by you at the beginning of the year, and will be there to listen to your ideas and suggestions. Of course, you can always come into the office in the basement of Sandford Flemming and talk to me in person, or email me at [president@skule.ca](mailto:president@skule.ca). What I am trying to say is the only way you can get your money's worth from the society is by letting us know what you want. We want to hear from you, so please drop me a line.

Now for the advice from a fourth year students' perspective. Do Frosh Week. Do Frosh Week with engineering. Do Frosh Week with engineering during the time allotted to Frosh Week. Skule™ has the biggest, cheapest, and best organized Frosh Week on campus. It is also the only Frosh Week that is full of upper year engineering students. Try to meet a couple from your discipline, they can help you out with class advice, sell you old textbooks, date you, and hook you up with notes. Frosh Week is specially designed to introduce you to Skule™ as much as humanly possible.

Go to classes. The majority of people I know who have failed or dropped out list "not going to classes" as the number one cause. Repeating a year is very costly. Lastly, do something. Find a group or a club that interests you and join it. Even if you don't stay with the group the people you meet and the friends you make will help you out in your time here. It's a great way to get out of

\*Not made up.

residence and meet people that you wouldn't normally meet in class.

In conclusion, Do F! Week, if you end up hating EngSoc tell me so I can fix it, go to class, and have fun.

**VP Finance** Eamon McDermott  
EngSci OT3+2

Hi there. I'm Eamon McDermott, and I'll be your Engineering Society VP Finance for the 2005-2006 Skule™ year.

Skule™ life is an incredibly diverse adventure for each member of our Society (that's

every full time Engineering student!) Sure, math, physics and class are okay, but Skule™ life allows you to learn all that important stuff you just can't get from a textbook or lecture.

Like music? Try the Skule Stage Band (or the Lady Godiva Memorial Bnad if you're also into mayhem!) For those of you looking for business experience, Engsoc runs a store and a weekly pub that generate significant cash flow. EAA can provide your sporting needs, both for recreation and serious competition. And if you think you were born to turn lumber into crazy crap, you should seek help from the nearest member of the Blue and Gold Committee.



Or, if you're like me and into all of the above, check out our political scene. Engsoc meets monthly and discusses all aspects of Skule™, and you'll even get to see me talking wise about the budget, cheque req's, fiscal responsibility and TRUCKS (it's a good story, honest!)

But you don't need stuffy old money-bags Eamon telling you what to do. Just relax, have fun, and be surprised by how much fun stuff there is to do at UofT.

**VP Academic** Agnes Durlik  
Chem OT3+PEY

Hey Froshies, and welcome to another academic chapter of your lives. In the next 4 (+???) years, you will be tested and examined, your brains will be stretched and strained, and as your assignments  $\rightarrow \infty$ , your sleep  $\rightarrow 0$ . But I urge you to have no fear as amid your scholastic trials and tribulations, you will make

great study buddies (aka. the smart guy/gal sitting next to you in class) and great friends (aka. those who let you copy\* their problem set 5 min before its due)



One day when you look back, you'll see that it wasn't all that bad since the Engineering Society was there to help you all along. As VP Academic on the Engineering Society, I uphold and create new academic services for the students such as the free EXAMS database (which offers copies of old exams from previous years), online course critique (read the "boos" and "yeahs" of courses you'll have to take), free online Tutors list (just when you think you're gonna need that extra hand), and a new Scholarship website. These are just a few of the services that we offer, and more can be found on [academics.skule.ca](http://academics.skule.ca). My open door policy will enable anyone and everyone to obtain information about any academically related



issue, whether its about petitioning an exam, obtaining an engineering minor, or just how to find a cheap text book on campus. Feel free to email me anytime at [vpacademic@skule.ca](mailto:vpacademic@skule.ca) or just drop by the Engineering Society Office in the SF basement. Cheers and good luck\*\*!

\*Copying work is highly unacceptable by the faculty and can get you kicked out of Skule™ ... so instead of 'copy', insert the word 'look over & check for mistakes'.

\*\* "Good luck" not automatically included with tuition. Must be acquired separately.

## VP Communications

Henry Cheung - EngSci OT7

Who are we? - While you will soon learn that the correct response is "ENGINEERS!", let me tell you who I am. As VP Communications at Skule™, my job is to keep you, the Members of the Society, informed about upcoming events,

activities, services and the general dealings and procedures of EngSoc. In this, I oversee all of the Society's communications; these include the Cannon Newspaper, Toike Oike, Skule™book, this very Frosh Handbook, and our website, [www.skule.ca](http://www.skule.ca), among many others.

Among the ultimate goals of an Engineer is the desire to leave a positive impact on the world. Similarly, the Engineering Society exists to leave a positive impact on your experience at UofT. Skule™ has so many opportunities available for you; contribute to one (or more!) of our publications; make use of our academic services; stay active with the Engineering Athletics Association; join in the musical exuberance of the Lady Godiva Memorial Bnad; honour, respect, and protect the Mighty Skule™ Cannon. As incoming Frosh, think of what you want out of your time here at Skule™, and take advantage of all we have to offer.

As always, I welcome your questions and concerns. Feel free to contact me at [vpcomm@skule.ca](mailto:vpcomm@skule.ca), or approach me at any time. Farewell, but only for now; you'll be hearing from me.



## VP Student Life

Nicole DiCarlo  
EngSci OT7

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

The first step is reading through this super awesome handbook! It will give you a taste of some of the clubs and activities we have to offer. Skule™ offers a wide range of clubs you can choose to participate in (go to [skule.ca](http://skule.ca) for a list) but if, by chance you can't find exactly what you're looking for, start your own! If you want to start your own club or hold an event, I'm here to help.

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



# The Rule of Three

Hey Froshies,  
it's a well known  
fact that good  
things come in  
threes.



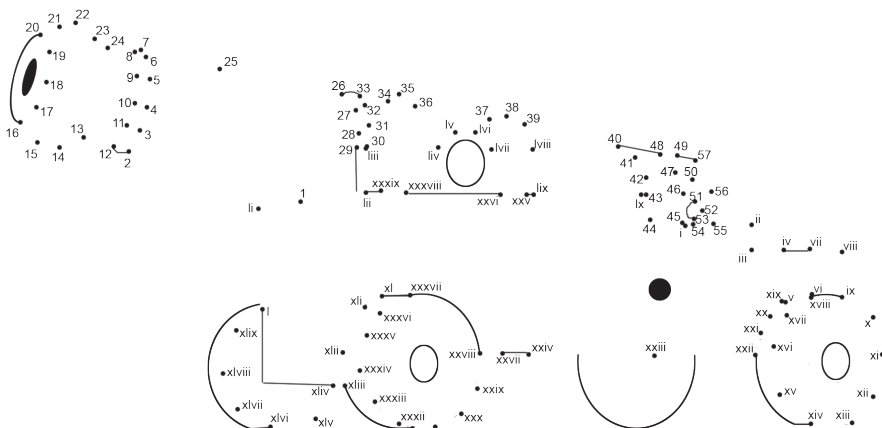
threes. Any hipster, in the know could tell you that. What's special about the Rule of Three though is that not only do good things come in three, but **all** good things come in three. Each and every thing that's good almost certainly comes from a trinity of three.

For example, three square meals a day, that's good for you, it keeps you happy and healthy. What about the vending machines in the Atrium by the EngSoc Office (Go look for them when you get here!)? They come in three, and they let you save a bundle on snacks and drinks, that's really good! Another example is three pet monkeys, why have one when you can have three, they're so funny, that's bound to be a good thing.

Go check it out for yourself, look for good things and witness the awesome power of the Rule of Three.

In this book there are three games to play, and they're really neat. When you see one, play it, it'll let you take a break from all the reading, and you'll find a clue. Can you find what connects these three things that makes it good? We started you off with the first game below. Have fun playing around and look out for some wholesome trinitities!

## Fun Break #1: Connect the dots!



# LGMB



Cee, sumtimes Skule™ kan becum a bit too seriuz!  
Hoamwerk, lahbs, and teztz kan reely ghet u down.  
Dis iz da reezun dat de Lady Godiva Memorial Bnad  
(LGMB) exizts! Wut iz a Lady Godiva Memorial  
Bnad, yoo azk? Well...

## INTRODUCING...

...the world famous, quintuple prize  
winning, SEXtuple record setting,

TSE crashing, football field  
dashing, alcohol stashing,  
Oktoberfest bashing, stealth  
bnad stalking, imposter bnad  
mocking, Con Hall shocking,  
Gradball rocking, Yonge Street  
cruising, Varsity Bluesing,  
referee accusing, music abusing,

CN Tower, SkyDome, Pratt  
Building, Innis Condo, Bahen  
Center for Information Technology,  
Scarborough RT, subway opening...



## ...AND Subway CLOSING...

## ...Lady Godiva Memorial Bnad!

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



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

# "No Talent? No Problem!"

## "GPA too high?! We can help!"

Dat shud anser ahl yur qweschions! Butt iph it duzent, hears a lil explanashion:

Weer dat bnad dat showz up on TV, radio, da Internet (fer dose 18+ uv coarse), and in da papers dat rawks de T dot O aht awl kinds uv events. Owr motto is "will play and sing for food and BEvERages" an dat's egzachtly wut we doo! Wee halve bin around sinz aroond 1950 +/- 2, and wee argh verry prowv uv owr tradishons, and yoo shud bee too!

De bnad iz a p-yure soarge uv funtasticality, partyocity, and socialivity in a kan! Naught ohwnley doo wee puht da bnad in "partybnadnimal," buht wee help oot chairitees, promoat Skule™ Spirit, and r da phirst (Read: very expendable) lyne uv defense fer Ye Olde Mighty Skule™ Cannon.

Yoo mite bee azkin, "do I need any type of experience for this?" Da anser uv coarse iz, "Hell NO!" Az a U of T engineer, yoo r ottomagically a member uv da bnad (wether yoo lyke or naught!). No talent? No problem! Muzical instrewnints isn't ahl wee plae. Wee goht bedpans, firebells, firesticks, fireblankets, boomsticks, cowbells, cowhorns, triangles, squares, dodecahedrons, squirrels, gerbils, hamsters, books, crooks, snooks, hooks, boxes, foxes, snakes, rakes, baseball bats and cakes. Eye cud go ohn, but eye beht yoo geht da idear.

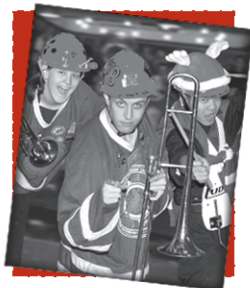
So u no wut wee doo, and hoo kan doo iht (review: ANYONE), soo de ohnlee qweschion iz how doo yoo doo iht? Wehl, dat's an eezy won too ancer! Goh too <http://lgmb.skule.ca> and sin(up) fer da mailing lizt! Wee annownse uhvents fer yoo too attend iph yoo lyke. Dat reminds mee, NO COMMITMENT iz NECESSARY. Dohnt phind dat much in meny klubs now adaze! Ohh, and wee don't practice or rehearse ayether! Da bnad iz here fer yur conveyunce too relax!

Soh reemembur to cum oot wit da bnad! Wee guarantee a gud tyme\*!

\* Warning: Not a guarantee. Good times require a sense of humour\*. Some do not possess said sense of humour. Bnad carefully.

+ Warning: Sense of humour sold separately\*.

# Warning: The bnad does not sell senses of humour. It DOES sell and loan bnad jerseys and CDs, though.



Jeff Cornthwaite  
Bnad Leedur

Henry Cheung  
D(r)umb Major(k)

Caitlin Bailey  
Joonyur Bnad Leedur

# Ye Olde Mighty Skule™ Cannon



Ye Olde Mighty Skule™ Cannon is the niftiest mascot around. It has other engineering faculties pea green with envy. Keep your ears open during Frosh week, and throughout the year to hear its' signature **KABOOM!**

Engineering at U of T represents a major juxtaposition in life. It is the gateway between mellow high school and going out into the real world. It is also a place where academia and social events come together like never before. All of these factors combine to create a unique school spirit, a spirit for which we are known. This spirit is embodied in a mighty mascot, forged of stainless steel: the Mighty Skule™ Cannon.

The Cannon is our symbol, dating back to the 1930's, and is thus the most important tradition we maintain. It also helps to remind other Universities that we are the most spirited, as our mascot dwarfs theirs in power and presence. The Cannon is guarded by me, the Chief Attiliator: an honorary name that in wars past was donned upon the chief of artillery. The Cannon appears at many and all types of events, since it symbolizes both academic and social spirit. You will doubtless encounter the Cannon as it forges its way to mark events, and as its powerful KABOOM echoes in the halls of greatness. The Cannon is YOUR mascot.

**-HONOUR IT-  
-RESPECT IT-  
-PROTECT IT-**

-Chief Attiliator



# Ye Olde Mighty Skule™ Cannon History

[And why we love it so]

Being in its presence when it lets loose a mighty blast is like being at the dawn of the Universe. Its thunder shakes the very foundation of reality, causing all that are near to recognize its awesome power.

As Darwin has suggested, only the fittest survive, and in order to survive one must evolve, to match and to better what challenges are put forth. The Mighty Skule™ Cannon has done just this, evolving from the first decorative cannon out front of Hart House which was fired in a prank to a smaller and more portable version. Though shrinking in size, the cannon lost none of its potency. This, the new generation of cannon, has continued to evolve, passing into sleeker and sleeker form.

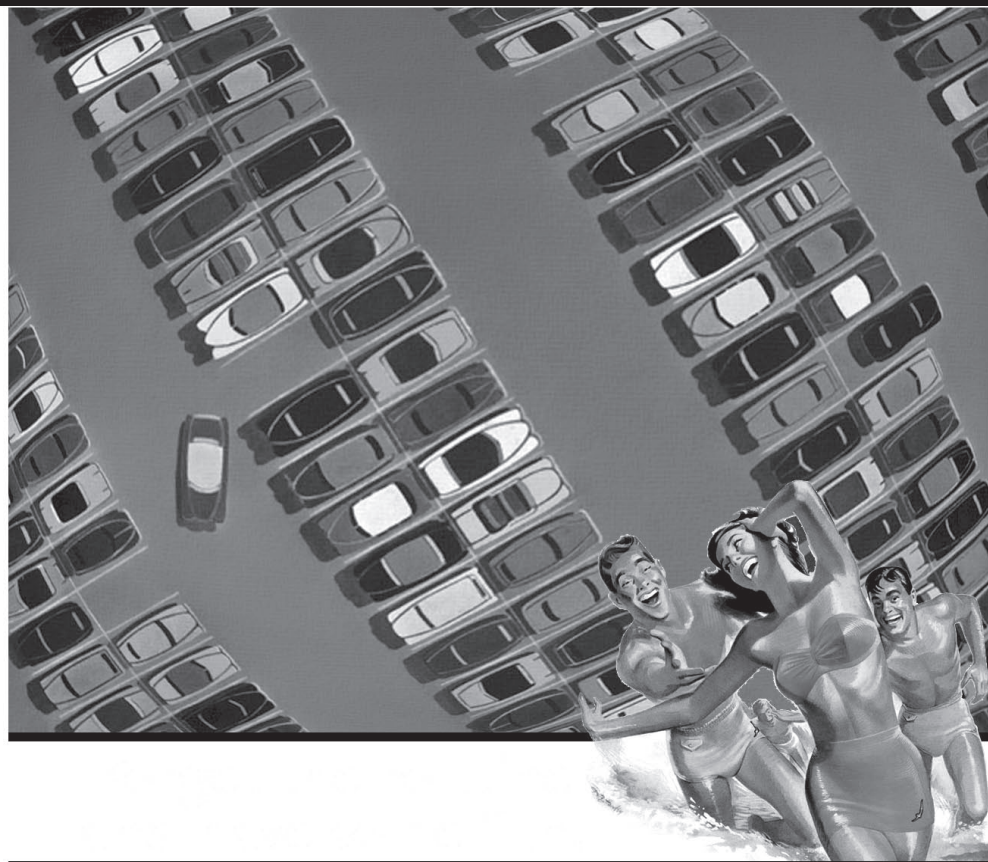
Over its long and hallowed history there have been many attempts to capture the majestic cannon, the only successful ones coming from members of UofT, thus proving our superiority to other Universities. This has only happened on a handful of occasions when, through the alignment of the stars and various dark rituals, our mighty guard was foiled. Surprisingly the most grandiose tale came from some of our very own Skule™mates. In 1967 two graduate engineers whisked The Mighty Skule™ Cannon off to the British Isles. Knowing that both their reputation and honour were on the line, a contingent of 6 brave Skule™men tracked down the offenders, travelling across the ocean both finding and returning the Mighty Skule™ Cannon to its rightful home. Such selfless acts, dedication and loyalty to the Cannon have meant through history no stolen cannon has not, eventually, been returned.

As can be seen from the relics hanging from the Chief Attiliator's belt, other mascots have not been as diligently guarded as our own. The defences of both Waterloo and Queen's were no match for the cunning and skill of our mighty Skule™ which liberated their mascots, the chain that once secured Waterloo's Tool does so no longer, now it only secures the Attiliators' pants. Hanging from this once proud artifact is a portion Queen's own Grease Pole, which was removed as a memento.

The Mighty Skule™ Cannon has become a pillar of our Engineering community, representing our power and integrity. But no pillar can stand alone for long, as such it is the job of all engineers to be ready, at a moments notice, to protect our Mighty Skule™ Cannon.





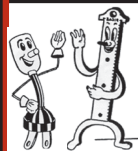


**Mario's Bakery - a social club for ladies and gents.**  
✧ open all hours ✧ [mariosbakery.ca](http://mariosbakery.ca) ✧



# Blue and Gold Spirit Committee!!

The Blue and Gold Committee is a student oriented activities club,



whose main objective is to provide fun, excitement, and allow for interaction between engineering students for all disciplines in a non-academic setting. Blue and Gold is essentially a Skule™ spirit committee. We run many events throughout the year. Starting with F!rosh Week, we run the movie nite and organize the bed races. During the fall semester there will be a few more movie nites and a mystery bus tour or two, and the building of the Home Coming float. Blue and Gold's main responsibility, Godiva Week, occurs during the spring semester. Later, in the spring semester there will be more movie nites, mystery bus tours, and a few oddball events.

What do these events actually entail? Bed races are pretty self explanatory. On the first day of class the Upper years challenge the F!rosh to a race, up Kings College Road, on a bed. For a movie nite, a lecture hall is taken over and turned into a theater. Blue and Gold Takes great pride in our Home Coming float. The Skule™ float placed first at last year's parade and we plan to stay number one. The oddball events cover all events that are not covered above. Mystery bus tours are mystery events and the only way to solve the mystery, is to join the tour.

This leaves Godiva Week. As you should know, before F!rosh Week at least, is that Lady Godiva rode a horse through Coventry naked for the good of the people her husband ruled. Godiva week is a ceremony for all engineers to reflect on the moral values and dedication to society that Lady Godiva exhibited. In actuality, Godiva Week is a five day long party for engineers to let loose before Skule™ gets too heavy. Events that will take place during the week are Ye Olde Chariot Race, the Mr. Blue and Gold and Godiva's Crown Competitions, F!rosh Hardhat Decoration Competition, the Car Smash, Full Contact Day, and Godiva's Wake.

The job of directing and organizing all Blue and Gold events falls onto the Committee Chair(s). The Committee Chairs for 2005 – 2006 are Christopher Anderson and Nathan Schnarr. The duties of the Committee Chair(s) are to have all events planned out, lead all Blue and Gold members through the events.



To become a member a Blue and Gold please join our mailing list at ([www.skule.ca](http://www.skule.ca) and click to the B&G site) or drop us a line at [bluegold@skule.ca](mailto:bluegold@skule.ca).

Blue and Gold Chairs  
Christopher "Nathan Schnarr" Anderson  
M&E OT

# Skule™ Nite Where dreams come

Skule™ Nite, quite possibly one of the the neatest things around, is

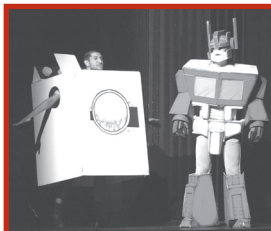


coming your way. So don't be a square, be daring, be bold, be reckless, and hop aboard the Skule™ Nite train. Flosh ride for free....ish!

Contrary to popular belief, Disneyworld is not the happiest place on earth. Skule™ Nite is where it's at if you're looking for smiles and larfs aplenty. Skule™ Nite is the musical comedy revue staged each year by engineering students just like you. Will be, that is. Just like you will be. Assuming you're reading this before September of course. If you're reading this after that, then we guess what we said was okay the first time.

Skule™ Nite is the funniest show on campus, and twice as attractive. If you doubt the super-duper-awesome power of Skule™ Nite and all the magical things it can do for you, ask yourself this, do you find one of the following funny:

- Sophisticated monkeys
- The phrase, "Tighty-Whities"
- Newfie boy bands
- Transformer washing machines
- Cult members in undersized blue jumpsuits
- People making fools of themselves



If you answered "Yes!" to any of these, or "No!" to any of them, then Skule™ Nite is the show for you! Almost every year since 1921, Skule™ mates have staged a rousing show, and this year will be no exception. Good times shall be had by all, let the good times roll, good times are coming your way and so on and so forth. This year, like so many before, there will be singing and dancing and hilarity and laughing and clapping and hilarity. And don't forget hilarity.

If you would like to be a part of the singing and dancing, even if you croon like a fog horn and move like a duck, come out and audition.

If you would like to be a part of the laughing and clapping, then come see the show in the spring. The price of a ticket is included in your Flosh kit.

If you would like to get involved but think you'd be better behind the scenes building, running lights or sound, writing sketches, or being an errand monkey, then email [skulenite@skule.ca](mailto:skulenite@skule.ca).

If you would love to make sense of everything we just said, then visit [www.skulenite.skule.ca](http://www.skulenite.skule.ca).





# Suds ...

Your home away  
from home

Suds is the engineering pub, the place where everyone comes to hang



out and have fun on a Friday night. 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. What can Suds offer you if you can't consume the alcohol? There's food, snow-cones, new friends and the occasional drunk alumni trying to relive the best years of their lives (which were all spent at Suds).

First, you must learn the rules of Suds:

1. All activities that take place 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 (it's a real licensed facility people)
4. To drink Suds alcohol you must be wearing a Suds wristband
5. To receive a Suds wristband you must provide servers with valid ID to prove you are 19 or older (health cards and iron rings are not valid ID)

Now that the rules have been established, all the wonderful qualities of Suds, that are offered nowhere else on campus, can be revealed.

Suds is a great place to meet other students, everyone from other students in your class to upper-years. Upper years can give you advice, hit on you with bad pick-up lines, and give you mono (if bad pick-up lines turn you on). They cannot give you their old G1 or G2 because they probably don't have it anymore, or their picture looks nothing like you (silly Frosh).

If meeting people is hard for you, and it is for a lot of engineering students, then participating in our tournaments (for sports like foose-ball/gitz, indoor soccer and atrium hockey) or coming out to our event nights (featuring live bands, comedians and karaoke) will give you conversation starters better than any beer ever could.

Suds is events-central during Frosh Week and Godiva week (the number 1 and 2 most fun weeks of the school year, respectively). During Frosh Week, Suds is the indoor base in a game of tackle tag against the artsies. It's also the air conditioned area that Skule™ Patrol will bring you for a drink of water if they mistake your boredom for heat stroke during the Frosh picture. During Godiva week, Suds is the place where all major events happen because it's frikin' cold outside and no guys would enter Mr. Blue & Gold for fear their "junk" would look like a cocktail weenie. Basically, Suds is the heart of all major engineering events, pumping engineering students out to reek havoc on the surrounding campus and then sucking them back in to rejuvenate them with food and beverages.



If you like the sound of Suds, but think consuming non-alcoholic food and drinks would not

be as much fun as serving alcoholic food and drinks to those who can legally consume them, then you should be a Suds server. A Suds server gets to wear a cool t-shirt and pour the beers. Other engineers will worship you for providing them with the means to celebrate their Friday night even though they just failed a midterm, and you get hang out with all the other cool servers and sometimes cool managers (plus you only have to be 18 to serve). If you are interested in serving at Suds, sign up for the staff mailing list at <http://suds.skule.ca> and you'll find out when server training happens and all the other important information that servers need to know.



Come out to Suds folks, it's neat! Seriously, they'll make it as fun as legally possible!

*Suds Operations Manager*

*Jonathan Hollands  
M&H OT5 + PEY*

*Suds Finance Manager*

*Catherine Korinek  
CW OT6*

## Engineering Stores

Are you feeling agitated and nervous about the first day of school? Don't know where to get the best deal on first year textbooks and school supplies? Worry no more, because Engineering Stores has been providing our students with all of that and more since 1891. Whether it's textbooks, pens and pencils, or clothing to delay laundry day just a little bit longer, we've got what you need.

At Engineering Stores, you will find everything from stationary and drafting supplies, to magazines, playing cards and much, much more. Stores has items not available anywhere else on campus, like faculty paper, Engineering report covers, Austrian set squares, and official Skule™ merchandise. Most importantly, we sell the CHEAPEST first year textbooks on campus!



The class of OT9 will be the first to experience our new and improved services, including an online ordering system for your Frosh kits and textbooks. Check out [stores.skule.ca](http://stores.skule.ca) and place your order today. Ordering early over the Internet lets you pick up your textbooks without waiting in line as well as take advantage of our early bird discounts.

We'll be introducing new products every month throughout the year, so be sure to stop by the store in the basement of the Sandford Fleming Building, right next to the Engineering Society Office. Or better yet, check out [stores.skule.ca](http://stores.skule.ca) for everything you need.

If you have any questions about Stores, don't hesitate to send an email to [stores@skule.ca](mailto:stores@skule.ca)

*Stores Operations Manager*

*Mandy Tong  
E&E OT6*

*Stores Finance Manager*

*Don McAuslan  
ENGSCI COMP OT4+2*

# Engineering Jackets

As you walk around campus you may find it common to see someone, or a



group of someones, parading around in a black leather jacket with the words "University of Toronto Engineering" on their backs. If you ever found yourself wondering what these jackets are all about, then you've conveniently flipped to the right page.

First and foremost, it is important to understand the following:

**FIROSH CANNOT OWN AN ENGINEERING JACKET!**



Why might you ask? Well it is entirely because engineering leather jackets are an honorable possession obtained only by those who know (and love) the pain, and suffering we like to call engineering. Your engineering jacket is something that you must earn, proving yourself worthy only by surviving at least one year at Skule™. Though it is possible to buy leather jackets in your first year, it is strongly discouraged for the reason that you will be mocked and ridiculed by your engineering counterparts.

So now you're asking yourself, "Why would I ever want a leather jacket?" Besides the fact that these jackets will provide you with warmth in the winter and shade in the summer, engineering jackets are the best thing since sliced bread! Your jacket can be designed however you may want it, with anything and everything you could ever imagine fixated to the exterior. The versatility of an engineering jacket is most desirable, providing you with not only with a means of letting everyone know just how much ERTW, but also something to sit on, throw around and wipe up various spills with, all while retaining a professional look.

Once you get your jacket, you can choose to get it weaned. To provide your fresh, new jacket, which smells much like the inside of a brand new car, with an aged, worn, "I've been places" look there are people who can assist you with that. This process begins with copious amounts of BEvERages poured on the lovely white letters, followed by the smearing of toikes into the letters to provide a darker, tinged look. The jacket is then dragged once around the atrium in the counter-clockwise direction to pick up all the finest grime that the atrium has to offer. For the purpose of providing the owner with increased maneuverability while wearing the jacket, appropriate stretching is done to the jacket through games of tug of war, jacket slapping tournaments as well as good game of soccer. The weaning is ended off with the addition of seven secret herbs and species to add a most enjoyable flavor. This process is entirely done upon the request of the owner, and those who do not wish this procedure upon their jackets are not required to have it done.





## Engineering Communications

You probably think Skule™'s publications



are written by domesticated llamas in the engineering communications complex. You goof, it's an office, not a complex.

According to the Engineering Society's constitution and bylaws, the Eng Com Director must help to manage legal and ethical obligations of the Society's 4+ publications. However, for the upcoming academic year, the director will also temporarily stand in for our robotic sweeper droid, Spitty, who is in the shop with a broken mop.

*EngCom Director*  
**Zach Martin**  
*MELH OTS*

## The Cannon ... the "official" newspaper



# the CANNON

*Serving University of Toronto engineering students since 1978*

The Cannon—the official student newspaper of the Engineering Society—is a very strong, engineering-centric newspaper designed with only the interests of undergraduate engineering students in mind. It provides informative written news concerning the Society (the cooperative of which you are a part for the next four or more years), your education, and the engineering profession. It is the sole regular news source (of this several that are available to you) that is entirely engineering-student-produced. Expect to find information that helps you (as well as your upper-year colleagues), in articles about applying for a PEY, settling academic troubles, or landing a decent summer job, for instance. It also reports on student initiatives and investigates the usefulness of services provided by the faculty. Readers will find out how University issues are affecting our faculty (like budget cuts and construction on campus). The Cannon will keep you up to date with current and upcoming events from the vast array of clubs. And of course it details the success of activities including Frosh Week, Godiva Week and Skule™Nite. When you arrive in September, look for the first issue of the year hitting newsstands in the middle of Frosh Week, covering the orientation of your class—OT9.

At The Cannon, we always welcome submissions. No experience is necessary—if you need help getting started, we can assist you. Moreover, we are actively recruiting staff reporters and layout gurus. We will be having a general meeting on the week of September 12 for anyone (that means you) that is interested in contributing to the publication. For details, look for announcements and posters during Frosh Week. You should attend if any of these apply to you:

- You wrote for the school newspaper, or knew someone who did
- You like stories

- Your interests include more than "just Java" or "solely structures"
- You are interested in producing the paper's layout
- You know how to use a computer keyboard
- You like taking photographs
- You've wondered why she says she likes the nice guy, but ends up with the jerk
- You want to write something which people will find insightful, and/or informative

Please sign up for the contributors' mailing list now by e-mailing [cannon@skule.ca](mailto:cannon@skule.ca)!

*Editor-in-Chief*  
 Jeff Harris  
 MECH OT6 + PEY

The Toike Oike <sup>toy-k-ee</sup><sub>oyk</sub>



Now I know what you're all thinking: I'm in engineering now, I have to be quiet, awkward and antisocial.

Well, contrary to popular belief we're not just a bunch of socially awkward super-nerds who only shower every other Tuesday (unless you're in ECE). We're actually the most spirited faculty on campus with dozens of clubs to join. That's where I come in. I'm the editor of The Toike Oike this year. The Toike Oike is University of Toronto's only humour newspaper and it is run by engineers (Would you believe it? We have a sense of humour too). As editor I'm responsible for putting out this crazy awesome newspaper every month until my term is up or until I'm fired. Whichever comes first. Now I can't do this alone. I need a staff of super funny writers, semi-funny graphics artists and other somewhat funny people to do other somewhat funny things. Most of which I don't want to name right now. Now some of you may think that you're not funny. I'm not gonna lie to you, you probably aren't. But you can still help! We need layout artists, copy editors, and distribution managers.



You may ask yourself if the Toike is right for you. And if you do, let me assure you: Yes. Yes it is. If you are interested in writing, layout, graphics, copy editing or just helping out with an awesome newspaper drop me a line at [toike@skule.ca](mailto:toike@skule.ca) and we'll see where you fit in. Or if you're feeling lonely and you need someone to talk to, feel free to email me. I'm a great listener. In the meantime, check out our super cool website at <http://toike.skule.ca> and go through some of the old issues. If you like what you see, let me know. If you don't, all the more reason to help out! Either way, I look forward to hearing from you!

*Editor-in-Chief*  
 Mei Ling Chen  
 CHEM OT7

# Skule™book ... Your yearly yearbook!

The editors of the Engineering yearbook



(henceforth referred to as "Skule™book") regret to inform you that the production of this annual publication has ceased forevermore due to the recent global shortage of paper. Trees, as it seems, are no longer made of wood and millions of lumberjacks, now unemployed, are looking into the increasingly lucrative business of prime time television courtroom bailiffing. Judge Judy has declined to comment on the situation.

As a result, the Skule™book will not be published this year, or ever again in the future. (That is, until trees are once again 100% wooden.) However, we are pleased to unveil a new and wholly magnificent and ultra secret project to replace the Skule™book. We call it "The Wholly Magnificent and Ultra Secret Project."

You are urged to keep on the lookout for more information about The Wholly Magnificent and Ultra Secret Project. We may or may not be recruiting photographers and artistically inclined individuals to be a part of the Wholly Magnificent and Ultra Secret Staff. If you feel the burning desire to contact us, you may do so at [skulebook@skule.ca](mailto:skulebook@skule.ca). We welcome questions, comments and witty riddles that have frivolous answers.

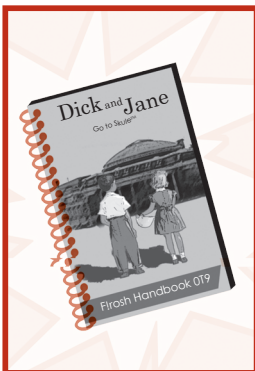
Skule™book Editors  
Holly Wonch      Chris Doan  
MSE 016      E&E 017

## F!rosh Handbook (this!)

### Ode on the Mammoth Handbook (Weighing over 7,000 pounds)

We have seen thee,  
queen of books,  
Sitting quietly with your looks,  
By hands of Frosh  
you will be took,  
Hence we name thee...  
Frosh Handbook.

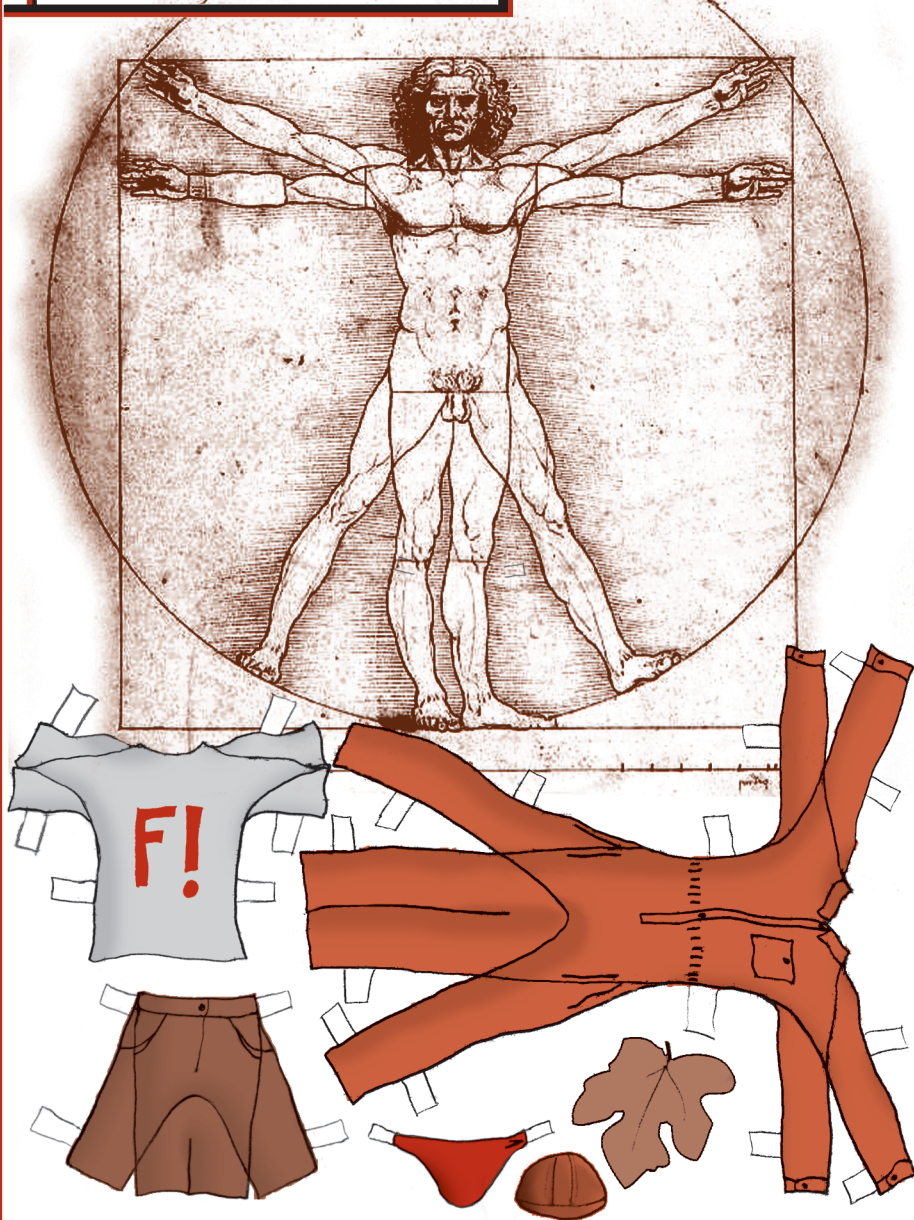
All gaily dressed soon you'll go  
To all the  
Frosh in the know,  
To be admired by many a beau  
In the city of Toronto.



Of cruel folks beware of these,  
For some of them  
might rudely squeeze  
And rip your bind,  
then songs and glees,  
We could not sing,  
that would not please.

We'rt thou suspended from balloon,  
You'd cast a shade even at noon,  
Folks would think it was the moon  
About to fall,  
and crush them soon.

Cut Me Out! Get me ready for  
Frosh Week!





**Boy-O  
Boy!**

*But they sure are tasty!*

*A Crispy Chip,  
that's Keen and Hip!*

*Myrtle's*  
**Salted**  
*Potato Chips*



Back of Paper Doll (Fold from top to cut away!)



# Clubs & Teams

## Fun with Sports

"See all of the clubs,"  
Said Jane.  
"Organizations, designs  
and teams!  
And fun sports too."

"Oh Jane," Said Dick.  
"You already joined a club,  
Do you want to join  
a sport too?"

"Oh, I guess not," Said Jane.

"Look, design teams!"

See Dick. Dick is choosing team

Said Dick.  
"The design team  
makes cars.  
I want to be in.  
I want to be in  
a team with cars."

"Oh Dick," said Jane.  
"You already joined a  
sport,  
Do you to join a team  
too?"

"Oh I guess not,"  
Said Dick.  
"I guess I have all  
the sports I want."

"I know," Said Jane.  
"We will go and sign  
up for our clubs.  
We'll be in sports,  
and teams,  
and organizations,  
and clubs.  
We will be in all of  
the things we want  
at Skule™."

And they ran  
to sign up.



members. Dick chose Sally. Silly Sally can't see him.



# Discipline Clubs

Something swell to note is that these clubs are ever-so exclusive, but completely inclu-



sive to those in their respective disciplines. Huzzah, for automatic membership!

## Chemical Engineering Club

Hey FIROSH welcome to Chem Eng! Chem Club brings you lots of events, so that you can have fun even when it's not Frosh Week! Enjoy our annual events such as the smokers (where you'll get to mingle with Chems of all years), the Chem Dinner Dance, ski trip, bake sales, fooseball tournaments (that's right, we've got two fooseball tables), BBQs and much more. We even help with the academic stuff, running book swaps and putting together course packages. Look out this year for our new charity events, soccer and basketball tournaments, and other crazy events. Don't forget about the Skule™ wide events too, like the chariot race and the new monthly interdisciplinary competitions. If you have any questions email us at [chemclub@skule.ca](mailto:chemclub@skule.ca) or check out our brand new website at [www.ecf.utoronto.ca/~checlub/](http://www.ecf.utoronto.ca/~checlub/).

## Civil Engineering Club

So you're in Civil Engineering, eh? Well, then you must come take part in our club! With an awesome staff giving their time and strength to bring you a smashing year, the Civ Club brings you many events. We organise smokers (so that students hovering on the fine line between boredom and insanity have a place to drink, eat, drink, socialize and drink), the Civ dinner (i.e. a smoker with really nice and classy attire in a luxurious dining hall), movie nights (thank you Orville Redenbacher...) and the Great Northern Concrete Toboggan Race (we kid you not! we build a toboggan... out of concrete baby!). Visit our website at [civclub.skule.ca](http://civclub.skule.ca) for more details.

## Electrical and Computer Engineering Clubs

Welcome, Frosh, to the best discipline club at Skule™! The Electrical and Computer Engineering Clubs, just like the disciplines themselves, are two separate, but very tightly knit clubs. What do we do? We look after our common room - currently in the Engineering Annex. Our common room contains many things, including cable TV a free phone, foosball, and much much more! We have old exams and survival tips on our website, <http://ececlub.skule.ca>. We also run events to allow you and your friends to get your mind off studying for a bit. There's a Dinner Dance in November, smokers (no actual smoking involved, just casual get-togethers with cheap food and drinks), movie nites, barbeques, foosball tournaments... and if you want to see an event, e-mail us and we'll make it happen! Become a class rep, or even just send us an e-mail at [compclub@skule.ca](mailto:compclub@skule.ca) or [elecclub@skule.ca](mailto:elecclub@skule.ca), or just drop by our club office in SF B640. We'd love to get you involved!

## Engineering Science Club

The Engineering Science Club is here for you, the students of EngSci. The club was established to enhance your experiences at Skule™. From organizing various social and athletic events such as the annual Dinner Dance and ski trip, to holding tutoring sessions and helping local charities, the EngSci Club offers a multitude of events for you to participate in. We will work closely with you through class reps to listen to any of your concerns/ideas and to also inform you of various upcoming events. The EngSci Club represents you to the Division, Faculty, and the Engineering Society. we look forward to meeting all of you in the fall. Feel free to contact us at [engsciclub@skule.ca](mailto:engsciclub@skule.ca) or check out our website <http://engsci.skule.ca/> if you have any concerns.

## *Industrial Engineering Club*

Welcome to the Indy Club!!! A little bit about us, we hang out with the Mechs a lot - don't worry, they're fun. There's an MIE dinner dance in November, a super fun MIE Getaway up at Hart House farm in September and we share a common room (which will be freshly renovated for September, yay!!!). We also have BBQs, coffee houses and all sorts of other fun events like textbook exchanges (okay, so that's more useful than fun, but you get the idea). Indy Club has a class rep for each year, so if you're the type who likes to get involved we'll have elections in September, and if you're the type who likes to sit back, relax and let everyone else run the events that's cool too, just show up and enjoy. If you have any events you want to see happen for next year send us an email at [indyclub@skule.ca](mailto:indyclub@skule.ca) and we'll hook it up, or check us out at [www.mie.utoronto.ca/ieclub](http://www.mie.utoronto.ca/ieclub) for more details.

## *Mechanical Engineering Club*

The Mechanical Engineering Club loves you. We are awesome, awesome like a possum some might say. When we're not busy holding wicked events or winning the Chariot Race, we're probably doing something else that's equally sweet. Come join us! Some of the events you can look forward to are friendly smokers where you can meet other Mech students, the lavish Mech dinner dance where you can get all dressed and powdered up and look all pretty, meat-filled (and vegetarian...) barbecues, a fourth year trip to Montreal (experience of a lifetime!), and a coffee house. We're always looking for new ideas and opinions from all our Mech students, it helps us make Skule™ that much more awesome for everyone! So, come out and help make your UofT Engineering experience complete! The easiest way to get involved is to drop us an e-mail at [mechclub@skule.ca](mailto:mechclub@skule.ca), or visit our website at [www.mie.utoronto.ca/meclub](http://www.mie.utoronto.ca/meclub).

## *Mineral Engineering Club*

What other discipline can boast a hefty \$5 million donation from the world famous Pierre Lassonde, CEO of Franco and Euro-Nevada Mining Corporations Ltd.? None... therefore, this is a direct indication of how the Min club is (obviously) the best discipline club there is. So for those of you accepted into mineral engineering, get ready to delve into the world of rocks and crazy student life! Our job is to make you feel at home here, because face it... you're in for the long haul. Your job is to make sure you show up at our monthly smokers, the dinner dance and hang out in our new and ultra snazzy common room in the mineral building. So, if you have any questions or concerns (or if you just feel the need to experience the thrill of e-mailing someone...) send us an e-mail at [geoclub@skule.ca](mailto:geoclub@skule.ca).

## *Materials Science and Engineering Club*

Welcome to the Dept. of Materials Science & Engineering! The next 4 years will be the time of your life, provided that you make the most of it. The MSE Club is here to help you do that. Begin by making trips to the MSE Undergrad Common Room, and one of the most happening common rooms on campus. Come to our smokers, where you'll have the chance to mingle with upper years, have fun, and get to know your own classmates outside of a class/lab setting. It's character building! Get/stay in shape by coming out to our sporting events! We always put forth a scary turnout to Skule™-wide events such as the Chariot Race (regardless of what's said and bribed, we've got the best chariot!). Keep your eyes and ears peeled for events, starting with the September Book Swap where you can meet upper years, and score cheap textbooks. Pop by WB 143, or e-mail [mseclub@skule.ca](mailto:mseclub@skule.ca) and check out <http://www.mecf.utoronto.ca/~mseclub> for more details.

# Concrete Canoe

Do you want to keep fit and have fun while applying



your engineering knowledge towards a national competition? Have you wanted to gain practical experience outside of the classroom as a part of one of the University of Toronto's largest engineering clubs? Then come join UofT's Concrete Canoe Team where students from all reaches of the university come together to design, construct, and race a canoe made almost entirely of concrete!

Canoe's mandate is always to have fun and show spirit through every stage of the project. From initial mix testing and hull design, through casting and the final national competition, members will gain valuable team skills as well as practical experience in a number of fields including sponsorship, construction, concrete mix design, and computer modeling to name a few. The Canoe team has consistently been a presence at the national competitions, and for as long as we can remember we have placed within the top five at the competitions.

The Canoe team is open to students from all over the university, including arts and science as well as engineering students. Whether you're in civ, indy, engsci, chem, mech, whatever, there is a place for you on the team. Previous years' canoes are on display on the first floor of the Sandford Fleming building outside of room SF1101 near the atrium, and further displays will be around during Frosh Week. For more information, news, and past years' teams, visit <http://canoe.skule.ca>, or email canoe at [canoe@skule.ca](mailto:canoe@skule.ca).



## Project Managers

Kimberley Rose      Cam Fraser  
CHEM 016 + PEY      ENGSCI AERO 017

# Blue Sky Solar Car

(Taken from the Blue Sky website: [www.blueskysolar.utoronto.ca](http://www.blueskysolar.utoronto.ca)) 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 sight of a solar car and the excitement of solar racing generate the "cool" factor, which often acts as a catalyst that leads to further innovations down the road. The car's unique shape, distinctive sound and intriguing concept captivate 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 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.



**Formula SAE Racing**  
**University of Toronto**

Motor sports in your blood? Want to be part of a winning team? Get the practical experience and teamwork skills employers look for, and have fun building a pure-bred race car. All graduate and undergrad students currently enrolled at the University of Toronto are welcome.

The Formula SAE project allows students to apply classroom theory in a real and exciting engineering environment. Learn to build an intake system, design an aerodynamics package, or tune a race car during testing.

In addition, students will acquire the chance to develop managerial, leadership, team communication skills and gain recognition at public events. Events such as the Toronto International Auto Show, the Toronto Molson Indy, the Formula SAE Competition, and the Formula Student Competition all provide students with the chance to exhibit their hard work to the public, travel abroad and to recognize the sponsors that make this project possible.

Our car will be on display during Frosh Week in the area of the Mechanical Building. Announcements will also be made during the week as to the time and location of our Recruitment meeting. However, if you want to start early you can visit our workshop in Haultain Building Room 102.



For updates on news and events including finding out more about the team please visit our website at [www.fsae.utoronto.ca](http://www.fsae.utoronto.ca). Contact the team's Recruitment Manager, Kevin Key ([kevin.key@utoronto.ca](mailto:kevin.key@utoronto.ca)) for more information.

# EAA ... *Central command for all that is sports*

Everyone knows athletes are sexy! So join an engineering sports

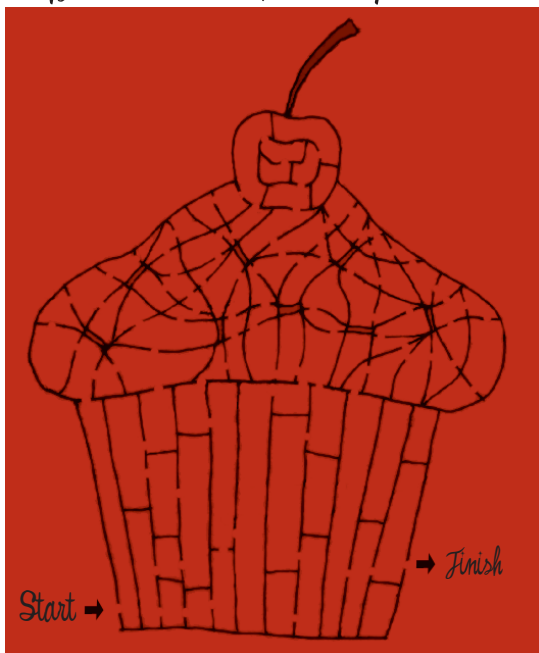


team! This is your chance to get some exercise, work off the stress of classes, and give artsies one more reason why we're better than them. Engineering



consistently wins awards for both achievement and participation, so whether you're a varsity calibre athlete, an out of shape slob, or anyone in between, we have a Skule™ team that's right for you. We have women's, men's, and co-ed teams, you can play just about any sport, and we have a wide range of clubs (juggling, rock-climbing, football...). Aside from being an excellent way to keep off the 'freshmen fifteen', playing on a sports team is a great way to meet new people. Teams have parties during the fall and everyone gets together to celebrate the year at our S(ports)-Dance in April. Playing on a team will be something you'll never forget (unlike most of the stuff you'll learn in class), so don't hesitate to stop by the office (SF basement), e-mail us ([ea@ecf.utoronto.ca](mailto:ea@ecf.utoronto.ca)), or visit our brand-spanking new website where you can sign up at [ea.skule.ca](http://ea.skule.ca).

## Fun Break #2: Solve the cupcake maze!



## Clubs, Services, & Organizations

None of those big pages perk your interest? Well, here's a



bunch more from those multi-faceted engineers... which still only scratches the surface... and even if you don't find any you like, you can always make your own! Be sure to go to [skule.ca](http://skule.ca) to see all the clubs available.

### Alumni Association

On behalf of the Engineering Alumni Association, we take great pleasure in welcoming you to the wonderful world of Skule™. After you complete your undergraduate program, you too will be an Alumna/us of our Faculty. It's not too early to think about what this means. We are proud of our Alumnae/i and what they have achieved; there are 27000 of them around the world. Visit the Hall of Distinction outside the library to see some of the displays of its Inductees. Our Alumni have been very generous in giving back to Skule™. The Alumni Annual Fund goes towards: Orientation Activities; Cannonball and Grad Ball; Skule™ Nite; Engineering Society Publications; LGMB and the Skule™ Stage Band; Engineering Athletic Association; Ontario Engineering Competition; Club Projects such as the Concrete Canoe & Toboggan, Solar Car, Formula SAE Car, Mining Games, Robotics, Engineers Without Borders to name just a few. The Engineering Alumni Association office is in GB 147 if you have any questions or problems, please drop by... the door is always open!

### CESA

The Chinese Engineering Students' Association is celebrating its 31st birthday this year! CESA was founded by Chinese engineering students and to date, its members (about 600) include not only Chinese engineering students but also students from other faculties and of other ethnic backgrounds. CESA's primary goal is to promote friendship and communication among students, teaching staff and alumni. Moreover, it is hoped that these events will help first year students quickly feel at home in the big UofT family. In addition, CESA looks after the interests of its members through organizing the sales of used textbooks and past papers as well as getting support from over 350 businesses to offer shopping discounts to our members. For more information, check our website [www.cesaonline.com](http://www.cesaonline.com) and discover it for yourself.

### CFES

The Canadian Federation of Engineering Students (CFES) is an umbrella organization for engineering societies across the country. Its primary goal is to facilitate the exchange of ideas and host activities at a national level. For more information, check out the CFES website at <http://www.cfes.ca>.

### Engineering Prayer Group

The Engineering Prayer Group is a group of Christian students who meet several times each week at lunch time to spiritually encourage and enrich each other's lives through prayer and fellowship. Meetings are open to all, and are a great place to meet upper-year Engineering students with similar interests. For meeting times and more information, refer to our website, <http://epg.sa.utoronto.ca>, or e-mail [engineeringprayergroup@yahoo.com](mailto:engineeringprayergroup@yahoo.com).



## ESSCO

Vision, communication, and action: this is the motto of the Engineering Student Societies Council of Ontario. The purpose of ESSCO is to act as a communication link between all fifteen Engineering Societies in Ontario, the PEO (Professional Engineers of Ontario), OSPE (Ontario Society of Professional Engineers, and CODE (Council of Ontario Deans of Engineering). For more information, check out our website at [www.essco.ca](http://www.essco.ca).

## EWB

Engineers Without Borders envisions a world of opportunity, dignity and freedom, where all people can meet their basic human needs and attain their full potential. Unfortunately, we see a world in which billions of people in the world's poorest communities struggle every day in the face of great adversity.

As engineers, we believe in the power of technology to drive extraordinary change. There is great potential for people to use technology to improve their livelihoods, but it must be properly harnessed - incorporated into each community's social, cultural, historic, economic and political context.

Thus forms the basis of our work: both overseas, on appropriate technology projects in developing countries; and in our university chapters across Canada, trying to understand the complexities of development and attempting to effect change locally.

## First Year Initiative

Student Services created the FYI (First Year Initiative) Program so you can discover the many services that are available and to help you make the transition into university life just a little easier. There's a long list of seminars and workshops on learning skills, career development, personal and psychological issues, housing questions, student family concerns, international and Aboriginal issues and health and wellness. Get involved today! To find how, visit our web site at [www.studentsservices.utoronto.ca/fyi](http://www.studentsservices.utoronto.ca/fyi).

## First Year Office

Hello to the class of OT9! On behalf of the First Year Office, I would like to extend you all a very warm welcome. What are we? Well, we are the office that you come to if you have any questions at all. We are located in the Registrar's Office (GB 157) and we offer services specifically related to you; to your transition, your academics, and any other problems you may face in your First Year. You have received information about us in your admission package - namely your Guide to First Year. Read it. That is the best advice that I can give you right now. If you have any questions when you get here, anything at all, please come in to see us.

## KESA

The Korean Engineering Students Association is a socio-cultural organization whose purpose is to bring together all Canadians of Korean origin and others who wish to share the rewarding experience of inheriting the rich Korean culture. KESA has been around for nearly 15 years, and during the past few years it has organized numerous major events to bring its members closer to each other than ever before. To find out more, e-mail [kesa\\_online@hotmail.com](mailto:kesa_online@hotmail.com).

## LGBTOUT

LGBTOUT ENGINEERING is a group where students of all levels of openness may come and find a social outlet to meet other students in a fun and safe atmosphere! Last years activities included our second annual wine and cheese and a village pub tour leading over 60 engineering students both gay and straight to some of Toronto's most outrageous gay bars! Queer allies are welcome. For more information about LGBTOUT Engineering, ways you can get involved, and to stay informed about upcoming events, send an email to [lgbtout@skule.ca](mailto:lgbtout@skule.ca). Confidentiality is assured.

## NSBE

The National Society of Black Engineers experience empowers every member to reach his or her full potential. We are encouraging our membership to continue the legacy while maintaining leadership roles in NSBE, Black communities, and other professional organizations. We instill pride and add value to our members, which cause them to want to give back to NSBE in order to produce a continuum of success.

## Stage Band

The Engineering Skule™ Stageband is a group of students with a passion for jazz music. We are a full 19-piece jazz band, with weekly rehearsals leading up to performances held several times throughout the year. If you played in a high school jazz band, the Stageband provides an excellent way to keep your chops in shape and to meet other students sharing your interests. Open rehearsals will be held in September, so be sure to bring your instrument to Skule™ when you come. For more info, e-mail [stageband@skule.ca](mailto:stageband@skule.ca).

## Space Design

The University of Toronto Space Design Contest (UTSDC) is an annual contest for high school students. Teams of up to five compete by developing a design for a particular space related project and presenting it in a medium of their choosing. It is important for today's youth to explore the potential of space and keep the vision of humans in space alive. This is the mandate of the UTSDC.

## WISE

WISE UofT is a co-ed student organization open to all persons in the UofT community. The goals of WISE are: to encourage young women to seek higher education and achievement in science, engineering, and related fields; to create an academic and social network for female students in these fields of study; to inform students about academic and career opportunities, as well as contribution by women in these fields, and to help women feel comfortable in school and to prepare them for the challenges that lie ahead in the work-force. Get connected to a world of opportunities. Contact WISE at [wise.club@utoronto.ca](mailto:wise.club@utoronto.ca), or at the website at <http://wise.sautoronto.ca>.

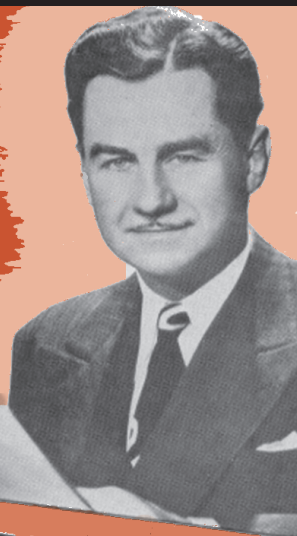
## Engineering Community Service Committee

We are a group of engineering students who want to help the University reach out to the Toronto community. The committee organizes on-campus charity events which can be enjoyed by all engineering students. The committee also organizes volunteers to participate in Toronto wide events. There are many different types of events and many opportunities to get involved throughout the year. Look out for information about CIBC Run for the Cure and CN Tower Stair Climb in the fall.

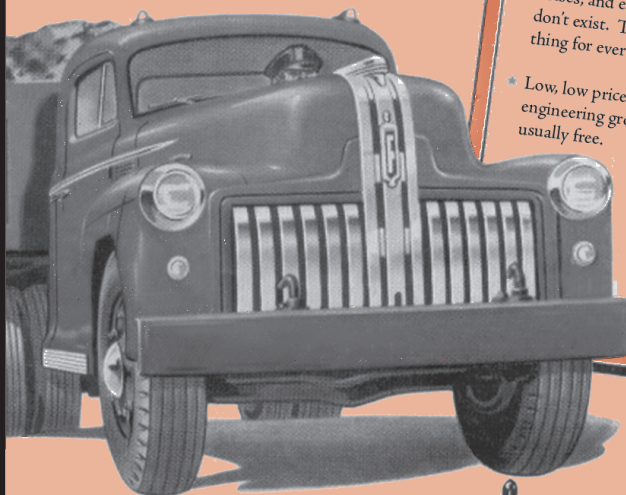
# "I Saw Motor Truck History in the Making" ...

*Says*  
**Lowell Thomas,**

*Famous Newscaster,  
Writer and Explorer.*



Trucks are a lot like Skule Spirit - strong, dependable, and a great way to start discussion. But just like any half-ton crew cab, Skule Spirit requires a lot of work and routine maintenance. The good news is that the labour is free, and the even better news is that you've got an entire year to learn the ropes and test the water. Whatever your fancy, the most important thing to do is get involved. Now pass me that replacement carburetor so we can get this Federal out on the interstate - I can't wait to feel the wind in my toupee.



**THE ALL-NEW FEDERAL**  
*Style LINER*  
GIVES YOU OVER  
**100 NEW AND IMPROVED ALL-TRUCK FEATURES**

- \* Variety - we've got groups that play instruments poorly, make very loud noises, and even some that don't exist. There's something for everyone.
- \* Fun - contrary to popular belief, participating in extracurricular activities is actually more fun than calculus problem sets, lab reports and root canals.
- \* Tradition - many famous people have graduated from U of T engineering, and our archives hold proof that they got up to some pretty crazy stuff while they were here. If Skule Spirit worked for them, it can't be all that bad.
- \* Low, low prices - joining engineering groups is usually free.

**WRITE FOR  
FREE COPY**

Be sure to write for a copy of "I Saw Motor Truck History in the Making." It will convince you your next truck should be a Federal *Style LINER*.



## FEDERAL



## TRUCKS

A FEW DEALER TERRITORIES STILL AVAILABLE. DETAILS UPON REQUEST.

Leadership - Skill - Vigour - Skule Spirit

# Lifestyle & Fun

## Sally Gets Ready

Sally said "Look, Jane.  
I am packing,  
I am ready for Skule™.  
I can go to Skule™ now,  
I will go to Toronto now.  
Look, Dick,  
See me go around Toronto."

Sally said, "See  
where I go.  
I go to university, and  
I go around Toronto.  
I say goodbye Jane,  
goodbye,  
I say goodbye Dick.  
Good-bye, good-bye."

"You funny baby,"  
Said Dick.  
"You are not  
going to university,  
You cannot come  
with us. Jane and I  
will go to Skule™.  
We will go to Skule™."

Sally is packing for Skule™. Silly Sally

packed too much!



## Residence ... *To boldly go where no frosk has gone before...*

Wow-whee, residence means no more begging your folks for that extra hour in the



malt shoppe, or for fifty cents for some taffy. But there are some things you ought to know if you don't want to land back in your parent's cradle the following year. Pay attention kiddos!

### *Cooking and Eating*

If you still think the microwave is your best friend then maybe it's time for you to be introduced to its cousin, the stove. Cooking isn't really that hard once you get started on it. Give it a try over the summer and make sure you know how to make all three meals. Make healthy choices, eat a variety of food. After all, mommy will not be around to nurse you back to health when you get sick. Besides, fruits and vegetables are usually cheaper than junk food.

### *Laundry*

We know that as a first year engineering student, there is a lot for you to handle and learn. However, one thing that you should not neglect is doing the laundry. If bringing home the smelly T-shirt that you've worn all week over the weekend so mommy can wash it is not an option, there are always laundry machines and dryers available in residence. Don't forget to separate the colours and read the symbols on the tags before hand. If you don't know what the symbols mean, learn them! Don't worry, there is no Greek alphabet involved.

### *Cleaning*

In residence, nothing is magical. Dirty dishes will not get up and walk to the sink, and shower. In fact, nothing in your room is going to get up and bring itself back to its original state. It's entropy, get used to it. Get into the habit of cleaning after yourself because your roommates are certainly not going to be doing it for you. Also, keep in mind that even though there may be a cleaning staff in your residence, it doesn't mean you can make a mess of places beyond the boundary of your room. After all, you wouldn't litter in the living room at home, how is it any different in res?

### *Socialize*

As amazing as it may seem, locking yourself up in your room to study isn't the only life you have as an engineer, at least it shouldn't be, think of how unhealthy that is. Coming out of your den once in a while to take a stretch and socialize with your housemates or floor mates is a good idea. Most houses will plan events, so enjoy your time in residence, as it gives you the chance to meet people that are older than you or are in a different program.... or even faculty. These are people that you won't normally see in class. You did come to residence with more than just a yearning to get away from your parents, right?

### *R-e-s-p-e-c-t (Just a little bit)*

For most of you, this will be the first time you'll be away from home for an extended period of time. There will be furniture and facilities in residences that you are entitled to use but you are expected to treat them as if they were your own. You will also meet many different people. Respect their differences, privacy as well as their studying time. Understand that they may not appreciate loud music as much as you do, especially during exam time. If you treat others with respect, it is certain that you will enjoy your time in residence a lot more!

# Residence Checklist

If you are among the many who are leaving the safe, comfortable, confines of



your parents' home, there are some things you should most certainly remember to bring. The word from the bird is that your pad at Skule™ won't fit every neat thing you own and love, so learn to pack like a kid in the know does:

1. **The Towel** – A towel is of utmost importance to anyone living in res. Towels make it so that "naked runs" to and from the showers are unnecessary after your cleansing experience is complete. Also, bringing your own towel will make your roommate extremely happy, so that their towel does not become the "communal towel". Aside from the above mentioned uses, a towel is important for cleaning up spills, sleeping on, rolling up and whipping your roommate with, among many other things.
2. **A Working Computer** – Come on face it, can you live without your computer? If you answered "yes", that will soon change. Sad to say, but the Internet becomes your only source of staying connected to "the outside world." The university has a fast internet connection, take advantage of that! Laptops are portable and most have wireless capability, which comes in handy. A computer is needed strictly for school work, and by school work we mean "school work."
3. **An Alarm Clock** – When choosing an alarm clock, keep this in mind: Try finding the one that emanates the loudest, most annoying sound possible, with large numbers, so that it can be placed far, far away from your bed. Then proceed to buy four of them, you'll need them.
4. **Band-Aids** – For life's little boo-boos.
5. **Food** – You will learn very quickly that your residence meal plan isn't all it's cracked up to be. On first thought, having all your food cooked for you seems rather convenient. It isn't. Not only can the food be rather unsatisfying, the cafeteria hours often won't match your busy schedule. It's a good plan to keep some food in your room, and some extra spending money to get a little (or big) something for yourself.
6. **Lighting** – If you plan on seeing what your room looks like any time besides the couple hours when the sun is out (which is conveniently when you are in class), more lighting is needed. There seems to be a lack of lighting provided in all residence rooms. If you want to get any work done, get another source of light. Power bars & extension cords are also handy.
7. **Duct Tape** – Duct Tape is just one of those things that solves all problems. The versatility of duct tape is EXTREMELY important for living in residence. Used to fixate all the lovely posters and pictures that will cover your walls, or mend your ripped backpack that broke under the pressure of your textbooks - and that's just the tip of the iceberg! In conclusion, buy duct tape.
8. **Medication** – It is important to stay healthy and happy so that you don't get sick and grumpy, in turn getting everyone else sick and grumpy. Keeping non-drowsy, pain curing medicine close by is helpful. Remember: A Flintstone vitamin a day keeps the doctors away.
9. **Earplugs/Earphones** – An effective way to block out the sound of the artsie party in the next room over, while you're attempting to study for your test the next day.
10. **Laundry Detergent** – Because no one likes the smelly kid.



# Commuting ... *Our friend the transit system!*

Don't fear the subway, trust us, we're professionals.



Now it's generally conceded that a subway here is needed,  
for students have to get to Skule™ each day.

We have men in Deseronto, girls who live in North Toronto,  
and to all of them we have just this to say:

Though the noise may be distressing,  
still construction is progressing,  
And we can't afford a further delay.

So with the help of you and me and the blessed TTC, you'll soon use the T.O. subway.

Yes, we've gotta have a subway in Toronto. We gotta get the engineers home pronto.  
So bear the noise with a smile and in a little while, you'll be riding in the T.O. subway.

Now with modern engineering dear College Street's disappearing,  
by the truckload they are hauling it away (Stay away!)  
Excavation so extensive will doubtless be expensive,  
but who cares about expenses anyway? (You've already paid tuition)  
Though we may have open Sundays, there are plenty of tired Mondays,  
when the Froshies start off to school every day.

The students do the swearing while the public do the staring, and you'll soon use the T.O. subway!

## *Tips for Commuters*

Firstly, commuting costs money, but it's still cheaper than residence. Unfortunately, those student discount cards that you have been pampered with throughout highschool will expire as you get shoved into the adult world. No longer is the excuse "There was a TTC jam" allowed and thus will not save you from coming into a test late. Though we cannot help you out if you happen to get the driver who doesn't understand the need for speed, there are some solutions to the money issue.

If taking the TTC is a part of your master plan to commute, tokens would have been the better way but with increase of fare your best bet is to invest in a metropass. Discount metropasses are available at SAC (Sux) office, so all you need to do is find out when they go on sale and get there as early as possible because these passes are in high demand.



If your mode of transportation happens to require parking, heed this warning, parking fees are expensive and every other street is one way and they never go the way you want. GO buses/trains are fairly safe and the walk from Union provides a wonderful stroll through the heart of Toronto.

And if you feel the need to shop on your way to Skule™, the underground mall is accessible for all of your consumerist tendencies. No matter how you make your way to Skule™, you will have the pride knowing that still living with your parents isn't as bad as you thought, I mean who else would clean up after you.

# Your Body and You

Nutrition  
and Hy-

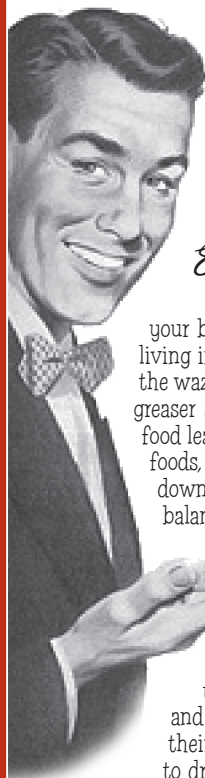
This is little Billy. Little Billy is wondering what he can do to



keep his body safe from invalid-ville. If little Billy knew how to read, this page would be quite useful to him! As it stands though the funny shapes on the page make Billy angry. Looks like Billy's imaginary friend, and part-time legal guardian, Herbert Hygiene is going to have to explain it all to him!

## Hygiene!

You won't be winning any back-seat bingo if you don't smell fresh. You'll be on a one-way train to germs-ville – population: commies! If you want to avoid getting cooties, your body and you need to shoot low and keep clean. That means making sure you don't smell like a square, or an ellipse, or any of those other smelly shapes that smarties don't come in. Keeping clean is all a part of staying healthy. After all, cleanliness is next to godliness... unless you're an atheist in which case it's next to bar of soap in your shower.



## Sleeping!

Most of you cats will be fighting to get even six hours of sleep a night, let alone the average eight to nine hours you used to get. You've gotta sleep when you can- don't waste your time in the bowling alley when you've got downtime! Exams will stress out your sleeping times, but you should be counting sheep 'round the same time every night so your body can get into a groove. Remember studying ain't easy when you're only semi-conscious!

## Eating!

One of the first things you hep cat Flosh forget to do once Skule™ razzes your berries is eat right! Only squares don't eat three meals a day! Whether you're living in your parents' pad or kickin' it in rez, not eating right will come bite you in the wazoo later on in the term. What kind of food are we talking about? None of that greaser stuff! Pizza leads to chicken wings; chicken wings lead to truck food; truck food leads to Scurvy-ville; Scurvy-ville leads to Communism!! Packaged foods, instant foods, and sidewalk gum are not meant for mass consumption! Make sure you chow down on the hippest veggies – it may cost some washingtons, but it's worth it. A balanced diet will get you a classy chassis, and you'll be made in the shade – that's what the robin's rockin' in his trolley.

## Drinking!

Now we know you kiddies go ape for the soda pops and the coffee when you're in a jamboree, especially during that exam bit. You need to burn rubber for that water cooler and get cookin' with the H<sub>2</sub>O. Coffee and pop might get you cranked, but you're cruisin' for a letdown bruisin' once their effects wear off. You've gotta stay hydrated and the only way to do that is to drink your water! If you do need to stay awake, coffee will do the trick but be forewarned: you'll get hooked like square... with a hook in it!

# Athletics

For when the spirit is willing, but the flesh is bruised and spongy.

Gee-whiz, getting in shape sure is fun! There are many places to do so on



campus, that'd you'd have to be born in lazy-ville not to do so. Two of the best are Hart House and the massive Athletic Centre. The one you choose to use is based on your preference of atmosphere and whether you want to bring a towel and recieve a lock or bring a lock and recieve a towel. Just remember to keep fit and have fun!

## Hart House

More than a mere health centre, Hart House has many amenities that are of use to the frazzled engineer. This institution of UofT boasts a plethora of services, from a restaurant cafe, multiple study rooms, a chapel, a barber shop and a store selling notebooks, swim gear etc. All of this is in addition to its famed athletic offerings. Hart House really is a student life centre.



The atmosphere of this establishment is classic, anything but antiseptic, the gyms are dimmer and the air is full of prestige. There are 2 main gyms, one for weight training and another that focuses on cardio, having cycles, treadmills and elliptical machines as well as a track. There are also an air conditioned cardio room, a ballet-esque room, a stretching room, a full sized basketball court and 3 squash courts. It also has a 25 yard pool.



## Athletic Centre

One of the most striking features of the AC is its Olympic sized pool, 50 m of chlorinated goodness. There are also 2 other smaller, 25m pools, a fieldhouse with a track as well as squash courts, a weight training gym as well as a full-sized basketball court.

The AC is a sprawling complex that is equipped to serve any and nigh all, of your athletic needs. They have courts of all sorts, gyms for all

whims and pools enough for all fools. If you are looking for a bright, clean and new place to spend some time, this is the place for you.

## Libraries ... *Your daily dose of brain-food!*

There are three really nifty libraries on campus. You wouldn't need to be



doing any research in them for your first year but they make great study spaces for groovy students such as yourself. It also provides a quiet environment for you to buckle down and work in. Perfect for when you have some spare time between classes that are too short to go too far away, but too long to just loaf around.

### Robarts

You can't miss this one. It is one of the main landmarks on campus. You know, that giant concrete peacock, yup that's it. You will be visiting this place before you begin class because this is where you get your UofT student card. Though Robarts is further away than the other libraries relative to the engineering buildings, you can be sure to always find a spot within the library. If you need to gain internet access, there are many computers on the main floor available. Some are for drop-in 15 minute uses and others can be booked in advance for a period of time (bring your student card!). Just as a side note, if you have never seen walls and walls of books then the Fisher Rare Book Library located in the "head" of the peacock is definitely worth a visit.



### Engineering & Computer Science Library

You will find this library on the second floor of Sanford Fleming. It is not very big but a good place to have group meetings as moderate amount of talking is usually tolerated. There are also single desks for you to bury your nose in books. They fill up fairly quickly though so you would want to go there right after each class. The good thing about this place is that it's close to the engineering buildings and there is wireless internet access. However, you will want to bring your own laptop as the computers in the library are slow...very slow.

### Gerstein Science Information Centre

Of all the libraries described here, Gerstein is certainly the most aesthetically appealing library. There are several floors filled with wooden desks equipped with individual lamps and Ethernet jacks for internet access. If you like, you may also obtain a private study room but chances are they will be occupied by someone. Gerstein also features randomly placed padded chairs that were probably not made for but perfect for sleeping in. The downside is, not everyone will get to enjoy this wonderful place due to the fact that it fills as fast as the subway during rush hour. Group work is also not an option as you will undoubtedly get many evil glares by surrounding peers.



# Engineering Buildings

Johnny's on the ball: he's got this swell guide to keep him from getting becoming a part of lost-ville.

Johnny is new to campus. It's a big place. But little



## Bahen Centre for Information Technology (BA)

This is the newest among all the engineering buildings here on campus. Bahen is a perfect combination of architecture and state of the art technology. The building was literally constructed next to the Koffler Student Centre, you can still see what used to be the outside of Koffler in the BA atrium! BA is home to large amphitheatre lecture halls, the Windows computer labs and ample amounts of tutorial rooms. It even comes with its own little café. There are also benches and chalkboards in the hallways of the 2nd and 3rd floors designed solely for student use. If only they were considerate enough to put chalk there.



## Galbraith Building (GB)



Across the street from BA, is the Galbraith Building. You can't miss it; it's got the Rock of Ajax in front. This is where all of your administrative needs are met. The First Year Office, Registrar's Office as well as the Undergraduate Admissions Office are all located here. OSAP distribution will also take place here. You will also find some disgustingly uncomfortable lecture rooms and an enormous concrete lab. What you will not find here are washrooms for both genders. Nope, they alternate on each floor. If you're lucky you might find the right one on the floor you're on,

otherwise you'll have to drop a level (or go up if you like).

## Haultain Building (HA)

If there is one place in all of campus you won't be able to find, it would be the Haultain building. No, the map won't help. It is so thoroughly camouflaged that you won't see it there until you run head first into it. However, if you do have the fortune (or misfortune) of having class there, here are directions to make sure you arrive on time. First, position yourself in front of the Mech Eng Building. Now walk slowly towards College street until you see a freakish alleyway between Mech Eng and Mining. Walk in there. Keep walking until you see a building to your left that looks like a run-down factory. Bingo! You've found it! If you happen to have class on the 4th floor, you can forget about taking the elevator. It is so slow that you might as well walk the stairs. The exercise is good for you anyways.





## Mechanical Engineering Building (MC)



A note about MC 102: Occasionally, you may actually wish to see the blackboard in this room. We would advise that you be seated in the center-front section as you may find viewing the board from the back or sides near impossible. However, if you are a true fan of learning by induction, feel free to snooze in those big comfy cushioned chairs. Do not go looking for rooms 252 and 254 on the second floor. The numbers are lying. Start at the front entrance and follow the signs. You will find that these two rooms are essentially the same except one has a coat rack and

the other has a stubborn blackboard that refuses to stay down.

## Mining Building (MB)

Right next to MC you will find the oldest engineering building (that's still standing) on campus: the Mining Building. The entrance to this building was designed to discriminate against elderly people as the stairs are ridiculously steep, especially in winter. But don't worry, the majority of you won't have any classes in there. However there is one advantage to this place, it is attached to both HA and MC by a bridge. Which means on days when it is warm as the North Pole, you won't have to be outside. On the other hand, if you are not from around here, don't try to navigate the interior of this building all by yourself. Perhaps bring an upper year but even then we can't guarantee that you'll find your way to freedom.



## Sandford Fleming Building (SF)



Welcome to Skule™ central headquarters. This is where the action is. The EngSoc Office, EngCom, Bnad room, Engineering Stores, Blue and Gold, EAA, Suds, Bnad Pop machines, and the Beast are all located in the basement. This is also home to one of the busiest cafeterias on campus. You may find yourself hanging out at this place during many of your off hours. In addition, there are several ECF labs that run Linux located on the first floor of SF Try to restrain yourself from injuring these innocent little computers while using them though. Unlike its conjoined twin GB, SF washrooms are available on all floors in both genders. SF also has its fair share of lecture and tutorial rooms. Good luck

trying to stay awake in the ever hypnotic blue room aka SF1105. Sitting in the very front row may not be such a good idea because the Prof's platform will cover just about the entire board from that position. Lastly, you will find a nice library on the 2nd floor, a great spot for those of you who enjoy studying and talking at the same time.

## Wallberg Building (WB)

Wallberg is one lengthy building. It spans the equivalent of SF and GB together. You probably won't have class in this place. Well, perhaps in WB116 if you are one of the chosen few. This room is equipped with an inerasable board and an incline that is practically non-existent which makes viewing the board from the back quite impossible. If you wanted to know something interesting, there are some really old freight elevators in this building. You know, the kind where you have to close the gate. They work but taking a ride in it might be a bit of a gamble. Oh yes, there is a bridge that links the third floor of Wallberg to the second floor of Sanford Fleming. Don't ask us why, there just is.



## The Engineering Annex

EA is useful for one thing more so than anything else, resetting your password when you forget what in Hades you made it. This service is available on the second floor of the building in the student services office, just follow the signs on the walls, swipe your card, and the deal is done! Other than that, the building is seldom used by most engineers and lies quietly in the ally between the Wallberg and the Sandford Fleming and Galbraith amalgam.



Fun Break #3:  
Colour by Number!

# Super-Nifty Downtown Map

We're sure  
swell folks like you,  
could find your way  
around Toronto by

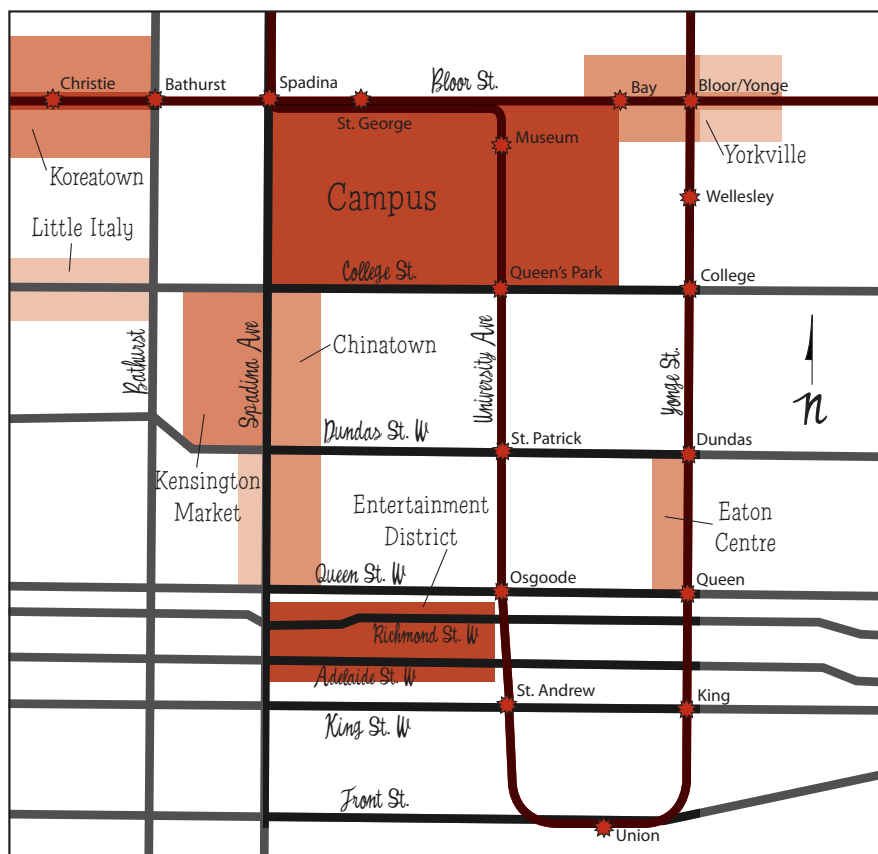


yourself, but why be a square and insist on doing it the hard way, when you can do it in true engineering style, a.k.a. The easy way! This downtown guide, fondly referred to as the "Super-Nifty Downtown Map" (Similar, but not related to the Yummy-happy-tasty-cubes craze that's sweeping the nation) is here to help you out of any pinch you might be in.

To use this feature to it's full potential, follow these four easy steps:

1. Turn to this page (See, you're already off to a good start)
2. Look at map below
3. Look at whatever area interests you, and follow map to said area.
4. Repeat if necessary.

There now you're ready for a night out on the town, be it for swing dancing, hot rod racing, poodle skirt shopping or what-have-you.



# Places to Go & Eat

Every Froshie needs to to chomp down on a Big Boy®



once in awhile, and a local hangout to go to. This is where you can find them.

## Places to Go

### **Annex Billiards – Bloor St, The Annex**

If you're looking for a classy place to play with some balls on smooth, smooth velvet, this is the place for you!

### **The Beguiling – 601 Markham St. (South of Honest Ed's)**

Do less than conventional comics pique your interest, does anime hold any sway? If so, this is more than a righteous place for you to conquest.

### **Bloor Cinema – Bloor St, The Annex**

Not enough words are available to tell you how AWESOME Bloor Cinema is! You pay for your 3 dollar membership once, and for the rest of the year you get to enjoy films you may have never heard of for unbelievably cheap prices (\$3 at 4pm, \$4.25 at all other times). Also, monthly showings of the cult classic The Rocky Horror Picture Show must not be missed!

### **The Beach! – The Beaches**

You'll be one sweet hepster if you spend your time strolling the boardwalk at The Beaches. Play some beach volleyball, lounge in the sand, stare at the hot bodies, but for the love of god do not go into the water!

### **Cumberland Cinema – Yorkville**

Not a fan of those cookie-cutter blockbuster hits? Check out some quality cinema at the Cumberland. Get yourself a membership and you will see that you will also enjoy some free dessert all over the city (unfortunately, you always have to buy an entrée first, boo!).

### **Eaton Centre – Queen Street at Yonge**

Within its hallowed halls is the ever so regal, the ever tasteful, the ever lasting GODIVA CHOCOLATIER. When passing, make sure to pay homage to this sacred shrine. Besides this holy of holies, there is a veritable plethora of merchants, vying for your attention.

### **Funland – Dundas and Yonge**

If you're game, the games are game for you! You can literally wile away an evening and a small fortune with the greatest of ease.

### **Honest Ed's – Bathurst and Bloor**

If you want cheap things, such as a velvet Elvis, or non-prescription prescription glasses, this is your one stop shop. Granted you may become lost once you enter the building and so never find your way out again. You can have the world, but you can't take it with you.

### **The Koolhaus – Queen's Quay**

Formerly known as, and tenderly remembered as, the Warehouse. The Koolhaus is a popular concert venue where lots of your favourite bands will play all-ages shows.

### **KoreaTown – Bloor between Bathurst and Christie**

Ever wonder what walnuts would taste like in cake form? Ever have a hankering to partake in food which is redder than the Batfone on top of Ken Ho's Chinese food truck? Ever want to yell 'Jampong!' and have a waiter actually bring you food? Ever want to sing your lungs out in front of a captive audience? Well then, KoreaTown is just the place for you!

### **The Paramount – John and Richmond**

Looking for a big movie experience without paying the big movie prices? Head on down the Paramount (Just south and a little to the west of Toronto's own Chum City Building). The ride up the escalator after getting your ticket is worth the cost of admission alone!

### **Queen West – Queen Street between University and Spadina**

Definitely a place to go if you're looking for an assemblage of some of the trendiest shops in all of Toronto. If there is something you want, chances are you can get it here.

### **The Royal Ontario Museum – Queen's Park**

The ROM may seem dorky, but it's actually AWESOME! Friday nights are free, and about half way through the semester, when you run out of money, you will realize how sweet free Friday events are.

### **The Toronto Symphony – Roy Thompson Hall**

Impress your date (if your date is your prof!) and take them to the symphony. 10 bucks gets you're if you're a member of tsoundcheck (anyone age 15-29 can join for free). Three cheers for culture, something you will yearn for after 5 hours of math! Visit [www.tsoundcheck.com](http://www.tsoundcheck.com)

## *Places to Eat*

### **College Street**

#### **The Beast**

A vending machine in the basement of Sandford Fleming. You probably shouldn't consider this a source of nutrition. But it is a source of awesome.

#### **Amato's**

Regarded by many as the best pizza in Toronto. Possibly also the worst service in Toronto.



#### **Street Meat**

mmmm... delicious street meat. I don't know what goes in it, or why it has that strange taste, but it's cheap, you can top it with 4 different kinds of hot sauce and you can get it all over the place.

#### **College Grill**

A new restaurant on College street by Wallberg, the College Grill has tasty tasty shish-kebabs and chicken leg meals that are easy on your wallet. They also have a house "special sauce" which is tasty and goes well on their salad, rice, meat, french fries...



### **741 - Spadina and College / Spadina and Bloor**

This is NOT a place to buy food. Candy, milk, and cigarettes ok, but not food. Seriously, even if you're desperate, there are better places to go for the same price. Unless you're craving a Big Gulp, in which case, this is your only shot.

### **Subway - College, south of Pratt / 475 Bloor**

Much like all other Subway restaurants in the world. Somewhat nutritious, "cheap" and fast.

### **Mr. Sub - Bedford and Bloor**

Like Subway, only not, for example here they use a slice of cheese that stretches from one end of the sub to the next, Subway uses triangles..TRIANGLES!!! Oh, it's also Canadian-owned.

### **Einstein's**

The Engineer's pub of choice. Really cheap beer, that isn't horribly bad. Also better beer, which is still fairly cheap. And the best wings ever. Also deep fried pickles - everybody's favourite appetizer. They also sponsor engineering stuff so they are cool.



### **Pita Pit - Harboured and College / 495 Bloor**

Makes a nice change from sandwiches. Moreover, they deliver! #416-928-PITA

### **Spadina / Bloor**

### **Cora and Papa Ceo**

Two doors apart, these fierce rivals both sell really good pizza with toppings that go beyond pepperoni.

### **Edo Noodle House**

The best little Japanese food place in Chinatown. Good food, low prices, all the green tea you could ever possibly hope to consume. You must, however, ask for your bill, otherwise you will remain there....forever...

### **Hodo Kwaja - 656 Bloor**

The most outstanding little walnut shaped cakes in all of Toronto. Often imitated, never duplicated. Available in 3 flavours, from Red Bean paste, to Almond, to the traditional Walnut.

### **Mariko Japanese Restaurant - 551 Bloor**

All you can eat for a mere \$14.99, I stress the fact that it is ALL YOU CAN EAT. They have 65 different kinds of sushi to pick from, there is quite the selection. Quality is not an issue.

### **New Ho King**

If you've ever lamented that the Chinese food you eat is too "high quality" and not greasy enough, go to New Ho King. They know the delivery route to New College by heart. Late night menu is after 10pm, and one of the cheapest around.

### **Pizza Hut - 206 Bloor**

Pizza pie is very hot these days. Pizza Hut is on Bloor Street at the end of Philosopher's Walk. Yep, the same Pizza Hut as seen in the commercials!

### **Pizza Nova - Spadina and College - 416-439-0000**

Decent pizza. Not great, but decent.

### **Pizza Pizza - Spadina and Bloor / Bathurst and Bloor - 416-967-1111**

This is your quintessential pizza palace, a classic throughout Canada.

### **Redrum... Umm... Red Room**

A well-kept secret on Spadina south of College, the Red Room has great food at amazing prices. As the name suggests, the decor tends to the 650 nm end of the spectrum.

### **Second Cup - 170 Bloor / 324 Bloor/ 539 Bloor/ JCC**

Four locations in case you buy a coffee, and want another before you're finished the first one.

### **Swiss Chalet - 234 Bloor (By St. George) / 568 Bloor (By Bathurst)**

Good for a well-rounded meal at a low price in a familiar environment. The favourite hideout of the LGMB but only before going to major semi-formals and after copious drinking of BEvERages.

### **Thumbs Up - 613 Bloor**

Argued to be one of the best Korean "fast food" restaurants in all of Toronto. For low prices and quick service, this is a good choice.

## **Miscellaneous Streets**

### **'Food' Trucks - Parked all up on St. George**

A new definition of 'food' if there was one. These purveyors of the culinary arts practice their trade from vans, some white, one red; no matter the colour though, you get what you invest in. Not only is the 'food' quick, but it is cheap. Not for those with a weak constitution.

### **Korean Grill House - Queen West (closer to University)**

You pay for your seat, you have a grill and as much raw meat as you can dig. What more needs to be said, it is an equation that equals happiness and fullness.



### **Young Sing Bakery - Baldwin St. (South of College, just off of St. George.)**

This is the place to go if you're hankering for 'Chinese buns'. Where else can you get buns filled with all sorts of goodness for a dollar or so? Where I ask you?

### **Wendy's, Harvey's, Popeye's, Burger King, McDonald's, KFC, and Taco Bell**

Ever thought there wasn't enough fast-food chain stores in the world? Don't worry, around campus there are a plethora of them.

## **Editor's Pick**

### **Frans - Yonge & College / Yonge & Queen (Around there somewhere)**

One of the few restaurants where you can come in at 3:30am, order a steak and eggs, and have the server not even bat an eyelash before going to get you a coffee. Good food for a fair price, and trust me, you'll get addicted to late-night Frans visits. It's a Toronto tradition!

# Keener Fun

And your love/hate  
relationship with them

Lectures can  
(and will) be more  
boring than a freem



trying to play with a misshapen hula hoop. There is hope though! Besides catching some Z's, doing a crossword, throwing paper airplanes into the ceiling, being grossed out by the couple in front of you making out, and playing "Let's-pretend-to-not-care-about-what's-going-on-in-lecture" (Which you always win), there are a couple of ways to amuse yourself.

It all boils down to one thing, keeners. They're a double edged sword really. These folks can both bring you endless amusement and make you want to rip your hair out. You can usually tell who's a potential keener within the first couple of lectures. Some tell-tale signs are.

- Brings textbooks to class
- Sits in the first two rows, and tantrums if displaced from the first two rows
- Asks follow-up questions, to their follow-up questions
- Has every stationary accessories known to man
- May have been called a brown-bagger, in another lifetime
- Actually stays awake during lecture

Once you've figured out who is a keener, you can now started playing a couple of hep games designed for your enjoyment at those wet rags' expense.

## Game #1: Keener Kount (Keener-mon I choose you!)

This game has been likened to that of Pokémon, in that "You gotta' catch 'em all!". The rules are pretty simple and go as follows:

1. At the beginning of the term choose your favourite keener.
2. Track your keeners progress. This is done by way of tallies. Every time they ask a question, give them a point. If a follow-up question ensues, give them another point. If they're being particularly annoying, give them a point just for kicks. If they end up causing it so that the class has extra homework assigned, or has a deadline bumped earlier, give them as many marks as you deem fit.
3. At the end of the term tally up the points and compare to the other competitors. Let the winner win a prize, let their keener be unaware of what just transpired.
4. Play around, have daily challenges. Predict the number of questions your keener will ask, compete with a partner to see who's keener is more keener, the possibilities are endless. Eventually you become quite attached to your keener, making them a lot like Nano Pets, only.... Keener Pets.

## Game #2: Keener Bingo (Keeningol)

The second game is a classic that dates back to years past, it goes a little like this.

1. Write the name of your favourite keeners in the spaces of your K-EE-N-E-R Card.
2. When a keener on your card asks a question, cross off that square.
3. The first person to get bingo has to immediately ask the Prof a question containing the words "malt liquor"

You may use the same name as many times as you wish on the same card, but the name can only appear once in any row of five names.

So there you have it, two games designed by hep cats for hep cats. With these two games as your guide, you'll be leaving boredom-ville in no time, and headed straight for woodoo-ville. It's all in the name of fun folks, so play around and enjoy Keener Kount/Bingo responsibly.

# Neat Things

## Learning About Skule™

See Spot. See, see. See what Spot brought.

It was a busy morning in engineering.  
Every Flrosh with Jane's was  
learning about Skule™.  
Jane and two other Flrosh had Godiva's Hymn,  
Dick had the Skule™ cheers,  
Other Flrosh were learning Linux commands,

"Guess who has come to Skule™, Jane.  
A friend of yours has come." Said a leader.  
Then Jane saw a little dog coming.  
It was Spot!

All the other Flrosh laughed  
at the funny little dog.  
She said, "Oh Spot!  
See how busy I am  
I am too busy to play with you."

Spot wanted to  
show  
her something.  
"What is it Spot?  
What did you  
bring?"  
Said Jane.  
Spot had brought  
a reference section.

"Oh thank you  
Spot!"  
Said Jane.  
"Now we can all  
read about Skule™!  
Now that the  
handbook has a  
"Neat things" in  
its' reference!"



Spot brought handbooks. Spot is a good dog.



# Godiva's Hymn

The song we  
know and love

Everyone knows that  
Lady Godiva was the  
niftiest doll around.



What she did sure was boss! This song about her is a staple in engineering spirit. So be sure to memorize as many verses as possible!

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!**

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.

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 H<sub>2</sub>O was H<sub>2</sub>SO<sub>4</sub>!

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!

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.

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 men prefer lady Engineers, of course  
And sleep with women learning friction, motion, stress and force.

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."

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

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!



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

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!

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.

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.

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 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.

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 SkuleTM to become an Engineer.

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!

For 50 years the Engineers at Queens have had our pole,  
From Varsity they took it, and their Frosh 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!

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!

Joe E. SkuleTM is 100, but he has a heart of gold,  
He gave the meds his SkuleTM 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.

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.

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!

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.

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.

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...

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.

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!

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.

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!"

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.

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!

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."

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 f\*\*k the dog so much.

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.

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."

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.

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!"

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.

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.

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.

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.

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!

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.

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-OFA, HELL-OFA, HELL-OFA, HELL-OFA HELL-OFAN-ENGINEER!

# Cheers and Songs



## Skule™ Yell

Toike Oike, Toike Oike,  
Ollum te cholium 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™!

## Marching Bands

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

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 hit the tundra hard,  
And throw the polar bears upon the ice  
(HIT 'EM NICE) OOL! OOL! OOL!

## Sesame Street

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

How to get to Sesame Street?

I don't know the words to the 2<sup>nd</sup> 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?

## God Save the Engineer

God save the Engineer  
Feed him (or her) on rum and beer  
The Engineer  
bup bup bup bup bup  
He (or she) likes to drink and sing  
Earning his (or her) Iron Ring  
On campus he (or she) is King (or Queen)  
The Engineer

## 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!

## 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 (hold note)  
-nd of you, too, boo-boo-be-doo!

### Falling into Sin

We are falling into sin...  
Whoopee!  
Come and help to push us in.  
We need more words to this song.  
It's much too short, it should be long.  
We are falling into sin...  
Whoopee!  
Come and help to push us in.

### 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.

### 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.

### Why Are We Waiting?

(To the tune of Oh Come All Ye Faithful)

Why are we waiting?  
Why are we waiting?  
Oh, why are we waiting?  
Oh, why do we wait?

Why are we waiting?  
We could be integrating (or fornicating,  
or masturbating, or whate

Why are we waiting?  
Why are we waiting?  
Oh, why are we waiting?  
Oh, why do we wait?

Where are we going?  
Where are we going?  
Oh, where are we going?  
Oh, Where do we go?

Where are we going?  
At least it isn't snowing.

Where are we going?  
Where are we going?  
Oh, where are we going?  
Oh, where do we go?

We want attention.  
We want attention.  
Oh, we want attention.  
Attention we want.

We want attention.  
At least an honourable mention.

We want attention.  
We want attention.  
Oh, we want attention.  
Attention we want.



### Take Me Out To The Ballgame

Take me out to the ballgame,  
Take me out to the park.  
Buy me some peanuts and cracker jacks,  
I don't care if I ever get back!  
For it's root toot toot for the home team,



If they don't win it's a shame!  
'Cause it's one, two, three strikes you're out  
at the old ball game!

### Foreskin

My one-skin lies over my shoulder,  
My two-skin lies over my knee,  
My three-skin lies over my elbow.  
Oh, roll back my four-skin for me.

Roll back, roll back,  
Oh roll back my four-skin for me, for me.

Roll back, roll back,  
Oh roll back my four-skin for me.

### Web Footed

Ba ya bup bup bup bup bup bup  
bup bup bup bup (3x)  
Ba ya bup bup bup bup, ya bup bup bup bup  
Yah yah Yah yah Yah yah Yah ...  
Be kind to your web-footed friends  
For a duck may be somebody's mother  
Be kind to your friends in the swamp  
Where the weather's very very damp  
Well you may think that this is the end  
Well it is.  
But only for a moment  
The end is now.

### Tickle Terry

I'd go a long way to tickle Terry,  
It's a long way, I know.  
I'd go a long way to tickle Terry,  
Ter's the sweetest one I know. Whenever somebody  
tickles Terry,  
Terry goes tee-hee,  
But now nobody ever tickles Terry,  
'Cause Ter's got a bad knee.

For a non-PC version of this song,  
change last line to " 'Cause Ter's got a VD."

### More Beer

(Sung to the tune of *Amazing Grace*)

More beer, mo-re beer,  
more beer, more beer;  
More beer, mo-re beer, more beer;  
More beer, mo-re beer, more beer, more beer;

More beer, mo-re beer, more beer,  
(just one more beer)

### Hey Ref

Hey Ref!  
There are three kinds of turds in this world,  
Custard, mustard,  
And you, ya'big shit!

### Mathie's Cheer

ex dy/dx  
ex dx  
secant, tangent, cosine, sine  
3.14159  
Square root, cube root, QED  
Slipstick, slide rule, pphhtt UC!

### Ra Ra Ree

Ra ra reel!  
Kick 'em in the knee!  
Ra ra ruts!  
Kick 'em in the other knee!

### Go Go Get 'Em Get 'Em

Go go get 'em get 'em  
Ooh! Aah!  
(Start slowly, repeat faster)

### This Cheer

This cheer ... no verb!  
(repeat as necessary)

### Two Word Cheer

AWWWWWwww  
.....  
Shit!



# ECF Guide *Computer Central*

Here at the Faculty of Applied Science and Engineering you are provided with a set



of tools to help you get through the toughest of situations. Among the tools at your disposal, is the Engineering Computing Facility, commonly referred to as ECF. All engineering students are able to use this network of computers and access useful software, e-mail, programming tools, and the information superhighway. think of it as command central.

The ECF computers run one of two operating systems, Windows (which you probably know about) and Linux (which you might not have seen). Windows is pretty easy because it's just pointing and clicking all the time, however Linux can be slightly more confusing. That is why this section exists. Don't worry too much, the Linux computers have things called "Gnome" and "X" which provide menus and windows and other things to point at and click on.

## Setting up your ECF account

- Get a computer in one of the Linux ECF labs (Try to access SF1012, SF1013 or SF1106).
- Type getname as the login, leave the password field empty, and press enter. Follow the instructions on the screen to receive your login name.
- Login with the login name you just got. Your password is the last 4 numbers of your student number followed by your month and date of birth (2 digits each).
- Change your password by typing passwd in a terminal (see below). If you log out and back in within 10 minutes of changing your password, you'll be locked out of your account. If this happens, or if you forget your password later, visit the ECF office on the second floor of EA to fix things.

## Using ECF Windows lab

Go to one of the Windows labs (the easiest to access is BA 1120; you'll need to swipe your student card to enter).

Your login and password are the same as for the Linux computers, but you need to change your password separately. To do so, login, press "Ctrl" + "Alt" + "Delete" once, and click on "Change Password." If you forget your password, you'll have to visit the ECF office.

The rest of this section only applies to the Linux computers.

## SSH

You can use a program called an ssh client to access ECF from home. One of the most popular ones for Windows is called PuTTY. You can get it from <http://cdot.senecac.on.ca/software/putty/download.html> (or any of the other mirrors). The file you want is putty.exe. There's no installation, just save it somewhere you won't forget

To use PuTTY, double click on putty.exe to start the program. In the main screen, enter p44.ecf.utoronto.ca as the hostname and make sure that the SSH button is selected and the Port is 22. Click Keyboard in the panel on the left, and set "The Backspace key" to "Control-H" (this keeps backspace from doing strange things). Click open, and enter your login and password when asked. You can (and should) substitute any number from 1 to 185 for 44. This number determines which of the lab computers you connect to.

Once PuTTY is started, it's just like a using a terminal when you're in the lab. You can check email, edit files, and so on.

## FTP

A useful system for getting files to and from ECF while you're at home. Typing <ftp://yourlogin@ftp.ecf.utoronto.ca> in the address bar of your browser will probably let you get files (you'll need your password, of course). You may need a program called an FTP client to do other things, like sending files.

## ECF Email

You will have an ECF email account. Your ECF email address is [yourlogin@ecf.utoronto.ca](mailto:yourlogin@ecf.utoronto.ca). This is not your utoronto account, and unlike your utoronto account, it will expire when you graduate. News and events from EngSoc, stuff about your classes from your professors, and important notices from the

faculty, your department and so on will all be emailed to this account, so don't ignore it. There are several ways to access it:

1. From the lab: Login at a Linux computer, open a terminal and type pine. This will open up the pine email program where you can read, reply and send emails.
2. From home: To access your ECF email from home, connect through an SSH client like PuTTY (see above). In the PuTTY (or other client) terminal, type pine. It's just like sitting in the lab!
3. If you prefer, you can forward all your ECF mail to another account. To set this up, open any text editor, such as gedit (Accessories > Text Editor). Enter the email address you want your email sent to (and nothing else). Save the file with the exact name ".forward" (with the dot, without the quotes). Starting very early the next morning, your ECF mail will be forwarded. Forwarding happens in batches every 15 minutes or so, so if that brief delay would cause you undue stress... you have a problem. Spend some time away from your computer. Go outside. Enjoy the sunshine. The summer won't last forever.

## Programs

Since you'll be using the Linux labs a lot, you'll want some programs to do everyday tasks such as programming and word processing. Luckily, such programs are available, and the vast majority of them are pretty easy to use. Launch most of these from the menu in the bottom left corner of the screen (it has a picture of a red hat).

**OpenOffice.org Writer (Office > OpenOffice.org Writer):** This program does pretty much everything Microsoft Word does. In the same folder of the Applications menu, you'll find other office programs for things like spreadsheets, presentations, and so on..

**Firefox (Ecf > firefox):** A fancy newish web browser. Pretty easy to figure out.

**The terminal (System Tools > Terminal):** You will need to use this for computer classes and to do things that aren't possible through pointing at things and clicking on them.

**gedit (Accessories > Text Editor):** This is a pretty basic text editor. It's a lot like Windows' notepad

**nano (type nano in a terminal):** This text editor is fairly easy to use, considering it runs in a terminal. Of course, since it runs in a terminal, you can run it through SSH and do your homework from home. In the commands listed on the screen, "^X" means "hold Ctrl and press X."

**gaim (Internet > IM):** An instant messaging program that connects to msn, icq, aim, yahoo, and so on.

**Two notes:** When adding an account, "screen name" means login (eg. Passport or ICQ number). To setup an icq account, you'll have to click "Show more options" and change "Auth host" to login.icq.com.

**Amsn (Ecf > Amsn):** A different messaging program that only connects to msn.

**MTolsFM (Ecf > MTolsFM):** Use this to access floppy disks and usb keys.

## Frequently used Linux commands

These are the slightly confusing bits. Use these commands in a terminal or through SSH. All commands with square brackets (i.e. [something]) means you should replace [something] with whatever is appropriate for that command. Be careful though, Linux is case sensitive, which means that although "cd" is useful, "CD" does nothing.

## Files and directories (directories are exactly the same as folders)

**cd [directory]** - Changes the current directory (folder) to [directory].

**cd ..** - Go to the parent directory.

**pwd** - Tells what the current directory is (short for present working directory).

**ls** - Lists the contents of the current directory.

**cp [source] [dest]** - Copy a file from [source] to [dest].

**mv [source] [dest]** - Moves a file from [source] to [dest].

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

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

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

**chmod** - Changes a file's attributes (who has permission to read, change or execute it).

## Printing

**lpr -P[printer] [filename]** - prints [filename] from [printer] Printer usually are labelled.

**sf1013d** prints double sided from printer sf1013b. You may need this form within some programs.

**pg** - Displays the number of pages you've printed thus far in the current term.

## Other stuff

`man [keyword]` - Displays instructions on how to use the `[keyword]` command.

`finger [user]` - Displays the username, real name and year of everyone with the text `[user]` in their name. Often doesn't work on partial names. You can determine a fellow student's ECF email address by looking at their username.

`killall [name]` - Stops all programs named `[name]`. Useful for stopping "frozen" programs.

`kill -9 [number]` - Like `killall`, but it stops programs by "process id number" instead.

`ps` - Tells you the numbers to use with `kill`.

Still befuddled? Try <http://www.ecf.utoronto.ca/ecf/> for more information.



## Getting connected UTORCwn Wireless Internet Access

UTORCwn, the University of Toronto campus wireless network is accessible via laptop computers equipped with the required wireless technology. All students have free access (well not really because you paid \$8000 tuition) to this service (within reasonable bandwidth usage). This page provides you with all the details you'll need to set up your wireless Internet. For extra information such as wireless coverage maps or technical details, visit to [www.wireless.utoronto.ca](http://www.wireless.utoronto.ca).

Before you can use wireless Internet, you must first set up your UTORdial account. Go to [https://connect.utoronto.ca/user/lib\\_check.php](https://connect.utoronto.ca/user/lib_check.php) and follow the instructions to activate your UTORdial account. Every UofT student can create a UTORdial account. Memorize your UTORdial number and password as you will need it each time you log on to the wireless network.

## Setting up your computer

1. Click Start > Connect To > Wireless Network Connection
2. Click Advanced; click Add under Wireless Networks
3. Network name (SSID): UTORwin
4. Enable checkbox for Data Encryption (WEP enabled)
5. Remove checkmark for The key is provided for me automatically
6. Network key: UTORontolhome
7. Key index (advanced): 0
8. Click OK twice. A pop-up window should display that you've connected to UTORwin. (This may take a few minutes depending on your connection)

## Accessing the Internet

1. Open your Internet browser by going to Start > Internet
2. If the "Welcome to UTORCwn" page opens, go to step 4.
3. Go to [www.wireless.utoronto.ca](http://www.wireless.utoronto.ca) and click on Wireless Setup.
4. Click Here on the UTORCwn page.
5. If this is your first UTORCwn connection, you will see the following text:  
Welcome to UTORCwn  
Your MAC Address '12:34:56:78:90:AB' is not registered  
Your MAC Address needs to be registered  
(Note: The values after MAC Address will be different with your wireless card)  
If a screen requesting only a password is displayed after clicking the here link, enter your UTORdial password. If your access is denied, go back and click the Check your profile button and enter your UTORdial library number and password. If the Add button is present on the Display MAC Address page, click it. Regardless of whether the Add button is present, click the Back button. Go to step 6.
6. Click the Go and Register your address button.
7. Enter your UTORdial/library number and your UTORdial password and click Login
8. You should see a page that indicates that your Mac Address has been registered with your library number and an IP address has been authenticated. Congratulations, you are now connected!

# Contacts

names, numbers, & e-mails  
coming out the wazoo!

Here's the yellowpages section of the handbook. Well, at least it's a page...



Position	Name	@skule.ca
President	Peter Suddard	president
VP Finance	Eamon McDermott	vpfinance
VP Academic	Agnes Durlik	vpacademic
VP Communications	Henry Cheung	vpcomm
VP Student Life	Nicole DiCarlo	vpstudentlife
Archivist	Juan Pantin	archivist
Cannon Editor	Jeff Harris	cannon
Cannonball Chair	Jennifer Lee	cannonball
CRO	Claudia Wu	cro
Community Service	Lise Eamer	community
Comp Sys Admin	David Woods	sysadmin
EngCom	Zach Martin	engcom
Engineering Stores	Mandy Tong / Don McAuslan	stores
External Relations	Corinna Henson	external
Frosh Handbook	Sarah Ranco	handbook
Hi-Skule™ Liason	Mahvish Asraf	hiskule
Orientation	Luke Wesley	orientation
Professional Development	Chris Doan	profdev
Skule™ Book	Holly Wonch	skulebook
Skule™ Nite Liason	Leona Smith	skulenite
Speaker	Adam Gravitis	speaker
Sponsorship	Paul Radcliffe	sponsorship
Student Issues	Kerry Black	studentissues
Suds	Jonathan Hollands / Catherine Korinek	suds

Position	Name	@skule.ca
Toike Oike	Mei Ling Chen	toike
UTEK Director	Robert Jackiewicz	utek
Webmaster	Jasper Chan	webmaster
Blue and Gold	Chris Anderson / Nathan Schnarr	bluegold
Chief Attillator	You Wish!	kaboom
EAA President	Adam Boddy	ea
1st Year Chair	T.B.A.	firstyear
4th Year Chair	Sarmad Mashid	fourthyear
LGBE Leedur	Jeff Cornthwaite	lgb
SAC Rep	Alexandru Sonoc	alexandru.sonoc@utoronto.ca
SAC Rep	David Bulger	david.bulger@utoronto.ca
Chem Club	Nicholas Wood	chemclub
Civ Club	T.B.A.	civclub
Comp Club	Kharthick Kathiresan	compclub
Elec Club	Sarmad Mashid	elecclub
Eng Sci Club	Mabel Lai	engsciclub
Indy Club	Shannon Guimond / Pamela Chan	indyclub
Materials Club	T.B.A.	mseclub
Mech Club	Jonathan Hollands / Luke Wesley	mechclub
Min Club	T.B.A.	geoclub

## Phone Numbers and Links

Unless otherwise specified, all numbers begin with (416) 978 - ..

Emergency.....	2222
Bat Fone (red phone).....	1607
Engineering Society Office.....	2917
Engineering Stores.....	2916
SAC.....	2911
SAC info.....	INFO
Walksafer.....	SAFE
CHEM: Luisa Gomes.....	5336
CIV: Colleen Kerluk.....	0945
ECE: Ella Lund-Thomsen.....	8570
ENG SCI: Morag Paton.....	416-946-7351
MECH/INDY: Mae-yu Tan.....	6420
MIN: Laurelle Levert.....	6554
MSE: Louisa Kung.....	3012
Admissions and Awards.....	2190
UoT Bookstore.....	7900
Career Center.....	8000
Health Services.....	8030
Housing Services.....	8045
Learning Skills.....	7970
Psychiatric Services.....	8070
Services to the Disabled.....	8060
Office of the Registrar.....	0120
Financial Aid Advisor/	
Scholarships & Awards Officer.....	7900
ECF Office.....	4250
PEY Office.....	3132
Math Aid Office.....	416-946-3165
Eng. Career Office.....	416-946-3730
T-Program Coordinator.....	5909
International Student Center.....	2564
Student Accounts Office.....	2142
Office of student Affairs.....	5536
Swap Shop.....	7080

First Year Advisor.....	4625
First Year Chair.....	4625
Dean of Engineering.....	3131
Assistant Dean of Engineering.....	4941
Robarts.....	8450
Sandford Fleming.....	6494
Sigmund Samuel.....	2280
Athletic Center inquiry.....	3437
Recreation information Line.....	5845
Hart House Hall Porter.....	2452
Downtown Legal Services.....	6447
Sexual Harassment Office.....	3908
University Ombudperson.....	4874
University Police.....	2323
University Police - Emergency.....	2222
University Switchboard.....	2011
TTC.....	416-893-INFO
GO Transit.....	416-869-8200
Second Cup House.....	416-408-0240
Chemical Engineering.....	5336
Civil Engineering.....	3096
Electrical & Computer Eng.....	1999
Engineering Science.....	2903
Mechanical & Industrial Eng.....	6420
Mineral Engineering.....	6554
Materials Science and Eng.....	3012

www.utoronto.ca  
www.engineeringutoronto.ca  
www.toei.utoronto.ca  
www.ecfutoronto.ca/psoc/registrar  
www.ecfutoronto.ca/~writing  
www.courses.iceatutoronto.ca  
http://osap.govon.ca



# Advertisements

## The Tired Editors

The editors are very tired.  
The editors have been up late working.  
The editors want to finish the handbook.  
Finish, editors, finish.

The editor-in-chief is still writing verses.  
The editor-in-chief can't think of any more.  
The editor-in-chief is now improving.  
Improv, editor-in-chief, improv.

The handbook is almost over.  
The handbook has a section for ads.  
The ads help fund the handbook.  
Fund the handbook, ads, fund the handbook.

See Dick. Dick reads the  
ads. So should you!





























Introducing Toronto's Finest...

# Batter Fried Chicken



## Now Hiring!

**Batter Fried Chicken is always looking for new talent:**

**Must be able to work late hours, operate power tools, paint in the dark, and above all, demonstrate Skule Spirit.**

**Written applications are not necessary – those who demonstrate a commitment to fun and pranking will be contacted directly.**

**A long standing tradition.  
Serving U of T since 1911**



**Open Late!  
Come out to  
our on-campus  
location!**



**T**  
**SKULE™**