

1TO - SPECIAL EDITION



OAK PRODUCTIONS PRESENTS

# 1TO

## **F!rosh Never Die**



University of Toronto Engineering Society

## F!rosh Handbook



II  
VI  
III



Welcome Frosh of 1T0. My name is M, and although we have never met before, I know all about you. You are the best of the best of the best. It is the reason you were brought here. Our whereabouts is classified information, and may be told to you in time, but for now, you can refer to it as Skule™. You were led you to believe that you would become an engineer, but at Skule™ you become so much more. There is no doubt that you have heard of our top agent 007, known to many as James Bond. Our Double-O program is about to conclude, and the 1T program is just starting. You are the first of a new class of secret agents, and hence, you will be known to your allies and your enemies alike as agent 1T0.

Your previous life and all that you once called yours is now gone. Your friends, your family, all left behind in the pursuit of peace. There is but one goal, to protect the queen and country. This manual will provide you with the essential skills and tools to complete your training here at Skule™ and move into a bigger world, one of evil and corruption, yet a world that must be protected at all costs by one agent: you. Read through the entire book. If you're not prepared for the tasks that will come in the future, they will be exponentially more difficult. I look forward to working with you, 1T0. Now start reading. You have a long way to go before you can call yourself a secret agent.

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

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## Handbook's Top *NOT-SO-SECRET* AGents

This handbook was written by thousands of typing monkeys who were promised bananas for their efforts. After an invasion by the SPCA and a lengthy court case, writing a handbook was deemed a task too cruel for animals. Thus, the Engineering Society recruited the following students to complete the project:



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**AS WELL, A VERY SPECIAL THANK YOU FROM THE EDITORS TO ALL THE OFFICERS, DIRECTORS, AND CLUB CHAIRS WHO SUBMITTED BLURBS AND MATERIALS FOR 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.



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## editor's message



I guess I officially get the first opportunity to say welcome F!rosh of 1T0 to Skule™ (a trademarked name for the Engineering Society at U of T). The next four years (or more) of your time here will easily be the best of your life, and so in order to help you get the most out of it, we've put together this really awesome handbook for you to read and get a feel for Skule™ life. It's in a cool James Bond theme, as well, so whether or not you're a fan, you're stuck reading all the articles, shamelessly ruining the franchise for you forever. MUAHAHAHAHA!

Now, there's no way I could have done this all by myself. Let's face it, there are literally hundreds of students already here in Skule™ who remember just how amazing their F!rosh experiences were and want to impart a piece of their knowledge to you. So to everyone who helped out, I have to thank you for doing such an awesome job and really bringing the handbook together. Of course, I have to thank my assistant editor, Eric Bradshaw, who really took the position and ran with it. This handbook would not have been completed without him.

I know what you're all thinking, "Is that a typo in the word F!rosh?" No way! There's an exclamation point in F!rosh because it's so exciting to be a F!rosh. Everything is better the first time around, and being F!rosh is no different. There's a really wide variety of things to do here at Skule™, and you should try to experience as much as you can while you still have the time. Before you know it, it'll all be over, and you'll have to sit down at a boring desk job with your engineering buddies and wish for it all again. Once in a while, it's good to get out of your room and explore all that Skule™ has to offer. Join a club, play some sports, and meet as many new people as you can.

Of course, university is most remembered for what you do out of class, but let's face it, you're here for the academics. I suppose the best advice I can give you is to know yourself and what you are capable of. First semester has a lot to do with realizing that what you think you can do is not what you can actually do, so take it slowly. The secret to passing is different for everyone. Some students feel the need to always study, and some people need to have a more relaxed atmosphere. No matter what your style, make sure it is working for you. The earlier that you understand yourself, the better.

That said, there is so much to do, so many places to go, and so many people to meet, that there is never an excuse to be sitting around watching life pass you by. You only start university once, so do it right. I hope to see you around and meet you personally, and I wish you all the best of luck.

**F!ROSH HANDBOOK EDITOR**  
**ARIEL FELDMAN**  
**MECH 0T9**

# *ORIENTATION*



Location: Front Campus  
Operation Live and Let Dye

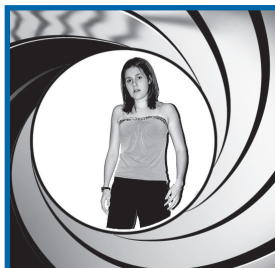
Orientation is not so much a test as it is a grounds for you to let loose all your fears and doubts about the coming years. We believe that a scared agent is an ineffective one, so take advantage of this week as an opportunity to meet new agents like yourself, and some upper years who can show you the ropes. This is a week where you can show all your spirit and relax and have as much fun as possible, and it should be considered a necessity for everyone entering the agency. Besides, when else will hundreds of people work so hard JUST FOR YOUR ENJOYMENT!?!

<http://orientation.skule.ca>



## Welcome to F!ROSH WEEK

Welcome F!rosh 1T0 to Engineering at the University of Toronto. I would like to take the opportunity to introduce myself. My name is Stephanie and I am the Orientation Chair for 2006. It is my job to make sure that your introduction to Skule™ and engineering is a fun, enjoyable one.



You are probably asking yourself what orientation (henceforth known as F!rosh Week) is all about. What will we be doing? Is it worth attending? Well don't worry, the next few pages will give you a brief description of F!rosh Week and hopefully convince you that it's something you don't want to miss.

Simply put it is the best week of the Skule™ year and a great way to start off your university experience. It will provide you with the opportunity to have fun, play games, make new friends, get to know upper year students, profs, the school and city while introducing you to all the wonderful things about Skule™. Engineering is a challenging program that requires many hours of hard work. F!rosh week gives you the opportunity to relax, get to know one another and have some fun before the school work begins.

Events range from exploring the campus to competing in bed races, interacting with professors to a giant citywide scavenger hunt. There is an event for everyone and your friendly leaders are more than happy to point out great places to eat, get cheap text books, and hang out along with hints on doing well in classes and how to survive and thrive in your new environment.

Engineering is the most proud, spirited faculty on campus and arguably in the province. F!rosh week will introduce you to what UofT Engineering has to offer both in and out of the classroom. It is a fun, no-pressure week run just for you. I hope to see you there.

**ORIENTATION CHAIR  
STEPHANIE WHITEHURST  
INDY OT7**

I should start  
studying for the  
Secondary Education  
Evaluation right now!



## Orientation Checklist

Here is your equipment list for your first training mission. God speed, 1T0!

### Bring/Wear

- \$90 for F!rosh kits (not in pennies)
- 2 charitable non-perishable food items
  - Pre-order receipts
- Clothing that can (and will) get dirty
  - Comfortable walking shoes
- SKULE™ SPIRIT! (Enough to last 4 years)





### Don't Bring

- Parents (may be confiscated)
- Electronics, including cell phones
- Valuables (\$\$\$, jewelery, etc)
  - Expensive/nice clothing (save that for F!rosh Nite)
- Extra baggage (purse, etc.)

# ORIENTATION

## F!ROSH WEEK SCHEDULE

1T0, it is of the utmost importance that you attend F!rosh week. How else will you get to know your new campus, faculty, and fellow agents? To prepare you for the tasks ahead, we have taken the liberty of preparing a schedule for you. Don't bring this one to activities (unless you want a purple handbook), but be on Front Campus at 8AM Tuesday, and you will be taken care of.

	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKEND										
8	Arrive at Con Hall														
9	Matriculation	Secondary Education Evaluation	Class	Class											
10		Clubs & University Fair		Class & SAC Clubs Fair											
11	Campus Tours & Lunch	Survival Session													
12		Lunch	Departmental Lunches												
1		F!rosh Olympics	Class												
2	F!rosh Picture		SAC Concert												
3	Downtown Tours														
4		Charity Event	Blue & Gold Bed Races		Hart House Farm  Saturday 11am to Sunday 1pm										
5	Dinner & Suds	Photo Scavenger Hunt	Scavenger Hunt												
6															
7	Blue & Gold Movie Night														
8	F!rosh Nite														
9															
10															
11															
Late															

## Schedule Explanation

**Matriculation:** Pay your F!rosh week fees, get your F!rosh kit, find your F!rosh group and get a huge F!rosh hello from some of the important people here at Skule™. Starts off a great week of F!rosh fun for F!rosh. F!rosh!



**Campus Tours:** Get to know your new school, including where services and important buildings are located. It is so much more than a tour. It is an announcement of who we are! (ie: Engineers)



**F!rosh Olympics:** Compete with your group in a range of activities. Learn the skills of teamwork, meet new people and have some fun.

**Hart House Farm:** A great way to end a great week. We get on buses and take a break away from the city. Hart House farm is a great way to sit back and relax before classes get into full swing. The Farm includes ponds for swimming, plenty of space to play, caves to explore, and in the evening, a fire pit. Hear crazy engineering stories and learn more about the traditions.



**Blue & Gold Movie Night:** So you have been walking all day and want to put your feet up and laugh until you cry. Usually featuring a comedy movie, this is a great opportunity to not only relax, but also find out more about the Blue and Gold committee.

**F!rosh Nite:** The largest all ages party of the year; everyone attends including students from other colleges and universities. Even if you haven't been to something like this before, the laid back environment means you are sure to have fun. Admission is covered in your F!rosh kit, so don't miss it.

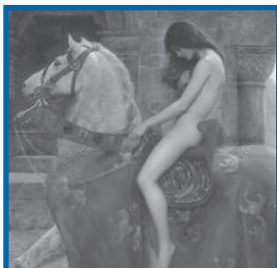


**Blue & Gold Bed Races:** Who doesn't race beds with wheels in a competition of speed and creativity? Watch as we go head to head against other colleges to prove that engineers are truly best. A F!rosh team is encouraged to participate.

**Scavenger Hunt:** An age old tradition in engineering the scavenger hunt not only sends you looking for objects all over the university and city but also includes mini competitions. The winning team is presented with a prize at the end. This event is lots of fun and a great way to get to know people better. Taking place in the SF atrium you aren't going to want to miss it.



## Lady godiva AND WHY SHE IS OUR SYMBOL



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 82). 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 no avail. 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.



## purple dye THE STORY BEHIND THE INSANITY

The color purple has, for centuries, often been associated with power, royalty, wealth, and strength. Engineers have a time-tested tradition of soaking themselves with purple dye. This is done to commemorate the honorable engineer Kahotep.

An ancient Egyptian story tells that Kahotep was an Egyptian scholar who is estimated to have lived around 3500 B.C. By today's standards, he would have been considered to be a mineral engineer, as he built wells in many towns not directly along the Nile. One time he was summoned to the small town of El-Amarna to investigate a problem with a well he built there. The people of the town were complaining that the water they brought up was not clear, and had a low purple hue. Upon investigation, Kahotep discovered that it was caused by a large deposit of lapis lazuli, saturated in the water. Lapis lazuli was a valuable gem thought only to be found in ancient Mesopotamia at that time. Kahotep informed the nobles of his find and he was commissioned, along with dozens of men, to find more deposits. Because of his discovery and the immense success of his mining operations, Egypt quickly flourished to become a leading economic power, particularly due to its trade in jewelry. Today, engineers all over the world dye themselves purple, symbolizing the purple water that was discovered in Egypt. We remember the huge impact that engineers have on society through our discoveries and inventions.

## Hardhats

THEY'RE LIKE HATS... BUT HARDER

### Black

#### The Cannon Guard

These hardhats belong to the mighty, the proud, and the courageous guards of Ye Olde Mighty Skule™ Cannon (our mascot). The Chief Attiliator (CA), the primary protector of the Cannon, also wears a black hardhat, but with a silver riot mask. 1T0, when you complete your training, show your Skule™ spirit, and you too may be asked to don this hardhat and protect our mascot.



### Fluorescent Orange

#### The Bnad Leedurs

Not to be confused with 'Band Leaders,' the Bnad Leedurs are some of the most spirited of engineers who run the Lady Godiva Memorial Bnad (aka The LGMB). Join the LGMB and spead Skule™ spirit and you may receive this headgear.



### Light Blue, Dark Blue, & Silver

#### Ministers, Ass, and Da' Chief

Who said anything about blue and silver hardhats? I certainly would not, as they don't exist. They definitely do not belong to the ministers, ass, and chief of the BFC. If you think you've seen some around, talk to an upper year, who will surely tell you that you're going insane.



### Maroon

#### Stores Managers

These business-orientated agents effectively handle the operation of Engineering Stores. They will sell you the cheapest first year textbooks on campus.

### White

#### Officers

The white hardhats are for the Engineering Society's officers. They are the top agents. They work 24/7 (and sometimes more) to ensure you enjoy your time at Skule™. The president has their very own white fireman's hardhat that must be worn to all council meetings.



### Beige

#### Suds Managers

The Suds Managers ensure that there is somewhere fun to be after a tough week of classes. They also dispense plenty of BEvERages to go around to all the hardworking engineers. For this they are rewarded with a beige hardhat.



### Green

#### Publications

These flashy green hardhats are the best in the agency. We've lost quite a few agents to their seductive beauty. Given to the publication editors, such as The Cannon, The Toike Oike, Skule™Book, and F!rosh Handbook (w00t!). Getting a hardhat starts by joining as staff for one of these publications.



### Avocado

#### Communications

They don't quite have the seductive power of a green hardhat, but they make up for it with superior smooth-talking and communication. They are given to the EngCom Chair, Webmaster, Archivist, Computer Systems Administrator, and the Skule™ Speaker.



## Red Skule™ Nite



This show is one of the funniest musical comedies you'll see all your life. The Director, Producer, and Master Carpenter all receive a hardhat like this one. Although you all get tickets to the show in your F!rosh Kit, help out with the show itself and you could find yourself with a nifty red hardhat of your own.

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



One of the most cherished hardhats available, awarded to the winners of the Mr. Blue & Gold and Godiva's Crown competitions in Godiva Week. NOTE: Mr. Blue & Gold must drop his pants for the whole year upon request, so figure out who he is.

## Orange Internal Directors



Elected leaders in the Engineering Society are given these hardhats. Consider running for class representative. It'll introduce you to Skule™ and get you on the path to obtaining one for yourself.

## Gold Competition Clubs



These hardhats are given to the chairs of competition clubs. The colour reminds the chairs to always go for first place in any competition. Clubs include the Engineering Athletics Association and Concrete Canoe. Getting a hardhat starts by joining the club you are interested in.

## Brown, Burgundy, Grey Cultural, Social, Professional



The chairs of cultural, social, and professional clubs, respectively, receive these hardhats. The Engineering Society has many affiliated clubs who do a lot of work, and these hardhats are there to commemorate their efforts. To see a list of EngSoc affiliated clubs, visit [www.skule.ca](http://www.skule.ca) and browse to Clubs --> List. Joining one of these clubs could result in a new hardhat.

## Yellow Standard



Given to each and every F!rosh during F!rosh Week. Wear it proudly, 1T0, protect it, and decorate it to stand out from the rest.

## Protect your Hardhat

1T0, our enemies (artscis) are all around campus, and you must watch out for them wherever you wear your hardhat. Walking through campus with one on is more dangerous than fishing with dynamite, and not nearly as much fun. If your hardhat is taken by the enemy, your duty as a Skule™ agent is to inform others of the capture so a rescue mission can be sent out. If the enemy manages to get his hands on one, yell out "HARDHAT" and point at the fleeing perpetrator. Remember, you are expendable, and should sacrifice yourself for a stolen hardhat. If you are captured and tortured, as a secret agent, we *will* deny all knowledge of your existence.

## Skule™ Heirarchy of Protection

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



## **YE Olde mighty skule™ cannon**

Ye Olde Mighty Skule™ Cannon is our honourable mascot. It brings pride to our faculty and humility to others. You will come face-to-face with it and witness its power during F!rosh Week, but first you must understand the circumstances in which it exists. Ever since its creation, it has been an

irresistible temptation to the feeble-minded persons in the other faculties. The history of the Cannon is filled with violence, thievery, espionage, and of course, the intelligence and courage of Skule™ engineers.



Today, counter-intelligence runs rampant across the St. George campus, so if you want to be a secret agent, you'd better be on guard for The Cannon at all times. Many groups, colleges and faculties have tried to undermine Skule™ and our spirit through numerous acts of theft. Here are some key moments in the illustrious career of Ye Olde Mighty Skule™ Cannon and its sworn protectors, the Cannon Guard and the Engineers.

1944: University College stole the Cannon, causing great outrage. The Toike Oike (see page 46) published plans for the permanent destruction of UC (tactical maps included). The hiding place of the Cannon was eventually discovered and it was retrieved.

1949: Meds stole the Cannon at the chariot race where it was making an appearance. The engineers quickly responded and took the Meds Society vice-president captive. He was held hostage while negotiations took place, and was traded for the Cannon four days later.

1967: The year of the most infamous Cannon heist of all. Two U of T graduate engineers stole the Cannon and took it with them to University College in England. Six intrepid Skule™men followed them to England, where two entered the culprit's room and recovered the Cannon.

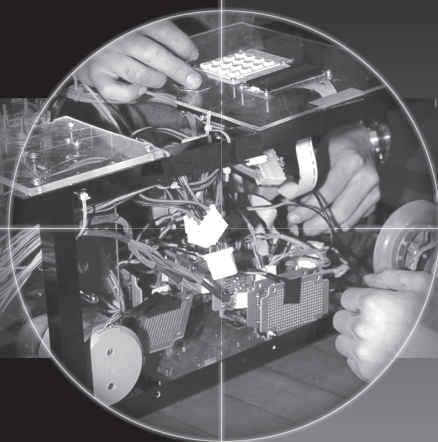
In 1993, the Cannon was finally captured after 26 years of good protection. A note was sent to us demanding that a group of engineers run onto front campus wearing only their underwear, carrying a banner that said some nonsense about how artsies rule. The demands were, of course, ignored, and the construction of a new Cannon began. The stolen Cannon was finally recaptured just in time for the 1994 GradBall.

YE OLDE MIGHTY SKULE™  
CANNON SURE LOOKS  
LIKE A **BLAST!!**



Since then, the Cannon has been unharmed until this day. It is truly our mighty mascot. It is the responsibility of all engineers to protect the Cannon from jealous hands of rival faculties, colleges and any other thieving perverts who would thus desecrate our everlasting pride and joy. For more on our mighty mascot, see page 40 for a special page from the Cannon Guard and its Chief.

# *ACADEMICS*



Location: Engineering Complex  
Operation Brainfreeze

1T0, this is by far the toughest mission that we will send you on, and thus, it should be taken with the most care and caution. You will be entering seemingly familiar territory, but do not be fooled, traps linger at every corner, and there are far too many corners for you to be loitering about. Because of the danger of this mission, we have prepared an entire section detailing what to expect and how to prepare. We suggest you use it. Remember, failure of this training will result in your removal from the agency, so it is not an option.

## what to get before classes

There are several essentials things to get before starting the school year. Some of these materials can be bought at your local store or at the Engineering Skule Store - located in the Sandford Fleming basement. Crucial supplies include, but are not limited to, those listed below.



### • Writing Utensils

You'll cry in horror if the single pencil you were using all year breaks during your exam. Get a lot of these.

### • Error-Handling Utensils

You'll never have revised your answer more times than in engineering. These are lifesavers.

### • Paper

You'll be taking A LOT of notes

### • Agenda

In order to ensure you have a social life and complete all you work, get one of these. A free agenda will be available at the beginning of the year from Skule™.

### • Calculator

The allowed models are Casio 260, Sharp 520 and Texas Instruments 30. Do some research online to see which one you like the best.



## Classroom Etiquette

In the world of MI6, intelligence is essential. Intelligence, however, is not just what is prepared before the mission starts, but also how you act once it has begun. If you are going to gain someone's trust, you will need to use your wit and charm, and this includes acting properly. Being smart in

the classroom isn't just about marks; your conduct during class is extremely important as well. The following is a guide to classroom etiquette.

When we tell you to act smart, we don't mean for you to prove your intelligence with a stream of infinite questions and "insightful" comments. No, that has another name; it's called "annoying your classmates." (Note: this effect can also be achieved by talking during lecture, having your cell phone go off in the middle of class, etc.) Instead, think before you speak – fewer stupid questions will make you seem smarter. Come to class on time (quietly sneaking into class doesn't work). Most importantly, be respectful to profs. It doesn't matter if they are have a Ph.D, an MBA, or a PDF, unless you're told otherwise, use the title "Professor" when addressing your instructors.

Acting smart will keep your classmates and professors happy. Happy classmates are much more helpful than angry ones. And your professors are the ones marking your final exam. You want to keep them happy.

## Textbooks

### THE REAL TRAINING MANUALS



So you've probably spent the summer buying all the school gear you could afford. Time to take another loan out as you're going to have to buy textbooks for school! Here's a look at your options:

#### Engineering Stores

##### Location: Sanford Fleming Basement

Probably the most convenient of all stores as it is located in the Sanford Fleming Building where most of your classes will be around. Engineering Stores usually sells textbooks in packages so you may get a bit of a discount buying a package. However, they carry only new textbooks and may not have all the textbooks you'll need.

#### U of T Bookstore

##### Location: 214 College Street

One trip to the U of T Bookstore and you can be sure that they'll have every textbook that your heart desires! So if you don't want the hassle of going back and forth to different stores, you may want to try the U of T Bookstore. However, the U of T Bookstore usually has the highest prices of all stores for new books, and there aren't always used copies of textbooks so you might have to tighten the belt a bit more to save a couple of trips.

#### Discount Bookstore

##### Location: Beside Einstein Cafe & Pub (229 College Street)

The Discount Bookstore offers the cheapest of new textbooks so if you're looking for new and cheaper textbooks, here's the place to get them. They usually have the majority of the books that you will require but once in a while they miss a couple. You can find a list of their textbooks and location from their massive flyer campaigns at the beginning of every semester.

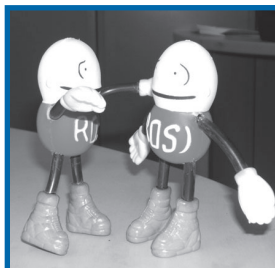
#### Upper Years

High and far, you will probably notice bulletin boards across campus spammed by textbook ads. Scramble as you should, because upper years usually offer prices lower than any of the stores listed above. You will also have a chance to buy books off upper years at the annual book smoker (a place where Upper Years gather, desperately looking for buyers).

#### Leech off Others

The last option is certainly the most economic option. At the beginning of the year you'll have to try and recognize the faces of all your classmates. Then, choose a bookstore; any bookstore. Spend your free time lurking around the store, waiting for a familiar face to walk in. As soon as they buy the textbooks, you have found your target. In the next weeks, you'll have to invest your friendship to these students. But that'll be a small price to pay if you can manage to gain access to the textbooks of your choosing! Try to get more than one target in case one doesn't work out.

## What's on the timetable



A tool that keeps an agent-in-training on time and on target is a timetable. In it, you will find the courses you are taking as well as the codes LEC, TUT, or PRA beside a number (the section you belong to). Lastly, the allotted duration of each session is shown. The following is inside information breaking down each aspect of your academic training.

### **Lectures (LEC)**

Unlike high school, university students are treated as responsible individuals. There are no 'homework corners,' no nagging voice reminding you about homework and tests, and no attendance. **WARNING!** Skipping lectures will put you behind faster than you think. It normally takes about two hours of studying on your own to catch up for a skipped one-hour lecture, so be a good secret agent and wake up for those early classes. Most courses have a different professor for each section, and often each will teach at a different pace and in a different way. Since there is no attendance, you can attend a lecture section other than your own, but be aware that some professors assign tutorial quizzes and assignments by lecture section, so make sure you are in the right room or you will receive a mark of zero. Don't rely solely on blackboard notes. Pay attention to what a professor says as well so you don't miss key concepts.

### **Tutorials (TUT)**

Tutorials take on various formats. Most tutorials last for about an hour and are usually run by teaching assistants (TAs). Tutorials are intended to be a supplement to the concepts taught in lectures. It is during these times that the lecture materials will be reviewed, difficult problems solved, and any other individual questions taken up. Sometimes there may even be a quiz. It is generally a good idea to attend tutorials, since exam hints may be given out.

### **Practicals (PRA)**

Practicals (or labs) are designed to give you hands-on training. For computer course labs, students will be given a window of time to complete a program. Don't copy. They will catch you, no matter how smart you think you are. As well, it is the best practice for the exam. For traditional labs, students will often need to complete a series of experiments. You are expected to bring a hardbound notebook and to do the pre-lab questions. It is called pre-lab because you won't have time to do the questions during the lab. TA's are present to assist you. Lastly, some labs require you to write a lab report.



## passing your courses



Alright, agents, my name is F, next in command only to Q and M. After F!rosh year, your training will be complete, and you will be returning for action in the field. My responsibility is to ensure that you complete this year and come back the next. Every year we lose many agents who don't satisfy

The Agency's intellectual requirements. We call these requirements courses, and you need to pass them. It doesn't matter what your average was in high school, you are now average among the best and the brightest, and the course average will still be a low 70. Starting to see the picture? To combat "Failing Syndrome" we have compiled a list of things to watch out for:

**Skipping Classes:** An extra hour of sleep means at least two extra hours copying and understanding notes. There is no good reason to skip a class, as even the most seemingly pointless classes have exams.

**Falling Behind:** A problem that piles up. The best way to combat this is to do the work as it is assigned. It may not be the coolest thing to do homework on a weekend, but neither is spending your summer and \$4000 at U of T.

**Mismanaging Time:** Don't spend 10 hours on a 3% assignment, and then 2 hours studying for your 30% computer midterm. It's tough, but you may have to choose one assignment if you don't have time to prepare for both.

**Distractions:** Turn off your computer, television, and video games. If you have a test tomorrow, don't worry, Jack Bauer will still be alive to save the 24-hour day (minus commercials).

**Not Using Services:** There are a wide variety of seminars and services to help with studying and study habits. Check [www.utoronto.ca](http://www.utoronto.ca) for a list of them.



## School vs. Skule™ MANAGING YOUR TIME

1T0, this is vital information, so pay attention. You may be asked in the future to infiltrate a building, locate and eliminate an evil maniac, and escape safely. For this you'll need your time management skills. Everyone has different techniques, but here are some of the basics:

- 1) Do not join more than 1 club until you are used to university courseloads
- 2) Keep a detailed schedule and agenda to ensure that time is effectively allotted for each assignment or test, as well as for your after school life
- 3) Stick with clubs that do not require a major time commitment. Many engineering clubs understand if you have to miss a meeting for coursework

## anti-calendar



School will be tough. Let's face it, between assignments, exams, your own social life, you'll barely have time to complete your weekly spy mission. This is why we have brought you the anti-calendar. It tells you what to expect for each course, and even gives some helpful tips to succeed. For Engineering Science students, you get their own anti-calendar on page 26 because you take so many separate courses.

**Disclaimer:** The anti-calendar is the result of years of reconnaissance and even some undercover spying (taking the courses). They are opinions of the contributors and we are not responsible for rogue agents who make courses seem easier than they are. In fact, if you're not going to be able to deal with rogue agents, you might as well just leave right now. When you're dangling above a pool of man-eating sharks, surrounded by henchmen, samurai, ninjas, samurai ninja henchmen, an evil supervillain telling you his plan for world domination, and a fat man named Bob, rogue agents are the least of your worries.

CHEM  
CIV  
ECE  
INDY  
MECH  
MIN  
MSE

### **APS105F: Computer Fundamentals**

If you've already done programming in high school, enjoy a fairly easy first year course. For those who haven't programmed before, Java, the language used in this course, can be intimidating so its time to buckle down. Fortunately, they make sure that the help is there, if you decide that programming isn't for you. There is an extra session every week just for you to go over everything twice and answer questions. Also the textbook is very good; it was written by one of the professors who will teach this course. Just trudge through everything, and when in doubt, just code. Write anything that may resemble a solution, including describing your algorithm in English, as you may get part marks. Finally, don't think that you can outsmart the assignment system by copying your friend's assignments and changing the variable names to avoid getting caught – they check the algorithm used, not the exact code.

### **APS106S: Fundamentals of Computer Programming**

Everyone has to program at least once in his/her lifetime. If you're a newbie programmer, then APS106 is the course for you. The course will pan out with the teaching mentality that "students are clueless". The lessons taught are built upon previously learned concepts. Also, like any other programming course, you are expected to produce a working code, which will be marked at the end of the lab. TIP: divide & conquer is the key. Plus, both final and midterm are open book. But NOT so fast, you still need to study and practice programming because chances are they will be tricky. Finally, the key ingredients to pass this course are to go to lectures & labs and to have good notes & logic.

## APS111F: Engineering Strategies and Practice I

- ..... Here's a course that you're either going to love or hate. You will be assigned to a design team to conceptually design a pet toy, and work on this project the entire semester. However, in this course, design means figure out the functions, objectives and constraints of the design and cooperating with your fellow team members. Confused? If not, you will be. You will also be introduced to quizzes that not only reward for the right answer, but punish for the wrong answer (by taking off marks).

Lectures vary and can be interesting, or extremely boring. Tutorials are mandatory, and since it is when your design team meets, you don't want to miss them. Write in your engineering notebook! It doesn't matter what you write. Just write what's going on in your team meeting – that's all. Quantity over quality for once! Welcome to engineering design.

## ..... APS112S: Engineering Strategies and Practice II

APS112 is simply the continuation of APS111 except instead of designing a fake pet toy you'll be given a real client. In preparing you for this, hours of your time will be spent making sure you act professionally around your client. You will also be introduced to other fields within the realm of ESP such as project management and human factors. Good luck staying awake during late afternoon lectures with the lights dimmed. The one reward of this course is that there is no final exam. Instead, you will perform a final presentation to your client showing off your design. You will also submit a portfolio showing off your contribution to your team – so save your work.

## .. •• CHE112F/S: Physical Chemistry

So if you're walking into CHE112 from high-school thinking that you love chemistry, like chemistry, or even just find the subject remotely tolerable, all that is about to change. Welcome to the new "grown-up" type of chemistry that involves way more integration than MAT186 will ever cover! My unoriginal yet heartfelt advice to you is this: DO YOUR HOMEWORK!!!! Don't worry if you find the little skull and cross-bones next to certain problems intimidating (especially since you cant solve the happy face ones). We've all been there. Not doing the problem sets guarantees that you'll get nothing out of tutorials, and tests will be physically impossible to pass...so it's not a good option. Lastly, keep in mind that this course is designed to make chemistry seem completely foreign. So in order to avoid a second dosage of "foreign fun" just make sure you take it seriously.

## CHE113S: Concepts in Chemical Engineering

The good news is that CHE113 has absolutely nothing to do with CHE112 (YAY!!! Have a party...I know I did). The bad news can be summed up in three words: practical laboratory component. Some of these labs will be fairly high-school-like, others may leave you concerned for your health (Polymer Processing for instance smells really interesting). The concept of weekly quizzes only contributes to the bad news. These quizzes not only show up in your labs, but also in your "2-hour first-thing-in-the-morning-show-up-because-these-ones-actually-count" tutorials. However, what's cool about this course is that it's broken up into three distinct modules. At the end of each, you write a sort of mini- exam pertaining only to material specific to that module, worth 1/3 of whatever the total exam counts for. So technically once you finish a module you can forget all about it and nothing bad will happen (who said that?).

## ..... CIV101F: Structures, Materials and Design

Two things to remember: (1) the sum of all forces equal zero, and (2) the sum of all moments equal zero. Once you have completed this course you will say it wasn't so bad, however you may have some trouble near the beginning. This course starts out with vectors, moves into forces on particles, and later to forces on rigid bodies. Have fun with your bridge design assignment – you get to use a computer program to design one (don't let the EngScis tell you that you're lazy for not calculating forces by hand, they're just too hardworking).

The one killer of this course is the weekly tutorial assignments. They are hard, but well worth completing as they are the same questions that will come up on the exam. This course allows for one resubmission on each assignment. Finally a break! For the exam, the format has not changed in over 7 years so write old finals to study.

## • ECE101F: Introduction to ECE

The best first year course! This course only has one lecture once a week. The course consists of a different speaker every week speaking about a specific field in which you can specialize once you are in the upper years. You may be tested at the end of lecture on some of the material presented. The only two possible grades in this course are pass or fail. Basically, you need to show up to lectures, pay attention and maybe learn something about where your discipline can lead you. You may ask yourself "This sounds too easy. Is there even a way to fail this course?" Yes, don't show up to lectures and you will surely fail. That and be confused on what to specialize in at a later date. Easiest. Class. EVER!

**ECE106S: Programming Fundamentals**

- If you didn't like Java, that won't change for C++. It is a very similar language; however the differences just mean new challenges. Now, you deal directly with the computer's memory rather than allowing the language to do it for you. As a result, the error messages are much less explicit. Two words: Segmentation fault. The first labs take about 5 minutes of a 2-hour lab period and teach you how to use important utilities. The rest of the labs take hours of work. Your assignments are submitted electronically where they are automatically graded by an auto-marker. No TA. No waiting to be graded. No mercy as the auto-marker gives you a zero for forgetting to delete that extra line of code you inserted for debugging. Tip: comment your code. Style will get you two free marks on each lab.

Both the midterm and final are open book. Knowledge and a good night's sleep are just as important as your notes, which if they are not sorted will prove useless as you try to find something during the exam.

- **ECE110S: Electric Fundamentals**

First thing's first: the textbook is good for nothing other than the problems. Go to class, take good notes, and ask questions if you have them. I guarantee you everyone else will be just as confused as you are. The first three weeks teaches you more formulae and standard units of measurement than you can count on your fingers and toes. Later in this course you will meet Ohm, Thevenin, Norton, and Kirchhoff, who you must get to know very well if you intend on passing the course. Finally, you will revisit your knowledge of complex numbers and actually learn that they have a practical use. Don't get caught cramming for this exam, it covers everything.

- **ECE115S: Electricity and Magnetism**

Firstly, use the textbook for your notes. It is just as good or better than the professor's board notes and very good at explaining things too. The course will discuss electrostatics and circuit analysis, so there will be a lot of formulas and techniques to understand. For the labs, make sure you complete the pre-lab since it is worth marks and will be used during the lab itself. The labs themselves have not changed in years so if you're having trouble with the writeup, get your hands on a copy of an old report.

The two midterms are mostly conceptual and apply the simpler formulas. To make your life easier you get an aid sheet on both



the midterms and the final to write down all those complicated formulas. If you still find some of the material confusing, consult your Grade 12 Physics textbook, it contains a lot of the same material without all of the integration.

## • **ECE190F: Discrete Mathematics**

Supposedly, this is a math course, however there is very little traditional math in it (with the exception of doing large factorials without a calculator). This course starts out with sets, logic and proofs, then kicks into high gear around the time of the midterm with counting and probability. After that a series of algorithms are covered on subjects such as relations, graphs, and trees. These are best left to memorization. Do the homework, as the weekly quizzes are usually homework problems. Study long and hard for the final as it is long and hard.

## • • • • • **MAT186F: Calculus I**

This course starts off just like high school. Limits, derivatives, graphing, related rates. But then you get hit with something new (if you went to public school in Ontario): Integration. Now, you may say that this course is easy and want to slack off. In one word: DON'T! Most high school curriculums will not prepare you as much as you think they will. It shouldn't matter if you are extremely proficient in calculus already, study and do the problems! Doing most of the problems in the text is probably the best way to study. And don't get behind in the work, or you'll soon find that you'll be overwhelmed by it. There is a lot of repeating of calculus concepts that you have already learned, but there is elaboration on them. The exam will be as much on the integration as it is on differentiation, so prior knowledge may not be enough. Study long and hard!

## • • • • • **MAT187S: Calculus II**

You thought it was over. You thought that MAT186 taught you so many new concepts, Newton couldn't possibly have thought of any more uses for his branch of mathematics. WRONG! The first lecture, not only will you learn that this course is way harder than the first one, but they will prove it to you – not mathematically, but by giving you sixteen 'basic' integrals to memorize. It doesn't let up.

Learning the techniques of integration, differential equations, infinite series, polar and parametric curves in four short months is harder than going through labour. The best advice for this class is to do as much work as it takes to understand what the problems are asking from you, and then do more. Do all (yes, all) of the questions assigned to you, and like in MAT186, do them as

they are assigned so that you're not cramming for the term tests. The exam will be hell, but mostly doesn't change much in terms of content from year to year. Take a full four days to study for this exam and you'll get a good mark. Any less and you're risking spending the summer at the university.

## • • • • • **MAT188F: Linear Algebra**

The course begins very slowly. You'll be tricked into a false sense of security about this course quickly, but don't fall into that trap. The truth is, there's A LOT of definitions in this course, and the beginning of the course teaches you the basics, and throughout the course, you use previously learned definitions to develop new ones. Translation: if you don't know the basics, don't bother with the hard stuff, so keep up. Your theorem list grows exponentially, especially in the last 3 weeks, when each lecture consists of throwing five (without exaggeration) new theorems your way. If you want to pass, the best advice is to keep up with the work and to actually understand why theorems work the way they do. The exam will take all of the allotted time, so you have to know exactly what's going on, as there is no time to think.

## • **MAT196F: Calculus A**

Firstly, no calculators allowed. Secondly, get ready to memorize! After a short review of limits the first chunk of the course will be spent on some utterly confusing theorems including the dreaded Epsilon-Delta proofs. All this should be memorized rather than understood. In addition, you will be expected to learn all of the trig identities in your book. While these identities may seem simple, they become very important next semester, so memorize them! High school differentiation will be reviewed with some applications such as curve sketching & related rates. Assuming the midterm is kept theorem-free, a reasonable mark can be attained since it is largely high school material. In this course, you will be introduced to integration. Integration is simply differentiation - in reverse. The key to integration is memorizing integral tables and lots of practice. Make sure you know EVERYTHING when the final comes around. It will be tested.

## • **MAT197S: Calculus B**

Integration! Get ready to give your memory a workout! When you're not learning new techniques of integrating, you'll learn new types of functions that you'll then integrate later such as inverse trig functions and hyperbolic trig functions. You'll also be introduced to differential equations (which include integration). While your professor may make these look complicated, it is imperative

that you learn a simple way of solving them; they will pop-up in other courses. You'll then be introduced to polar co-ordinates and parametric equations. These topics are relatively simple and a break from integration, until you're asked to integrate them! After this you'll be introduced to infinite sequences and series. They have the amazing ability to go to infinity yet add up to a finite number. And yes, they too can be integrated. (Catching on yet?) Just do as much work as time will allow for and memorize until your brain is at capacity.

## ••• **MIE100F: Dynamics**

This course is all physics. The successor to CIV101, except now  $\Sigma F = ma$ . The course starts out simple with a review of high school mechanical physics (projectile motion, acceleration, velocity). The first half of the course is relatively straightforward with point-mass physics and the introduction of some new co-ordinate systems such as normal-tangential and polar. After the midterm, the course gets a little interesting with the addition of rigid bodies and wheels, with vibrations tacked on at the end. This has been given the title of being the hardest first year course for the past couple years. They're not lying. The professors will try their best to make it sound simple, but that's all that they can do. The rest is up to you. Problem sets may be a hassle but will be your best friend when it comes to studying. Make sure that you thoroughly understand the concepts for the quizzes/midterm/final.

## •• **MIE191S: Introduction to MIE**

See course description for ECE101F. Essentially the same course, but for mechanical and industrial engineering as opposed to ECE.

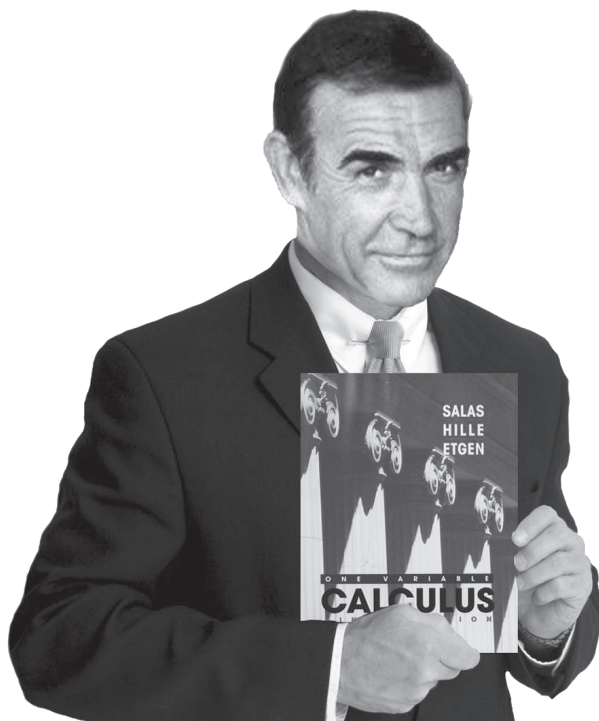
## • • **MIN 185S: Earth Systems Engineering**

This course covers everything you ever wanted to know about rocks and more, from the chemistry and naming of minerals to the structure of tunnels, mountains, and planets. That said, the professor does a good job of making lectures interesting and engaging. The midterm exam is all qualitative – make sure you take in the lectures and labs. Concentrate on listening over note-taking in lecture, as the professor's notes are available in the Geology library. The final exam is half qualitative and half quantitative. This one requires due diligence in studying lecture material and tutorial assignments. And in both cases, past exams are invaluable studying tools.

**MSE101F/S:**

• • • • • This is a dangerous course to be taking. On one hand, the material is essentially brand new. It is the study of structures on the atomic level, and for the most part is very interesting. On the other hand, the textbook is very well written, and is a great source of aid in times of need. On the third hand, the labs return fairly high marks as long as they are completed, and a high class average will exist going into the final exam. So where, you ask, is the danger?

The reason why this course is so dangerous is because it will lull you into a false sense of security. The actual in-class labs may be easy, but they take a very long time, and doing them the night before will leave you with very little sleep for the next day. As well, while the textbook is good, there is so much taught in class that is not in the textbook, and for that reason you must make sure you attend all classes. Seriously. If you miss a single class, you'll understand just how much you missed. The most dangerous part of this course is the final exam. Think of it this way: the class average needs to be dropped by about 10 percent for the final marks, meaning mid-60s on the final exam IF YOU STUDIED A LOT! This course has so much material from so many different areas of materials science it will make your head spin, so start studying early.



## ENGSCI ANTI-CALENDAR



Welcome to EngSci, one of the most notorious undergraduate programs in Canada! You'll be the second year to experience the new curriculum and lucky for you, we are here to help! In the next few pages we'll tell you about everything you need to know about the courses you'll be taking and how best to succeed in them; how sweet is that! Our advice will help you avoid all the pitfalls we fell into and hopefully, you might be able to have a life... Hahaha! We're just kidding, but seriously, you can try... So without further ado, we give you...the EngSci Anti-Calendar!

### **BME105: Systems Biology**

Don't let the name fool you, there isn't really anything "Systems" related in "Systems Biology"; it's just a full-blown biology course in disguise! But don't worry; take some time to preview and review those well-summarized online lecture notes. You probably won't be using the textbook much, but other than being a pricey, heavy, excellent paperweight, the book can be a cure for confusion as it explains concepts in great detail with pretty pictures.

Come exam time, get ready to cram, cram, and cram some more! Don't worry so much about understanding why things works, just memorize the facts as the test and exam are more about regurgitating the information taught in class and less about seeing if you really understand the material.

### **CHE119: Thermodynamics**

Here you'll learn about the secret workings of the Universe and a bit of physical chemistry for good measure. The course starts off easy enough with a short review of high school material before becoming heated and totally random, with facts and formulas bouncing around everywhere randomly in chaotic motion. You'll cover such topics as reversibility, entropy, and free energy along with the three laws of thermodynamics. The book is pretty useful and covers everything you need to know with clearly solved examples to boot. We suggest you at least try the assigned questions from the book as the quiz questions are always very similar to those from the book.

### **CIV102: Structures & Materials - An Intro to Eng. Design**

Ah, CIV 102...the course where you find out why towers stand up, bridges fall down, and that there's a minute probability that every time you get on an elevator the cables will snap...theoretically. It's also the course where the unit of weight is measured in football players...go figure. Here's something about note-taking in this class: do it, and copy what the professor writes and says, as there's NO TEXTBOOK for this course. You're going to have to rely on your notes and probably your friends' notes. It'll help you out when you're looking back at your notes and wondering where all these "magic" numbers came



from. But having to take such detailed notes isn't all bad; you can bring in your notes for quizzes and even the final exam! Ah, the exam...it can override your term mark if your exam mark is higher. Don't think you can slack off till exam time though...can you really afford to stay awake through that many classes again?

### **CSC180: Introduction to Computer Programming**

Welcome to CSC180! Here you'll become totally I337 in C programming! All the simple syntax covered during the lectures is just that; simple, but actually applying them and putting it all together is where things can get really ugly. The assignments can get increasingly more complex and time consuming, especially when you have to debug the most infamous bug in C language, SEGMENTATION FAULT, so start on your assignments early! Tutorials and labs are not mandatory, but if you're stuck on your program, you can usually come here and get help from your TAs or your peers.

Oh, and it's *imperative* that you do all those assignments yourself! You're going to have to write programs on the final exam so you might as well use the practice to save some cramming time later.

### **CSC190: Algorithms, Data Structures & Languages**

Here you will be extending your C language knowledge into C++. You will be learning about classes and objects (and how only friends can touch your private parts), data structures, lots of different algorithms and their running time. Like CSC180, set aside extra time for debugging as those bugs appear more often than ever. The textbook is confusing for most people; Reading lecture notes and just practicing coding yourself will be more effective ways of studying.

Do note the word "Algorithm" in the course title; this course is mostly about knowing the algorithms. If you're out of time for studying before the final, concentrate on how algorithms work rather than the codes that make them work since the final exam usually has very few coding questions on it.

### **CSC192: Programming, Algorithms, Data Structures, and Languages**

CSC192 is essentially CSC180 and CSC190 combined into one bloody exciting course. The midterm tends to be quite brutal, the final just ok, and the bell curve substantial (though not that much larger than CSC180). The real fun of CSC192 is in the assignments. They tend to consist of a single large problem, rather than many simpler ones as found in CSC180, and thus don't feel trivial. And huzzah, you'll get to pick an elective that you'll absolutely love in the second term (or end up doing some random ArtSci course just because it fit your schedule)!

### **ECE159: Fundamentals of Electricity and Electric Circuits**

Fundamental  $\neq$  easy. The two parts to this course, electromagnetism and simple electric circuits will each finish in 6 weeks and keep you confused.

Try to keep up or else you'll find yourself even more confused in lecture. The textbook is an invaluable asset and will help you out quite a bit with explanations of all concepts, clearly-written examples, and loads of practice questions.

Do the lab preps beforehand, and do not waste a minute in all those lengthy labs. If you don't know what to do, don't sit around; ask the TAs as they're usually nice enough to explain everything thoroughly.

The only allowed aid into the final is a calculator, so good luck on remembering all 100+ formulas. And get used to doing complex numbers on your calculator (provided that it can do complex numbers); they will make your life a lot easier come exam time.

## **ESC101: Praxis I**

The first part of the course is about "design", where you'll learn all you've ever wanted to (and didn't want to) know about designing bridges, including everything from deciding what type of bridge is best, to choosing a "reference" bridge, to doing all the technical drawings. It may seem like a lot of work but doing a little bit every week or so will make everything go a LOT smoother. The second part is "communication", where you learn to provide proof and reference everything you say in this course; statistics, dates, common sense, what paper you used, what you spilled on your project...EVERYTHING! They enjoy taking off BIG marks for neglecting to back up your statements.

The lab component is where you'll perform various physics labs. Don't worry too much about "getting the right data", just focus on error analysis and telling them where you went wrong and how much you went wrong by. And if you want a really good mark, you're going to have to put extra research and thinking into your labs.

## **ESC102: Praxis II**

This is a continuation of ESC101, but this time the course isn't centered on bridges! This time, your mission is to work with a team to look into a real world engineering problem and to build a crazy contraption to solve it within 4 months! To efficiently use this little time, put more effort into the process of making rather than focusing on making a working product. If you still run out of time, at least make your presentation such that it looks like you have been working hard all the time.

Just like its brother, ESC101, this course has a lab component again only this time you have more free choice in which experiments you get to do. You'll want to put more work into your lab reports since they'll be expecting more from you this time.

## **MAT185: Linear Algebra**

Get ready to switch into higher dimension gear! This course picks up where MAT190 left off and you'll be introduced to bases, rank, dimension, and eigenspaces. The course notes you're given will be invaluable because, well,

they are clear, well-written and at times entertaining while going through all of the theorems and proofs step-by-step. It's also a good idea to print out these notes out and bring them to class as the examples and theorems in lecture can usually be found right in the notes. However, to prepare for those mind-bending and tricky questions on the final, your best bet is to just look over the examples and do questions from the notes as there'll most likely be similar questions on the tests and exam.

### **MAT190: Matrix and Vector Algebra**

This course is an introduction to linear algebra. For some of you who haven't been introduced to vectors yet in high school, this will be your first taste of linear algebra and it will taste like a mixture of sweat, tears, and blood. If you have taken a discrete math course in high school, however, that will definitely be a big help here. At any rate, you should probably get working right away as, even if you think the material seems simple enough, the midterm and exam questions can be quite tricky unless you know your stuff through and through. Doing questions from the textbook is good practice as a couple questions on the test and exam are always taken from the book.

### **MAT194: Calculus I**

If you came here ready to work, you may even be disappointed at how easy this course is at first! But remember, this is Calculus we're talking about here. The course will soon pick up covering topics such as derivatives, anti-derivatives, and simple differential equations. Oh, and of course, you'll also learn...delta-epsilon proofs! After this, you'll have nightmares and horrible, horrible flashbacks upon just glancing upon these two letters, of which is comparable only to the dementors from Azkaban.

The textbook will help you catch up on the stuff you slept through in lecture. Do the assigned homework as weekly quiz questions are always taken from this list. Oh, and, make sure you really know all the theorems because you will have proof questions on the midterm and final. As a final note, this course is the foundation of many, many courses to come, so putting extra effort into this course will make your university life much easier.

### **MAT195: Calculus II**

If confusion is what propels you to study, congratulations, you will be extremely motivated to study for this course. You will learn all kinds of integration techniques, and all kinds of ways to look at series you didn't know (and didn't want to know) existed. For the final part of the course, you will start applying everything to 3-dimensional spaces (as if 2D space wasn't confusing enough), as you'll be introduced to basic vector calculus and multivariable calculus. It's amazing that students' heads don't explode when the professor writes a new theorem on the board...or maybe they implode, we don't quite know which.

To make sure such gory scenes don't occur, practice all the assigned questions, all the unassigned questions, and all the questions your friends have. Doing so will help ensure that you're not as screwed on the final exam.

## **PHY180: Classical Mechanics (Physics I)**

Most of the course will cover what you have learned in high school, but that if you start slacking off, those new concepts, such as spinning and oscillating objects, will be part of the grade-vital forces that will pull you down.

Attend all the classes not only because they are very fun to go to with all the demonstrations, but also because the examples covered during lectures will help you on the problem sets, the midterms, and the final. Do all those problem sets, because they are the easiest way to earn marks and good practice to understand the all the course material and to prepare for the final.

For the midterms and the final, you're allowed an aid sheet, so don't worry about memorizing all the formulas; just focus on understanding how to use the equations.

## **PHY190: Relativity**

Wanna know how to live longer? Then PHY190 is the course for you. Here's a little tip to do well in this course: don't worry about copying everything down as you will hardly catch up the professor's light-speed writing; you can find all the info either in the textbook or in the online course notes. Tutorials will go over lots of sample questions, which will prove to be extremely helpful for the problem sets, the midterm, and the final. In the end, you will realize that running for your whole live will prolong your life span by...1 nanosecond!



# SKULE™



Location: Sanford Fleming Atrium  
Operation Blue and Goldeneye

Welcome to agency headquarters, Skule™. Our people have been watching your progress and have determined that you need to let loose once in a while and party like an engineer. Skule™ headquarters has so much to explore that this task may take months to be adequately completed, so excuses such as, "Nothing here is for me" will not be accepted. Truth is, everything is created for you to have a good time. From the dinner dances to your dreams of stardom in Skule™ Nite, the Blue and Gold Committee to the Bnad, Stores to SUDS, everything is here for you, so take advantage and get involved!



IF LIFE  
WERE LIKE  
THAT...



YOU



WOULDN'T

NEED

**SKULE™**

## PRESIDENT

MEI LING CHEN - CHEM 0T7



Alright, kid. Here's how it's going to be: you're going to walk up to the steps of Con Hall feeling nervous, anxious and probably a bit hungry. What can you do about that, you ask? Now, first off I recommend eating breakfast because lunch will seem like a distant dream at 8 in the morning. Second, I recommend reading this entire handbook to make yourself as comfortable as possible come F!rosh Week. This includes reading the EngSoc section. And that means that for the next 300 or so words, you are all mine. Muahahaha hahahah ha.

So to not waste anymore of your time and my words, I'll get right down to it. Welcome to Skule™. For the next four (or more) years you will be on a crazy-wild ride known as "engineering" and many times you'll wonder if this was quite what you paid for. Let me tell you, the faculty is doing its best to provide you with a good education but the rest is up to you. There will be times when you'll feel like you're all alone – I assure you, we've all been there. Talk to your classmates, talk to older students and counsellors. They'll offer you advice and options that you might not have known you had. And remember, there will always be others who are in the same boat as you are.

Right now you may be wondering what else is out there to make the Skule™ experience a bit more tolerable and that's where we come in. The Engineering Society is your student government and as a full time student, you are an automatic member. We provide many services and clubs to help you make the most out of your career at Skule™. Join clubs that interest you and take advantage of our academic and career services because that's what they're there for. Read the rest of this handbook and see what we have to offer. If there's something you have a problem with or something that you think we should have, let us know. All the officers have office hours and we'd love to hear what you have to say. Keep in mind that you're paying for these clubs and services and it's up to you to get your money's worth.

To sum it all up, my advice to you is this:

- Do F!rosh Week. It's the best on campus and a good chance for you to meet your classmates and upper years. You'll regret it if you don't.
- Get involved. One way or another.
- Go to classes. Above all, your education should be your first priority. The key is balance.
- Shower. I cannot stress this enough. Smelly people get the least amount of lovin'. True story.

## VP Finance

PAUL RADCLIFFE - ENGSCI MANU 0T7



Greeting F!rosh and welcome to Engineering at the University of Toronto, or Skule™ as we affectionately call it. I am the VP Finance (aka VP Bling, aka VP Moneybags) of your Engineering Society. As you may know, all full-time undergraduate engineering students are members of the Society. My job is to oversee responsible allocation of the Society's resources and make sure you get the most for your money. Find out more than you ever wanted to know about the Society's finances at <http://www.finance.skule.ca>.

Your primary mission for your next four years or so is academics. This is your training to become a professional engineer. So, go to lectures, tutorials and labs. Study hard! Do your problem sets, finish projects and assignments and write tests. Remember, you are not alone! Get help from your TAs, professors, your peers and dozens of other student services throughout the campus.

Your secondary objective should be to create great memories. These are what you'll remember long after you've forgotten Jacobian transformations and quantum spin numbers! Budget your time well and come out to events, clubs, and committees. Good luck, and enjoy your time at Skule™.



## VP Academic

DAVID LEE - ENGSCI BIO 0T7

Hello, and welcome to Skule™. You came here for an opportunity to build your future. You seek intellectual challenges. You are (hopefully) prepared to work hard to achieve the highest level of success, and I am here to help. I ensure that programs and services for your academic success and profes-

sional development, offered by both your fellow students and the Faculty, are there for you to take full advantage; further, I liaise with the Faculty to make sure your voice is heard (to give me stuff to vice, yup, that's up to you).

Do not forget, however: Skule™ has lots more to offer than just books. Be involved! In my experience, shared by many that I know, your academic success and professional development is elevated to the next level with involvement in extracurricular activities and Skule™ Sprit events. This book introduces you to a wide variety of clubs and activities you can become involved. Be it a spirit event or a design club, you'll find the niche to anchor yourself and call this place your home. The sheer size of this university may give you the (false) impression of being cold and impersonal, but by being involved, you will find this place to be as personal and friendly as I have found it.

I look forward to meet you in the F!rosh Week and beyond. Come say hi to me in my office!

## VP Communications

*SAM VAFAEE - ECE 0T8*



Hey there F!rosh! We're glad that you've decided to join us here at Skule™. My name is Sam Vafae and I'm your Engineering Society's VP Communications for the year. You can think of me as the person with answers when there isn't anywhere else to turn to. I can always point you to the right direction with the help of my trusty officers and directors.

It's important that you balance your academic life with other activities, so I will be providing you with regular updates on [www.skule.ca](http://www.skule.ca) and through your ECF email.

If you want to leave an impression, contribute to one of our publications such as The Toike or The Cannon. While you're at it, join one of our many organizations and clubs. But as a start, be sure to come out to all of the events that orientation has to offer! They call it F!rosh Week for a reason.

If you have any questions or concerns, you can always reach me at [vpcomm@skule.ca](mailto:vpcomm@skule.ca).



## VP student life

*MIKE KRANZ - CIV 0T7*

As VP Student Life, I am concerned with the social experience of the undergraduate engineering student. Some of the more visible aspects of my position include overseeing engineering society events, such as Orientation and Godiva Week. In addition to the 1000+ student events, I also oversee small-scale student events that occur throughout the year.

Clubs ranging from design teams like Concrete Canoe to social clubs like the Spades Engineering Cards Society falls under my realm of responsibility, and it is my job to ensure their success by helping them get what they need.

Another significant component of my job is to encourage and promote the many involvement opportunities available to F!rosh and upper years alike. Engineering provides many different ways to get involved, with clubs for everyone. It is with this, that I wish all of you the best of luck on the upcoming year and encourage each and every one of you to get involved with something, as there is more to an education than what is covered in the classroom.

## a brief history of skule™

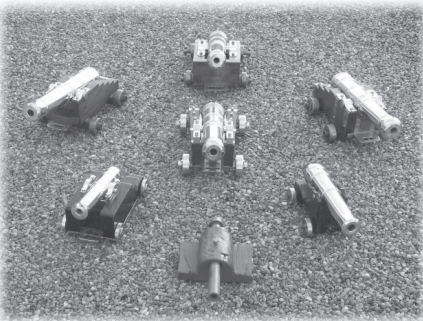
Listen up, 1T0. As you know, you have now covered two parts of your training and the third is about to start. Skule™ has many aspects, and in this briefing you will be introduced to many of them. You will need to know about Skule™ and the years of tradition and history that are associated with it. As such, here is your briefing, agents.



Skule™ started with the foundation of the College of Technology sometime in the 1870s. In 1878, they moved to the University of Toronto grounds and began calling themselves the School of Practical Science (SPS), occupying a red brick building known as the Skulehouse, which sat on the grounds where the Medical

Science Building is today. In 1885, the core of our agency, the Engineering Society, was founded. Many Skule™ events (a codename for our spirit-raising missions) were started in the Skulehouse, such as our top-secret publication, the Toike Oike (see page 47), the humorous newspaper used to boost the morale of our agents. The name Toike Oike originated in this building, coming from a custodial agent under the alias of Graham. Irish, and with a heavy accent, he would tell other anyone loitering around at night to 'Take a hike'... but with the accent, it sounded like 'Toi-kee oike'. Due to its uniqueness, early Skule™ agents felt it would be an appropriate codename for the publication.

The Skule™ Yell (learn it well, 1T0, for it inspires fear in our enemies, see page 86) was created in the early 1890's and is now chanted after each firing of the Ye Olde Mighty Skule™ Cannon, which became a part of the arsenal in the early 1930's after one of the two cannons outside Hart House were fired by our agents. After this, the miniature cannons began to appear... but don't let them fool you... we don't call it 'mighty' without good reason (you will understand its power during F!rosh Week). The Cannon is also one of three components in the Skule™ triumvirate that must be protected at all costs, as they are the major



sources of spirit in the agency. The Cannon has never been stolen by a rival agency outside U of T; make it your mission that this remains the case.

The second component of the triumvirate is the Lady Godiva Memorial Bnad (see page 38), the noise-making, renegade musical terrorists who serve as a distraction to the enemy during our missions, while boosting our morale. A.J. Paul LaPrairie, a member of Skule™ when it was located in the city of Ajax many years ago, founded them in 1950 as a way of bringing new traditions and activities to Skule™ as it moved to Toronto. Join them, for they can teach you many things about being an agent you will not learn elsewhere (and you'll have fun learning).



The third part of the triumvirate is a group which does not exist, never has existed, and never will exist. They are not responsible for strange occurrences around campus and are not responsible for raising spirit and morale. We shall not discuss them further... as they do not exist. Ahem, continuing...

Many events around Skule™ have deep history to them, such as the chariot races of Godiva Week (a critical task in your training with us, see page 44), or Skule™ Nite, our musical comedy revue. Skule™ Nite (see page 42) started in 1921 at Massey Hall under the name Ngynyr in SPaSmS. It has now moved to the St. George Campus and has become an annual event.

Unfortunately, this briefing only gives you a brief overview of the organization you will be a part of. Our field handbook has limitations to it (rumour has it our research teams are developing an infinitely large field handbook for fu-ture agents). If you find that you require a more detailed briefing to succeed in our agency, then look for the agent in the green hardhat with gold letters spelling ARCHIVIST during the F!rosh Week missions.

Now continue your training, agents. You still have much to learn.

**SKULE™ ARCHIVIST**  
**MIKE HAWKINS**  
**CIV OT8**



# INTRODUCING...

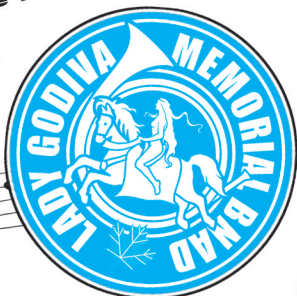
... The world-famous, QUINTUPLE PRIZE-WINNING, **SEX**tuple record-setting, TSE CRASHING, FOOTBALL FIELD DASHING, alcohol stashing, *Oktoberfest bashing*, **JOKE REHASHING**, FOUNTAIN SPLASHING, Jumbotron Flashing, ROYAL YORK TRASHING; STEALTH-BNAD STALKING, impostor-bnad mocking, Con Hall shocking, **GRADBALL ROCKING**, **United Way walking**, SCAVENGER HUNT JOCKING, hockey game socking, CHARIOT RACE CLOCKING, speaker's corner talking; **Pop machine filling**, READY-AND-WILLING, Crown Royal swilling, "Yo, we just chilling"; **CN Tower ascending**, Cannon defending, peace-and-quiet ending, MANY PATENTS PENDING, Coke machine wiring, world takeover conspiring, **instrument acquiring**, FEAR INSPIRING, **INTRODUCTION IS TIRING...** Yonge St. Cruising, **Varsity Bluesing**, eardrum bruising, **MUSIC ABUSING**, Blue Jay enthusing, referee accusing, rum and coke oozing, **HART HOUSE FARM CAROUSING**, **Iron Ring perusing...**  
... Pratt Building, FOUR SEASONS, SkyDome, **EATON CENTRE**, **CN Tower**, Innis Condo, Scarborough RT, Bahen Center for Information Technology, **Skule Nite**, Spadina Streetcar, **Sheppard Subway Opening...**



# ...AND SUBWAY CLOSING...



...the **Godiva Memorial Bnad**  
Renegade Musioal Terrorists  
Marching Gregorian Chant Society  
& White Noise Brigade!



**'Noe Tahlunt? Noe Prawblemi!'**

**'GPA Too Hye? Wee kan hellp!'**

So yoo may be wunduring: whut exaktly doez this introdukshon meen? Yoo may be wunduring: what exaktly is the LGMB? Yoo may be wunduring: why am I styll reeding this?

The LGMB iz THE gratest and most amayzing way tu get invohvled with Skule life. Wee may have 'BNAD' in our nayme, butt don't be confuzed, wee're reelly a group of marching students bent on promowting Skule Sprit... who happun tu carry instrumentis...

Soe now yoo're azking: 'how do I gett invohvled with the gateway club to Skule Spirit? I'm gladd yoo azked. There arr no reehursals... There arr no commitimints... Just show up! Come to the Bnad Room and bring only yourself and your shoes (sorry, yoo're not allowed to come without shoes).

We rabble-rouse at tons of events lyke basketball gaymes, university prezident welcominz, rugby championshipz, lektures, hockey gaymez, charitabable events, parades, and football losses.

Soe now yoo're azking: 'Whut if I don't plahy any instrumintz?' Hmm... I'm gladd yoo azked. Instrumintz arr for muuzicians. For everyone else, we carry a wyde assortment of whistles, boomwhackers, kazoo's, rattles, bedpans, firebells, critters, and various other forms of white noise... you know, the kind people show Skule Spirit with.



And NOW yoo're asking (inquisitive little Firosh, aren't you?): 'whut's in it for me, besydes meeting tons of cool Skule people & learning to plahy an instrumint I never knew existed?' Well, allow mee tu introduce our motto: 'Will play for and BEvERages'. The Bnad iz a grate place to have tons of funn, and fed too!

Ok, ok, last question - my brayn's getting tired (phew): How do yoo sin (up) for the LGMB? That's the easy part: Everyone in Engineering att U of T is already a member! How 'bout that!? Look out for Bnad event announcemints during Firosh week & throughout the year, and come out with the Bnad!

Hope to see yoo thare!

**Caitlin Bailey**  
Bnad Leedur

**Nicholas Cifelli**  
D(r)umb Major(k)

**Nick Loberto**  
Joonyur Bnad Leedur

**Evangelos Staikos**  
cymbolik Major(k)





## Message from the Cannon Guard

*The campus quakes and the artsies tremble under its incredible might. It is a symbol, a declaration of our indomitable will and unmatched supremacy. It is a testament to our glorious past and the infinite potential of our future. It is Ye Olde Mighty Skule™ Cannon and it is YOUNG engineering mascot.*



*The Skule™ Cannon was officially adopted as our mascot in 1929 when an engineering caper resulted in the firing of two decorative cannons outside of Hart House. In the early 1930's a smaller Cannon began to show up at important engineering events, fire, and quickly disappear. This tradition has continued for over 75 years and today a total of seven Skule™ Cannons are in existence.*

*As the might and glory of the Cannon has grown, so too have the number of rivals that would like to steal it from us. Shortly after its creation, the need to protect our mascot was recognized and the Cannon Guard was formed. Throughout the years there have been many attempts to steal our Cannon, both foreign and domestic. While jealous faculties within U of T have, on very rare occasion, captured our mascot, no other university has ever successfully taken our Cannon.*

*Every member of our school's engineering society is a member of the Cannon Guard, and great lengths are taken to ensure its safety. As you become a part of our engineering society you will no doubt encounter the Cannon and witness its unbridled might on many occasions. If you continue to show spirit and dedication you, too, will one day guard the Cannon yourself.*

*The Mighty Skule™ Cannon, built on tradition and forged through spirit, is a common bond that unites our engineering community. It represents our strength, our unity, and our dedication to excellence in everything that we do. Let the crack of thunder and billow of smoke be a constant reminder of your pride as an engineer.*



## Blue and Gold Committee

The members of the Blue & Gold Committee can best be described by imagining a combination of equal parts mad scientist, superhero, and Godzilla. Despite the innate awesome-ness of Skule, the Blue & Gold Committee exists to kick it up a notch.



We are responsible for running the odd movie night and social excursion during the school year, and have also been known to take massive bus trips to other universities to party down, party up, and in all other directions (we have 6 degrees of party freedom). Joining Blue & Gold requires little (no) formal commitment, skill, or sobriety. We encourage you come out to the Blue & Gold Movie Nite and Blue & Gold Bed Races during F!rosh Week. In the fall, help us build the Engineering float for the annual U of T Homecoming Parade (winner for 14 years in a row so far!), and ride with us in the parade itself!

But these events are all kid's stuff. In January we really turn up the heat and the whole kitchen explodes. Godiva Week is a formal and respectful celebration of the sacrifice and legacy of Lady Godiva, and the proud Engineering tradition of solemnity and skill. Naturally this means a five day long party with nothing but fun, fun, FUN (!) events. Of special note is the much-hallowed Ye Grande Olde Chariot Race, wherein every discipline (and the F!rosh on their own) constructs a chariot and races it in a massive, full-contact, unbridled explosion of Skule Spirit (and snow/mud, weather permitting).

Some of you may be under the impression that it is more important to study for class than it is to rock out with power tools. In this case, let us remind you of the story of Keener and the Slacker:



*Once upon a time, there was Keener and Slacker. Keener worked hard and studied every night. Slacker listened to loud music and played video games all day... Lots of stuff happens that we don't remember, but Keen-er's puppy runs away while Slacker takes his notes and gets an A+. Slacker also gets a hot girlfriend, and a race car. Do you get the picture, F!rosh?*

If you enjoy learning to (mis)use power tools, the odd social BEvERage, building things out of the (cheapest) finest materials, and saving humanity from the clutches of evil-doers, consider this your invitation to join the Blue & Gold Committee. To sign up for our mailing list, go to <http://blueandgold.skule.ca>, or email us at [blueandgold@skule.ca](mailto:blueandgold@skule.ca), and get ready to rock!

**BLUE & GOLD CHAIR**  
**HENRY CHEUNG**  
**ENGSCI INFRA OT7**

**BLUE & GOLD CHAIR**  
**JOHN MCLEOD**  
**ENGSCI PHYSICS OT6+PEY**

## Skule™ nite IT'S LIKE MAD TV... ON STEROIDS!

Do you want to act crazy, dance, and sing at U of T's historic Hart House Theatre? Maybe you'd like to play with power tools or take control of dazzling lights and sound effects? Or perhaps you're dying to be in a rawkin' orchestra? If you said, "OMG, WTF, BBQ – yes!" to any of the above, we want YOU to be a part of Skule™ Nite 2007!

Since 1923, Skule™ Nite has been U of T Engineering's Musical-Comedy Revue. Note that Skule™ Nite is NOT a talent show or a drunken performance of hastily-written skits; Skule™ Nite is part sketch comedy, part Broadway musical, and is



### ONE OF THE MOST FUN AND PROFESSIONAL THEATRICAL EXPERIENCES YOU CAN HAVE



in Engineering, at U of T, or in  
**THE ENTIRE UNIVERSE!**

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



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

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

**BUILDING CREW** – Design, construct, and paint awesome sets and props for the show!

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

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

**COSTUMERS** – So it's been your dream to make the cast look straight outta Bollywood? LIVE THE DREAM!

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

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

Say it with me: **BEST SKULE™ NITE EVER!**

**DIRECTOR**  
**CHRIS PERESSOTTI**  
ENGSCI 0T1 + PEY

**PRODUCER**  
**DON MCAUSLAN**  
ENGSCI 0T4 + FUN + MORE

**SKULE™ NITE LIAISON**  
**CAROLYN HICKS**  
CIV 0T7

## SUDS ... *NOT* STIRRED

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



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

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

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

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

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

**SUDS FINANCE MANAGER**  
**NATHAN SCHNARR**  
**MECH 0T7**

**SUDS OPERATIONS MANAGER**  
**JESSICA TINIANOV**  
**MECH 0T6+PEY**



## godiva week THE SEQUEL TO F!ROSH WEEK

Listen up folks!

We got a weeklong operation classified as a maximum-risk mission. It can be considered as a follow-up of Operation F!rosh Week; same ridiculous fun, but different focus. Now, what to expect from such a mission, you ask? Godiva Week commences with readings from the sacred text of Calculost and escalates from there.

Only the bravest, meanest, and toughest compete for the glory of becoming Chariot Race Champion. Think Ben Hur, only with snow, the same amount of violence, but slightly less death. F!rosh can compete – you even get your own team – but the odds of winning equal zero. Also occurring are the gut-wrenching contests of hilarity, the most noteworthy of these being the Mr. Blue & Gold and Godiva's Crown competi-tions.

Imagine an over-glorified talent show evaluated by a team of qualified and completely unbribeable judges. The main difference between the two competitions is to which gender they are specific (if you cannot figure out which one is for the lads and which one for the lasses, you might want to consider a different field of operations, recruit.), and whether they involve a lumberjack section. Like the Races, you're encouraged to compete even though you're not eligible for 1st prize.



On that note, there are three competitions in which you win. Calculost, an test of wit, skill, and anal memorization; Hardhat Decorating Competition, which is exactly as it sounds; and lastly, Ultimate F!rosh, which is basically a series of gruelling knockout rounds to determine who is, well, the Ultimate F!rosh.

What has recently become an annual and very popular event is the Godiva Week Village Pub Crawl and is the perfect way to spend your free evening. A large troupe of Engineers of all genders and sexualities go on a large tour of the hottest pubs and clubs at the heart of the Church Street Village. At the end of the week and after the flamed-filled closing ceremony on the last day, Godiva Week officially comes to an end – but unofficially continues with parties, keggers and the Engineering Christmas semi-formal: the Cannonball. Ask that pretty girl or handsome boy to the Cannonball where you can enjoy your hangovers together at a fancy candlelit dinner (Note: may not be candlelit, but they assure us it is fancy).

That's it, recruits; all you need to know to survive what is commonly referred to as 2nd semester's F!rosh week. Take care of yourselves out there, and try to make it back in one piece, 1T0.

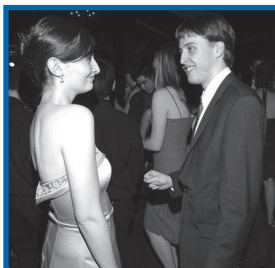


## Dances

### EVENTS NOT TO BE MISSED

#### Dinner Dances

This is your first foray into the world of engineering dances, 1T0. There are four throughout the year, and you should try to attend all of them. This particular dance occurs sometime in the fall – keep an eye out for it. Hosted by your discipline club, it will afford you a break from the tedium of first term. Here, you can relax and enjoy an evening of dining and dancing with your discipline Skule™mates in a semi-formal atmosphere. Most disciplines have a dinner dance. Use your wit and charm, 1T0, to make friends – and allies – on the foreign dance floor.



#### Cannonball

This is one of the annual dances of the Engineering Society. Held at the end of Godiva Week, it is the last engineering celebration before winter term classes get underway. This will be your first chance, 1T0, to dine, dance, and mingle with all of engineering. Cannonball is a semi-formal event, but do stay sharp. The Skule Stage Band will be performing, and Ye Olde Mighty Skule Cannon will make an appearance. As well, intelligence reports that there may be an intrusion by a white noise brigade.



#### Gradball

The other annual dance, Gradball is held shortly after the Iron Ring ceremony for the graduating class in March. It is a celebration of graduation from Skule. It is not, however, exclusive to the graduating class, and it is attended by many non-graduating students. Celebrate the four (or more) trying years of engineering with a fine dinner, a grand dance, celebrated speeches, and honorary awards. Awards are presented to recognize individuals and groups at all levels of Skule. Gradball is a formal event – do wear your finest, 1T0. Performers include, once again, the Skule Stage Band and Ye Olde Mighty Skule Cannon, and reports also indicate the presence of a renegade musical terrorist cell.

#### S-Dance

The final engineering dance of the year, S-dance is the annual athletics banquet. It is inexpensive to attend, and the dress code is in the "not-so-formal" range. Athletics awards are presented here, but it is not required that you are an athlete to attend. Here, 1T0, you will enjoy a buffet and informal dance. You can relax and look back on a hard earned year of Skule. Keep in mind that you may run into a marching Gregorian chant society.





## **The Cannon** *OUR 'SERIOUS' NEWSPAPER*



The Cannon is the official engineering newspaper at the University of Toronto. It was founded in 1978, as a way to separate the humour of the ToiKe Oike from the more serious and informative news in engineering. It originally focused very little on social events; whereas, currently our coverage is approximately 400% greater when it comes

to our social lives. It is the only newspaper whose sole purpose is to cater to the engineering undergraduate students (that means YOU). It is filled with information about upcoming events, scholarships, PEY experiences, professor interviews, and featured clubs and organizations that you can get involved in all year round. Since its birth, the Cannon has undergone several layout and content changes to provide you with the most relevant information and an appealing look, resulting in the Cannon you see today. The first issue you will find on newsstands around campus in the middle of F!rosh week is dedicated entirely to you, F!rosh 1T0. Make sure to pick up a copy for event schedules, free giveaways, and pictures.

If you like what you see, or think you can improve somehow, there's always a place for you on The Cannon team. If you simply want to become a part of an awesome club that serves engineering students, send us an email at [cannon@skule.ca](mailto:cannon@skule.ca). For anyone interested, issues from previous years can be found at [cannon.skule.ca](http://cannon.skule.ca).

We are looking for (but not limited to):

- Writers
- Correspondents (1T0, Faculty, etc)
- Photographers
- Layout monkeys
- Copy Editors
- Distributors
- Artists
- Pizza guys and BEvERage girls

Why Should You Join?

- Free food and drinks at meetings
- Great opportunity to showcase your talents outside of math and physics
- Chance to meet upper years with experiences and stories to share
- Bragging rights
- Procrastinate from Skule work
- Interact with the hawt editor
- Take a break from Warcrack

**EDITOR-IN-CHIEF**  
**ASHA HAGIWARA**  
**MECH 0T8**



# The Toike Oike

The University of Toronto's Humour Newspaper Since 1911

## The toike oike PRONOUNCED 'TOY-KEY OYK'

As a new engineering student, you may think that your life will be on a strict regiment of lectures, tutorials, problem

sets, labs, studying, quizzes, tests, exams, sleepless nights, design projects, caffeine pills, and stinky electrical engineering students.

Well, it will. But there's more to engineering than soul-sucking activities like those listed above. This is where I come in. I am the editor of the Toike Oike, University of Toronto's only humour newspaper. This newspaper is run by the most awesome group of students on campus: the engineers. I am responsible for ensuring that a publication is produced every month that is so awesome, it is delivered everywhere on campus and enjoyed by engineers and artsci's alike.

To get this kind of quality I need all the help I can get from students like you! The Toike Oike is always looking for funny people to write articles. But get this, we have extended our offer all the way to include sort-of-funny and even not-so-funny people to help out with graphics, layout and other non funny-intensive tasks. All of these jobs produce a newspaper with quality untouched by any other publication on campus.

Things you may look forward to as a Toike Oike team member include: a delightful escape from the never-ending stream of crap engineering sends your way, an opportunity to show up friends by having your article on commies printed in a newspaper, and a behind the scenes view of the dark underworld that is the University of Toronto newspaper ring.

Think you're interested? Great! Not really? Maybe you should reconsider. Whatever your thoughts are, a great place to familiarize yourself with the Toike Oike is at <http://toike.skule.ca>. You can check out some previous issues and see pictures of some of our staff. Your picture could be there, come help the Toike!

If you have any questions about the Toike, publications, love, or life you can always drop me a line at [toike@skule.ca](mailto:toike@skule.ca).

**EDITOR-IN-CHIEF  
CHRISTIAN CHICORLI  
ENGSCI AERO OT8**



## Skule™book

WAY MORE THAN JUST A YEARBOOK

Due to the popularity of last year's Skulebook (aka The Wholly Magnificent and Ultra Secret Project), the Engineering Society has commissioned yet another edition. Skule™book 2007 will be operating under the codename: The OMGWTFLOLBBQ-Bo0k!!!!11!!



The OMGWTFLOLBBQ-Bo0k!!!!11!! will take advantage of new cutting edge publication technologies. It will be 100% holographic and will fit on a silicon chip the side of your thumbnail (or the size of your pinky nail, if you have really fat hands). The OMGWTFLOLBBQ-Bo0k!!!!11!! will be available in both Windows and Macintosh compatible editions, but the Windows ones will corrupt, break or freeze after multiple viewings.

If you're still reading and want to be part of the OMGWTFLOLBBQ-STAFF!!!!11!!, please send an email to [skulebook@skule.ca](mailto:skulebook@skule.ca). We're looking for photographers (lots of them!), writers, copy editors, layout staff, graphic designers, artists and people who are really, really good at bugging people to hand things in. If bossing people around is your cup of tea, we're also looking for some managers to oversee specific sub-committees of the The OMGWTFLOLBBQ-Bo0k!!!!11!! We welcome questions, comments and math problems whose answers are 5.

**SKULE™BOOK EDITOR**  
**CHRIS DOAN**  
**ELEC 0T7**



## F!rosh handbook

LOOK IN DICTIONARY UNDER AMAZING

Have you ever tried to pack for a month-long vacation? Maybe you were going to camp or far away to live in a country whose name you could not spell. You know the feeling of angst that comes over you? When you have only one suitcase, but so much stuff to fit into it.

Enter F!rosh Handbook. Try to take all the cool things that happen at Skule™ and pack it into one tiny, 8.5" x 5.5", 96-page (not including the covers) book and what do you get? An explosion of creativity, beauty, ugliness, hundreds of interested F!rosh, and two befuddled editors who can't believe that they're spending their Saturday in the Engineering Communications Office. How can I say 'interested F!rosh' you ask? Well, we still can't believe that you're reading a blurb about the book that you are reading. For more information on the F!rosh Handbook, please see the bottom half of page 48.





# Mario's Bakery

## Always Hiring!



[www.mariosbakery.ca](http://www.mariosbakery.ca)

An exciting career awaits you at Mario's Bakery! With this position, you get to make a difference in the stressed lives of fellow students. Be prepared to know the campus inside and out, at all times of the night. We want motivated and talented individuals to help us cater to a full range of campus-wide events. Our extensive selection of sturdy cakes, fresh concrete, and glazed lumber will be sure to delight and amaze.

If you are interested in catering, cooking or commando painting, with some cunning construction thrown in, this is the opportunity you have been waiting for!

Our recruitment operatives will be around during orientation. Be sure to show your Spirit.



## engineering jackets

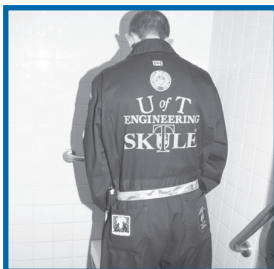
Nothing fits better than an engineering jacket. It's true, it's been scientifically proven. The leather jackets covered in Skule™ patches and the title of your discipline and year practically ask to be bought. These jackets are the greatest of the great, showing the world that you are an engineer

from the University of Toronto, and you are proud of the noble profession you are working towards entering. That said, we must regretfully tell you:

### F!ROSH CANNOT HAVE ENGINEERING JACKETS

"But, why?" you might ask yourself. Well here's your answer. F!rosh have not earned the right to wear this jacket. You must endure hell to truly appreciate heaven, and so you must complete first year before you can wear it. Besides, wouldn't you look stupid having "Eng Sci" written on the sleeve after you decided to switch into Indy? If you still decide to forego this advice and buy a jacket nonetheless, be assured that you will shame yourself and engineers around you will be ashamed to know you (just don't buy one, OK?).

Now let's say that you complete first year, and by all means, intend to buy an engineering jacket because, well, now you're allowed to. What better way to watch your freshly spent \$500 than to have it beaten, soaked with BEvERages and curdled milk, dragged, kicked, smacked, tug-of-warred, seasoned with a special blend of herbs and spices, frozen, and generally have the colour and new-jacket-smell beaten out of it. The process is called weaning, and it's something that occurs when the owner of a freshly bought jacket decides that they want it weaned (don't worry, it's not mandatory). Why would people agree to this procedure? Well basically, because it is a badge of honour. Nothing says Skule™ spirit like a smelly, discoloured jacket. Besides, leather jackets look really good when they are worn in. It's that vintage appeal.



## coveralls

The latest in high-tech flexible armor from Q Branch. These are impervious<sup>1</sup> to paint, BEvERages, less welcome aromas, nerve gas, lasers, F!rosh, and can be worn for days on end. Doesn't this sound like an essential piece of equipment? Unfortunately, only experienced agents are issued<sup>2</sup>

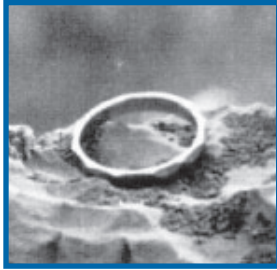
this article, meaning F!rosh cannot own these. You must have gone through at least a year of Skule™ training to honourably wear and decorate these.

1 May not actually be impervious

2 'Issued' meaning allowed to purchase

## The Iron Ring

The Iron Ring is what identifies a person as a true engineer. It is the culmination of four (or more) years of rigorous training and learning, and it is given to many engineers in North America upon graduation. Worn on the pinky (little finger) of the dominant hand, it is a symbol of pride, humility, and commitment to professional and ethical conduct, as well as serving as a reminder to the mistakes other engineers made in the past and the tragedies that resulted from them.



One such mistake led to the famous collapse of the Quebec Bridge during its construction in 1909. It was to be the world's longest bridge, but when two compression members in the south anchor arm of the bridge failed, 75 workers were killed. Reconstruction began, but in 1916 the centre span of the bridge collapsed as well. Upon investigation by U of T professor John Galbraith (that's right, THE John Galbraith who our engineering building is named for), it was revealed that there were major flaws in the bridge engineers' plans, leading to the collapse.

As a response to the disaster, UofT professor, and first student president of EngSoc, H.E.T. Haultain spoke to the Engineering Institute of Canada. He wished to remind engineers of the lives that are placed in their hands and of their moral obligation to society for the things that they create. With their endorsement, he wrote to Rudyard Kipling, famed poet and author of *The Jungle Book*, who devised the ceremony called the Ritual of the Calling of an Engineer. At the centre of this ritual was the Iron Ring, given to a graduating student. The Ritual has been passed to each generation of engineers, and soon to us, reminding us that we owe it to society and to ourselves to always act in a responsible and ethical manner, for the betterment of all.



## Hardhat decoration

Good morning, 1T0. Your next task involves going undercover as a highly spirited engineering student. Your mission is to decorate your hardhat to convince upper year students that you want to get involved in Skule™ life. Take note that there will be people watching you, 1T0, and if you do

not complete your mission, some may become suspicious that you are not the spirited engineer you claimed to be in F!rosh Week. It is of the utmost importance that this mission is completed by Godiva Week's F!rosh Hardhat Competition (see page 44). Oh, and 1T0, use good materials and design something original. Remember, you have a license to build.

## Engineering Stores



Trying to escape from Professor No, and his T.A. Oddjob? Do you feel the need for school gadgets, such as mechanical pencils, or an accompanying lab notebook? Or maybe you require a proper disguise, such as a Skule™ cap, or a variety of Skule™ t-shirts, or even a handy Skule™ backpack?

Well, look no further, because here's Q, wait, rather, the Engineering Stores, conveniently located in the basement of the Sandford Fleming, right by the atrium (or specifically B740). The store, which has been serving students since 1891, has a motto of "BY THE STUDENTS, FOR THE STUDENTS." This means that we here are just like you. We've been through first year, and we know the tricks of the trade. Students run this store, and at the end of the day, we're just here to help you accomplish your mission (which is of course making it through first year).

Here at Stores, you can find many things that will aid you in your day to day adventures, which include:

- Paper and Notebooks
- Pens, Pencils and other necessary Skule™ items
- Drafting supplies, such as rulers, etc.

As well at Stores, we have some special exclusive things that you will not find anywhere else on campus. These include:

- Faculty pads, which is a necessity for at least one course
- Engineering Lab Report Covers
- Skule™ Clothing, like t-shirts, hoodies, or baseball caps.
- Skule™ Backpacks
- ...Plus many other items.

Oh, don't forget,

## **ENGINEERING STORES HAS THE CHEAPEST FIRST YEAR TEXTBOOKS ON CAMPUS!**

Check out our website too. Its [www.stores.skule.ca](http://www.stores.skule.ca) and you'll be able to find many of your much needed items. We are currently working on an online ordering system set up for textbooks, so pay attention. We have longer hours during F!rosh Week, to make it easier for you to get those vital supplies. Look out for some cool promotions during the year, such as the wheel of doom, and more...

If you have any questions, you can email us at [stores@skule.ca](mailto:stores@skule.ca)

**OPERATIONS MANAGER**  
**IAN SWARTZ**  
**ECE 0T8**

**FINANCE MANAGER**  
**KETTY HUA**  
**MECH 0T8**

# *CLUBS AND TEAMS*



Location: U of T Campus

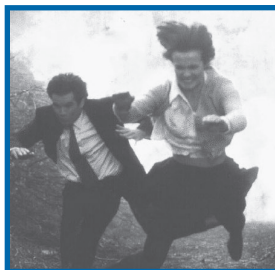
Operation: Aftermath (but before bed)

After you've gotten over the sheer brilliance of the pun (made by Bond, himself), we shall begin. We can only teach you so much, 1T0. There are some lessons that you must learn from specialists affiliated with the agency. We cannot teach you how to make concrete float, play hockey without skates and with brooms, or wail on a trumpet in a band, but there are people who can, and they are out there. Read the following section, and if the club you're looking for is not in there, check out [www.skule.ca](http://www.skule.ca). If you still can't find it, you can always start the club yourself!

## discipline clubs

### **Chemical Engineering Club**

Hey F!ROSH welcome to Chem Eng! Chem Club brings you lots of events, so that you can have fun even when it's not F!rosh 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. And don't forget to stop in at our Common Room, WB238. 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! If you thought high-school was cool, you were wrong. Here at U of T, you CIVCLUB will show you the true meaning of the word crazy. We are going to drive you nuts. First things first, show up to events. Starting from our SMOKERS, so that students hovering on the fine line between boredom and insanity have a place to drink, eat, drink, socialize and drink, for cheap, real cheap. Following our Civ dinner dance, where you get to wear a nice and classy attire in a luxurious dining hall, and also get to see your profs grinding, oh yeah! Finally the Great Northern Concrete Toboggan Race (we kid you not! we build a toboggan... out of concrete baby!). So if that is not enough for you, tell us your innovative idea, and we will make all your crazy dreams come true.

### **Electrical and Computer Engineering Clubs**

Welcome, F!rosh, 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://ecclub.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 your link to the rest of the Engineering Faculty and anything NSCI. We are the ones organizing social events (there is more to Skule than the classroom) and academic resources specific to Engineering Science students. This year, be on the look out for Dodgeball, NSCI Dinner Dance, ESEC, Chariot Race, BBQs and Book Smokers. You can find out more about who we are at <http://engsci.skule.ca>.

### **Industrial Engineering Club**

The Indy Club is here to make student life more enjoyable for Industrial Engineering students! We're most well known for organizing the annual MIE Dinner Dance, but we also represent Indy's at MIE department meetings and Engineering Society meetings while planning fun events to bring MIE students together! Often collaborating with the Mech Club, events we have run include book-swaps, Coffee Houses, BBQs, pizza lunches and MIE getaways to Hart House farm. You can get involved with the Indy Club by running for class rep this fall. For more information, check out our website, [www.mie.utoronto.ca/ieclub/](http://www.mie.utoronto.ca/ieclub/), or email us at [ieclub@mie.utoronto.ca](mailto:ieclub@mie.utoronto.ca).

### **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...) barbeques, 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!

### **Mineral Engineering Club**

The Mineral Engineering club is the most intimate and relaxed club you will ever join. Hardly a week goes by without at least a smoker, a movie night, or a poker night. The year is topped off by the best engineering student dinner dance, set in a very upscale restaurant (bring your Sunday best) with a meal to remember. Also, at least a couple of out of town field trips each year are the source of many amazing stories and memories.

### **Materials Science Club**

Being a part of the Materials Science and Engineering Club is a great way to STEEL advice for school work, and to find good jobs. It is VERY IMPORTANT that you talk to upper year MSE students to STEEL the most out of engineering, be successful, and do what you want in life. The club also gives you many chances to join events throughout the year where you can STEEL away from homework, have cheap or FREE FOOD and have fun. GO TO <http://mseclub.skule.ca> to find out about STEEL events, and all that the MSE club has to offer. STEEL.



## E.A.A.

*HURRY UP AND LOSE  
WE'VE GOT WORK TO DO*



If sports is your thing (or even if it isn't!) you've landed in the right place. Welcome to the Engineering Athletics Association, the largest Skule™ club, and the only one devoted to ensuring that Skule™ DOMINATES THE UNIVERSE (well, the sports part of it anyways). Our job is an important one: we give you a chance to take out your rage at Skule™ in a highly appropriate physical manner. Calculus got you down? No problem! Go tackle someone on the rugby pitch, you'll feel better.

The best part about Skule™ athletics is that we have teams for all sorts of sports, and every skill level! Played AAA Midget hockey? Jump right on with Skule™ A. Not entirely sure what a Frisbee looks like? Division II Ultimate Frisbee it is. And nobody is too talented (or too untalented) to resist the call of Broomball. Engineers sliding around on the ice, in shoes, chasing a ball and carrying brooms...can you believe it? They used to try to lock me up when I tried to chase people with a broom.

Let's face it, classes get boring. You all know it. So why not come out, play Skule™ sports, and make a few memories you won't spend the next 40 years trying to forget? Sign up for sports on our website, <http://eaa.skule.ca>.

**Skule™ on 3  
1...2...3...SKULE™!**

**EAA PRESIDENT  
MICHAEL RENNICK  
ENGSCI AERO OT7**



URGENT



CONFIDENTIAL

Incoming F!rosh,

*hidden code??*

F!rosh Week presents you with a mission to discover how Engineering studies and Skule™ life must co-exist. In Addition, it is important to know about "them".

*-da chief ministers ass*

While Really cool shit may, and often does, happen, these Events will occur when you least expect. Only With careful attention, can their antics be detected.

For As long as one can remember, they have been There, behind every door and in every shadow. By Capturing the hearts and minds of students with High-profile capers and stunts, they Inject Skule™ Spirit into the masses.

This Non-existent group is out there, and in the name of Godiva, they seek those that will honour her memory.

Signed,

A Friend



fig.1: shitz & giggles



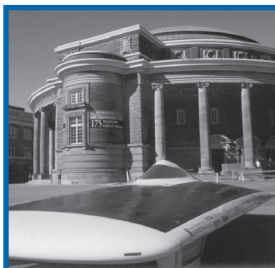
*more information  
www.mariosbakery.ca*

## Blue Sky Solar Racing

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 on-lookers every year; while the spirit of cross-continental racing awakens the heart and imagination of the public at large.

Blue Sky Solar Racing offers a unique learning experience not only through the design, construction, logistical operations, public relations and administration of a world-class solar race team, but also through the use of an intensely multi-disciplinary approach. Engineering, science, humanities, social science, and business students learn from each other how the varying decision making processes affect views on the environment and the role of technology.



## Concrete Canoe

You heard us right. The editors didn't make a mistake. It's not Concrete Paperweight, or Concrete Truss, it's Concrete Canoe. Intrigued? Come join UofT's Concrete Canoe Team where every year, students get together to design, construct and race a canoe made almost entirely out of concrete!

The Canoe team strives for innovation, spirit, and above all, fun. From initial mix testing and hull design, through casting and the final competition, members will gain valuable team skills as well as practical experience. But don't worry, it's not all just about concrete. Members are involved in areas such as mix design, computer modeling, material composition, technical report writing, finances, sponsorship, paddling, and much much more. All of this culminates in a crazy weekend with a dozen other Canadian schools in a national competition, with spirit, fun, and excitement.

The time commitment is as much as you wish to put in, and no experience is required! No matter what discipline, faculty, or species, we welcome you to get your hands dirty with us! And to seal the deal, **FREE LUNCHES**. Come check out previous years' canoes on display on the first floor above the Atrium. For more information, or to join, visit <http://canoe.skule.ca> , or email us at [canoe@skule.ca](mailto:canoe@skule.ca).

## Formula SAE Team

The UoT FSAE team is the top Canadian team. Of the nearly 300 teams that exist worldwide UoT is one of only six teams to have won multiple championships.

Learn to build an intake system, program a launch/traction control system, or tune a race car during testing. Either way, come join the team and have fun building a pure-bred race car. We compete in events such as the Toronto International Auto Show, the Toronto Molson Grand Prix, the Formula SAE Competition, and the Formula Student Competition all provide students with the chance to exhibit their hard work to the public and travel.

Announcements will also be made during Frosh Week as to the time and location of our Recruitment meeting being held during the first two weeks of September. 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 at [kevin.key@utoronto.ca](mailto:kevin.key@utoronto.ca) for more information.



## Skule™ Bands

*SPELLING 'BAND' CORRECTLY SINCE 1959*

### Skule™ Stageband

The Skule™ Stageband is made up of Engineering students who share an affinity for jazz, big band, latin, and fusion music and enjoy entertaining their peers at various events throughout the year. The

band typically plays several major gigs, including Cannonball, Gradball, Jazz at Oscars, EngSci Dinner Dance, Stageband Suds, and more. The band practices once a week during the year; keep an eye out for our Open Rehearsal in September and come out to show off your stuff!

### Chamber Orchestra

New this year, the chamber orchestra allows musically talented students to have fun performing in a high-calibre ensemble. The chamber orchestra consists of strings, flute, oboe, clarinet, and French horn, and rehearses weekly. We will perform a variety of music, possibly even a concerto, in at least two concerts during the year. All instrumentalists are invited to attend our first open rehearsal in September. Watch for announcements, and remember to bring your instrument!

## **robotics clubs**

*IF ( ROBOTS == LOVE ) { GOTO CLUB }*

The University of Toronto and the Faculty of Applied Sciences and Engineering have several robotics teams to choose from. One creates an autonomous submarine. Another looks to advance artificial intelligence by creating a soccer-bot. The other builds many types, including a battlebot.



### **U of T Artificial Intelligence and Robotics**

The University of Toronto Artificial Intelligence and Robotics (UTAIR) club is a student run initiative committed to the long term goal of developing innovative robotic technologies for application in socially significant problems and industries.

In the short term, UTAIR will be competing in RoboCup, an international joint project that uses soccer as a forum for promoting AI and robotics research. Although most competitions are currently between small, wheeled robots, the ultimate, stated goal of the RoboCup project is, by 2050, to develop a team of fully autonomous humanoid robots that can win against the human soccer world champions!

### **U of T Mechatronics Design Association**

UTMDA is a student group comprising students from all faculties. The group competes against schools such as MIT, Cornell and the University of Florida in the Autonomous Underwater Vehicle Competition. We are tasked with creating a self-navigating submarine that incorporates vision and sonar in order to complete a variety of tasks. Last year's competition asked our vehicle to perform various tasks such as following a pipeline, dropping a marker, and finding a sonar beacon in order to surface directly above it.

With our first year of operation successfully completed, we now look to next year's competition. We are always looking for new members with an interest in getting involved (No experience required!). Where can you find us? Just e-mail us at [mech.design@utoronto.ca](mailto:mech.design@utoronto.ca) and we can take it from there! Our official website is <http://mda.sa.utoronto.ca/>

### **U of T Robotics Association**

The University of Toronto Robotics Association (UTRA) is an organization composed of U of T alumni, professors and undergraduate students from the Faculties of Applied Science & Engineering and Arts & Science. The Association was formed in 2002 with the objective to design, build and maintain robots to be used in internationally recognized robotics competitions such as Robot Racing, Motorama, and Robot Riots. If you enjoy building robots, or love being a part of a team, drop us a line!



## Cultural Clubs FOR PEOPLE OF ALL RACES



### CESA

The Chinese Engineering Students' Association has been around for over 30 years and was one of the first cultural clubs in engineering. CESA has over 600 members which include those from other faculties and ethnic backgrounds. It works to promote awareness of Chinese culture among the faculty and university through encouraging friendship and cooperation among students, staff and alumni. Every year CESA hosts several social, cultural and athletic events that are open to everyone while offering its members a discounted price. In addition, it offers services such as used book and past papers sales as well as maintaining the support from over 300 businesses to offer discounts for its members. More information can be found at [www.cesaonline.com](http://www.cesaonline.com).

### Engineering Prayer Group

We are a community of engineering students committed to encouraging growth in Christ and sharing each other's joys and burdens through prayer and the Word of God.

We are a non-denominational Christian group. The purpose is to take some time out of our day to refocus on God and encourage each other. We meet at lunchtime twice a week in the International Student Center (a.k.a. Cumberland House) for a time of worship, Scripture reading, sharing, and prayer.

E-mail us at [engineeringprayergroup@yahoo.com](mailto:engineeringprayergroup@yahoo.com) or visit our website at <http://epg.sa.utoronto.ca/> for more information.

### KESA

Are you Korean engineer? What things do you want to achieve during your university life? Wide connections, deep friendships, fun and unforgettable memories, or valuable tips and advises for your future? Why don't you join Korean Engineering Students' Association (KESA) and get all of them at the same time? We're all waiting for you!

### LGBTOUT

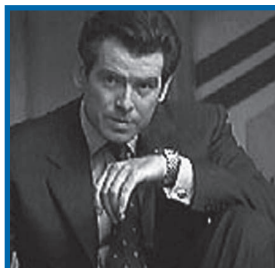
"Lesbians, Gays, Bisexuals, and Trans-people Of the University of Toronto" (LGBTOUT) Engineering Chapter is a group supported by Engsoc and LGBTOUT (the campus-wide queer students group), where students of all levels of openness can come and find help, support, and places to meet other queer engineers. We provide a great social outlet where you can meet other students in a fun safe atmosphere. Our most notable events include our fabulous Wine and Cheese, and an awesome pub crawl during Godiva Week. We hope to see many F!rosh out this year!



## Professional Clubs

### **C.F.E.S.**

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>.



### **Engineers Without Borders**

Engineers Without Borders promotes human development through access to technology. We send two students overseas to work on technically oriented projects in developing countries on such issues as water sanitation, rural energy, and agriculture. At home, we present dozens of workshops to high-school students and hold exciting events to inform citizens and encourage Canada to be the most pro-development country in the world. If you want to learn about the human side of engineering, join us by visiting [utoronto.ewb.ca](http://utoronto.ewb.ca)!

### **Skule™ Community Outreach Committee**

Are you interested in shaving heads, throwing pies, planting trees, dating, building things out of cans, climbing tall buildings, and/or saving the world? If so, the Skule Community Outreach Committee undoubtedly the student organization for you. S.C.O.R.E. is committed to (you guessed it) reaching out to the community - mostly by organizing charity events, but also sometimes by walking around with our arms outstretched. Last year the committee organized or participated in such events as Cuts for Cancer, Pi Throw, Charity Date Auction, CANstruction, and CN Tower Stair Climb, as well as the F!rosh week charity event and many more. Overall, S.C.O.R.E. is a great way to do good stuff and have fun doing it. We encourage all F!rosh (and everyone else) to come out to a meeting or an event and help us reach as far as possible.

### **Women in Science and Engineering**

Women in Science and Engineering (WISE) is a national co-ed student organization designed to create an academic and social network for female students studying in the field of science or engineering. WISE hosts a variety of events including the "Professional and Graduate School Seminar", "Life After Graduation", "Women of Influence", "WISE Fit", "Soft Skills Training Seminar", and the WISE Buddy Mentorship Program. WISE also recognizes exceptional female professors in science and engineering through the "Breaking the Glass Ceiling Award". Check out our website <http://wise.sa.utoronto.ca> for details and join this fabulous team to make your experience at U of T richer!

### Associations and services

#### Engineering Alumni Association

On behalf of the Engineering Alumni Association, I 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 32,000 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 Engineering Alumni Association financially supports many of your activities; I hope you will take advantage of them.

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, Formulas SAE Car, Mining Games, Robotics, Engineers without Borders to name just a few.

The Engineering Alumni Association has an office in room 116 of the Galbraith building. If you have any questions or problems that no one else can help you with, drop by, the door is always open and we'll try to help you out.

I hope you have a marvelous time here at Skule. It's important that you maintain those great marks that got you admitted to the best Engineering Faculty in Canada, but don't miss out on all the wonderful opportunities for fun and relaxation. These make up a large portion of the great memories you'll take with you when you graduate.

Good Luck!

**DIRECTOR OF ALUMNI RELATIONS**  
**MÁRTA ECSEDI, P.ENG.**  
**CIV 7T6**

#### 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.studentservices.utoronto.ca/fyi](http://www.studentservices.utoronto.ca/fyi).



## **other clubs** *MISCELLANEOUS, BUT AWESOME*



### **First Year Committee**

This is a committee just for F!rosh. It's a group where spirited engineers such as yourself come to plan fun things like the F!rosh prank and the construction of a F!rosh chariot for Godiva Week's chariot race, and Skule™ gives you \$500 to do it! It's also a good way to meet new F!rosh, and one lucky candidate can even represent the Engineering Society as the First Year Representative and get a nifty new hardhat.

### **Iron Dragons**

The Iron Dragons are Skule's official Dragon Boat Crew! Our season starts with tryouts in April and we practice and race throughout the summer. If you want to learn an exciting new sport, make friends, enjoy the sun and get in the best shape of your life, contact us and we'll tell you how to make the team! Check out our trophy case above the Atrium, near the canoes. Email us at [dragonboat@skule.ca](mailto:dragonboat@skule.ca) or visit our website at [dragonboat.skule.ca](http://dragonboat.skule.ca) for more information.

### **U of T Engineering Kompetition**

The University of Toronto Engineering Kompetition, UTEK, is a place for you to show off your engineering skills and bring victory to Skule™! The Kompetition is in January and includes six different categories, with events for all students, including F!rosh Design. Kompetitors win ca\$h and get the opportunity to compete at the Ontario Engineering Competition. Keep a look out all September long for more information about UTEK '07 or visit [utek.skule.ca](http://utek.skule.ca).

### **U of T Nano Club**

The U of T Nano Club promotes nanotechnology at the University of Toronto. Our members are drawn from a wide spectrum of disciplines at U of T, reflecting the interdisciplinary nature of nanoscience. In addition to fostering links with industry, we organize academic and social events throughout the year. Please visit our website, [www.nanoclub.ca](http://www.nanoclub.ca), for more information.

### **U of T Space Design Contest**

The University of Toronto Space Design Contest (UTSDC) is an annual contest for high school students. Teams of high school students roleplay engineering firms bidding on contracts for anything from orbital space settlements to lunar spaceports. Besides the competition, students from all disciplines enjoy the speakers, workshops and activities that UTSDC provides yearlong. The 21st century entices us with private space flight, human missions to Mars and hopes of finally living in the depths of space. It is a vision that drives many of us here at UTSDC. A vision that we hope to pass onto you. Ad Astra.

# *LIFE OUTSIDE*



Location: Toronto, Ontario, Canada  
Operation Smog and Thunder

Your next mission is to explore the area around you. This is important in the case that you need to find an escape route really quickly. Will you know that the Air Canada Centre is a great place to lose someone in a crowd? Can we expect you to be able to survive life on your own, or if not that, the use of public transit? We had better be able to. We need a healthy agent, not simply an intelligent jack-of-all-trades. After this section, you'll be able to keep your mind and body in peak condition, and thus, useful to your country.

## **residence life** *FLYING THE COOP*



Attention all agents! If you are moving into residence, this is quite possibly the first time that you have lived away from home. You may say "Freedom! Glorious freedom!" but this may very well change into a fight for survival (academic or otherwise) if you're not careful. These next two pages will give you the basics of what you should know for life in Rez.

### **Respect**

You may have gotten away from your parents, but there are some rules that should just be common sense. The residences have equipment and services for you to use, but abuse of these privileges is a big no-no. Just because it isn't yours, doesn't mean you can do whatever you see fit. Also, you'll be meeting all sorts of people. Remember that they have feelings and beliefs too and only wish to be treated equally. They may not appreciate someone barging into their room, or playing music loudly. Do unto others as you would have them do unto you.

### **Cleaning**

You'll probably notice within a couple of weeks that your room will have become infested with dust bunnies, dirty dishes/laundry and randomly scattered papers. They'll stay there too if you don't clean them up. In fact, they may actually begin to take over the room if you're not careful. To keep them at bay, take out the most powerful weapon in your spy kit and blast them away: a broom!

### **Laundry**

Your parents won't be there to clean your laundry for you. Make sure you've got detergent and plenty of loonies when you just happen to run out of clothes in your closet/clean enough clothes on your floor.

### **Socialize**

Being a hermit is never a good thing. Have you ever met a nice hermit? Me neither, which is a good reason to socialize. Studying is not the end-all and be-all of university. So when you're in your room, leave your door open. In the first couple weeks, try and knock on as many of your neighbours' doors as possible and get to know them. You'll be spending the next 8 months with them. Networking is key to making life a lot more fun. And, yes, it is okay to not work on a Friday night!

### **Cooking & Eating**

If worst comes to worst and you find that you just can't eat cafeteria food anymore, the common room stove may become your best friend. Once you get started, cooking isn't hard. Just make sure that you cook healthy stuff, make good food choices. You'd be surprised how much less fresh produce costs than junk food.

## Residence checklist

Any good agent knows that it's best to be prepared when going off into the unknown. If you're out in the field without your laser-guided, GPS tracking, high-tech, state-of-the-art binder clip, you may fail your mission. But luckily for you, you have reconnaissance on your side to do that kind of research for you. Here's a list of essentials that you should bring with you to residence.



### **Bedding and Pillow**

Residence is not like a hotel. There is no nice neat bed with linens waiting there for you. You should bring twin sized set, but 89 Chestnut residents should get a queen sized set. Pillows should be used liberally.

### **Computer**

This is always an essential piece of equipment for any agent. You don't have to buy a new laptop. A desktop computer will do you just as well.

### **Food**

As much as your residence meal plan is going to fill you up and make you less hungry, you'll find that you'll crave for something a little different. Your caf won't be open in the wee hours of the morning, and you won't feel like going out to get food, so having a little cache of goodies is your best bet.

Winter clothing is also recommended, especially for those who are not aware of just how ridiculously cold Canada get in the winter months (September-May, also known as the school year). Small trinkets from home to keep you sane, such as books, Rubik's Cubes and stress balls, are suggested. But do NOT under any circumstances bring a video game console. This brings with it the risk of having it broken, stolen or abused by your friends who come over to play it.

### **Duct Tape**

Yes, the handyman's secret weapon is also the secret agent's secret weapon. What's classier than the silver sheen of duct tape on the door handle that no longer keeps itself on the door?

### **Personal Hygiene Products**

No one likes a smelly agent. Bring your bathroom amenities with you. Soap, shampoo, towel, toothbrush, if you've got it at home and use it, bring it!

### **Earplugs or Earphones**

To block out the noise of the artsies next door (they don't have work).

### **Laser-guided, GPS Tracking, High-tech, State-of-the-Art Binder Clip**

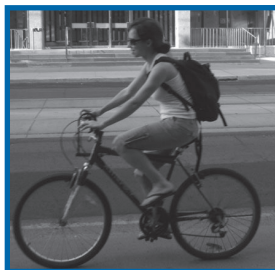
Self explanatory





## Commuting

***BICYCLE! I WANT TO RIDE MY BICYCLE!***



Even a secret agent has to come into the office sometimes, so you're going to have to somehow make your way to the university if you're not in residence. Hence, we have commuting. The long trips may be boring, but they save a lot of money that would otherwise be spent on residence nearby, not to mention the fact that Mom and Dad will still be there to clean up after you. So what are you going to do if you are going to commute? Well, lucky for you, 1T0, we have already experienced it, so we can give you some tips on commuting in general.

SAC has a long standing deal with TTC, through which they are able to offer discounted metropasses to students. Through meticulous calculations, the author has determined that if you use the TTC twice every school day, you may just be able to break even. The greatest benefit of the metropass, of course, is its convenience; now that they are transferrable, maybe it is a good idea to buy one even if you don't use it every day, for someone in your household may be able to take advantage of it. To purchase a metropass, you need to show up during the final 3 business days of the previous month (or the first two business days of the month) with \$87 in cash or a debit card, along with your TCard. Note that the SAC office near Hart House accepts only debit card, while

the Chestnut Residence location is cash only. They do sell out fast during the school year, so try to be early.

Doing your homework during the commute is a great way to pass the time. Not only will you get some work done for later, but it helps to pass the boring hour (or more) that is your daily commute in a single direction. Some people can't read books in transit. For these people, if a seat is available, take it (pending nearby disabled and elderly, of course) and take a nap. Just make sure you can wake up when you arrive at the destination.



If your dwelling is close enough to the campus to not require public transportation, but is nevertheless not within walking distance, consider biking or rollerblading (provided, of course, that you can). Environmental aspects aside, they save tons of money (two metropasses can buy you a pair of top-of-the-line skates), and you won't have to wait for a bus every morning.

## staying healthy *WHAT THE HEALTH?*



So you're in university. Actually let's rephrase that. So you're in engineering. Surviving the academic overload is just that wee bit tougher. Having a social life has become synonymous with the ever-so-alluring prospect of calling an Aston Martin DB9 your own. Not going to happen. Well, not any time soon anyway. If things aren't bad enough, you now have to endure the audacity of being lectured to on some unholy, time-not-well-wasted discourse that concerns - believe it or not - your health. Life can't possibly get any worse. Now that we've cleared things up, let's get started. Three simple criteria will determine your success as an agent in the field - your eating, sleeping and exercising habits. Any undercover capabilities you may (not) possess will come into play only if you consider yourself the next Dr. No It-All (yes, we all know it was a bad pun, but top agent James Bond is full of them). In case of which a proficiency in dodging menacing scowls will be an invaluable asset.

For those who-dunno-it...all... Eat! Healthily, and regularly at that. Not more than twelve times a day...or less than one. Three would do just fine. It would perhaps be appropriate to clarify that a bag of potato chips does not qualify as food. Junk "food" is, through some strange coincidence no doubt, exactly what it sounds like. Junk. And consuming garbage isn't conducive to one's existence. Or so one might generally think.

The biggest life-altering experience you are most likely to come across, will be a new-found kinship with the zombies. There will be times you labour through entire days, nay weeks, in an eerily morbid state. Sleep will be nought but a word in someone else's vocabulary. Days will mingle into one continuous stream of a barely conscious existence. Shaken? Should be. That's definitely a state of events you can do without. There is an easier way to handle the situation though. All you need is a perseverance to gather intelligence- regularly. From day one. Do your homework! Attend tutorials. And if luck is on your side, you might just be able to do avoid those unavoidable all-nighters that spring on certain unpredictable bouts of insanity...

Exercising, contrary to popular belief, doesn't require that much effort either. Ever heard of staircases? Try using them every once in a while. You might even astonish yourself with your escalating skills. Besides, there are a myriad number of clubs catering to almost every unimaginable sport and outdoor activity...not including the Athletic Center and Hart House of course, both of which have excellent facilities. There will always be something you enjoy. So when you have a one or two hour break between classes and are at a loss for better, more amusing ways to spend your time, try something new. Squash, tennis, dance classes, swimming, fencing, the gym, a jog even...once or twice during the week, and the weekends would more than suffice.

And yeah, that's all it takes!

## **alcohol**

### **AND HOW IT WILL AFFECT YOUR YEAR**

When you talk about alcohol in engineering, normally it's in a fun and social context. We sing songs and write hymns about drinking beer and rum and gasoline.<sup>1</sup> We own and operate our own pub and get everyone to come out to it and relax. The problem is when we start to forget that alcohol is not the only way to have fun, and it can actually be pretty dangerous to you and your friends if you're not careful with it.



In Ontario the legal age to consume alcohol is 19. Most of you are under that age and therefore are not allowed to drink, or else you can get into a lot of legal issues. Let's face the facts, though. You're in university, meaning many of you this year will be offered an alcoholic drink. You will be faced with the decision of drinking or not, and as tough as the law is, feeling pressured to do something is just as powerful. The good news is that there is no pressure to drink at all. Although it may not feel like it all the time, many of your peers choose not to drink. The thing is, there's not much that's special about alcohol. You might become more talkative and stumble a little more, but the real fun comes when you start vomiting, passing out in random places, and making out with your cousin who you can't recognize anymore.<sup>2</sup>

For those who decide to drink, there are, of course, the basics. Drink too much and you'll feel awful in the morning. Drink more than too much and you might just win yourself a night in the hospital. Drink and drive and you will end up in jail or in an accident. While you will soon learn that "We can, we can, we can, we can demolish forty beers," it doesn't mean that we should. There are some other things that you will need to worry about, such as your friends. No one, even your friends, are themselves when they are drunk. They might hurt you mentally, physically, and sometimes sexually. Go to a party with a friend who you know and trust; someone who will get you through the night if you mess up and have too much to drink. This is especially important for girls. Take care of yourself before the party, and make sure that you will have someone to take care of you if you can no longer take care of yourself.

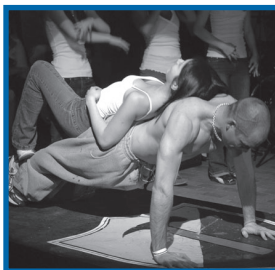
- 1 This handbook and everyone associated with it do not in any way encourage the consumption of gasoline
- 2 We also do not in any way encourage making out with cousins

**Don't worry Q...  
I'll bring her back in  
one piece.**



## athletics facilities

Welcome to the 00 Agent Training Documentation. To ensure that our Agents are of top caliber world-wide, it is important to supply convenient and suitable training facilities to keep them in shape. A soft agent will get his knickers shot off before you can blink. In addition to basic forms of exercise – such as simple jogging in the streets and playing sports in the various wide open fields around campus – there are two primary indoor work-out centers on campus:



### **Hart House:**

The older of the two facilities, the Hart House, serves as a well-rounded student life centre, supplying practically every need to you young whippersnappers. It's maze-like narrow stone corridors remind you of dank dungeons I'm sure you've encountered before. The upper-level gym provides a cardio workout, having endurance machines (bikes, ellipticals and the like) as well as a circular track, whereas the second gym is primarily for body-building and strengthening. There are also squash and racquetball courts, a 25-metre swimming pool, and – for the overly ambitious – a fully equipped shooting range for both rifling and archery. Practice when you can; You're going to need it if you want to work for this agency. As well as the athletics facilities, Hart House café offers quick grub to keep your strength up during those rigorous training exercises, and the built-in theater hosts marvelous extravaganzas (the most noteworthy being the smashing Skule Nite).



### **Athletics Centre:**

As the 00 Agent Training program expanded to include more and more eager students, a second, more modern facility was constructed. The Athletic Centre (often referred to as the AC), provides all the modern field training. There are aquatic drills, using either an Olympic-sized pool or the two smaller 25-metre pools; Hand-to-hand combat – various martial art and fencing lessons are offered; and cardio and weight training – like the Hart House, there are large sets of endurance and weight training machines at your disposal, as well as a 400-metre indoor track and many courts for team sports. Now, if any of the training exercises goes awry, never fear – an on-site state-of-the-art medical facility (also known as the McIntosh Sports Clinic) will tend to whatever scrapes, bruises and possible lacerated jugulars which happen to occur.



The facilities are at your disposal, soldier. It is up to you to take advantage of them.

## external stuff HAVE FUN TRAVELLING CANADA



**The CFES** is a national student organization representing over 55 000 Canadian undergraduate engineering students. They are your voice to the Canadian Council of Professional Engineers in Ottawa, and partnered with other engineering student groups in Europe, New Zealand and the US. Check it out [www.cfes.ca](http://www.cfes.ca) or email [info@cfes.ca](mailto:info@cfes.ca). The following are events hosted by the CFES:

### Canadian Engineering Competition

The premier engineering competition in Canada takes place in Saskatoon, SK. In 2006 Canada's top students competed at Polytechnique in Montreal in team design, debate, consulting, and other categories for a \$3000 grand prize. Visit [cec.cfes.ca](http://cec.cfes.ca).



### Complementary Education

Imagine spending one week in another city, with people from across Canada, learning about cutting-edge engineering, all for \$60? Last year participants were in Automotive Engineering at Waterloo, Robotics at Simon Fraser, Aerospace in Montreal, Electro- Chem in Vancouver or Biodesign at U of Toronto. Check out our upcoming courses at [ce.cfes.ca](http://ce.cfes.ca)!



### Congress

One of the biggest student-run conferences in the country happens in January at Concordia in Montreal. Learn, interact, network and party with 300 engineers from coast to coast. Visit [congress.cfes.ca](http://congress.cfes.ca)!

**ESSCO** is a communication link between all fourteen engineering societies, the Professional Engineers of Ontario, The Ontario Society of Professional Engineers, and Council of Ontario Deans of Engineering representing approximately 20,000 undergraduate engineers in matters of common interest. Go to [www.essco.ca](http://www.essco.ca) or email [president@essco.ca](mailto:president@essco.ca). Their initiatives include:

### First Year Integration Conference (FYIC)

This conference offers a chance for first year students to get involved and meet other first year students from other universities across Ontario.

### Ontario Engineering Competition

This Competition tests the skills of engineering students in a variety of areas of competition such as Engineering communications, parliamentary debate, corporate design, entrepreneurial design, first year team design, and senior team design. Winners of this competition go on to compete at the Canadian Engineering Competition.

## **Libraries**

***FOR WHEN IT ISN'T ON THE INTERNET***

Libraries are found all over campus – for example, many colleges have their own library - but, lucky for you, recon has narrowed it down to three key locations. They're great for studying in when your computer proves to be too much of a distraction, when you need a place to work between classes, or when those retartscies across the hall are planning their next attack.



### **Robarts**

This library may be the furthest away from the engineering buildings, but as the only fourteen-storey peacock shaped building on campus, it's far from being hard to find. You'll need to visit this building at least once in the beginning of the year in order to get your TCard. While you're there, take some time to look around; you'll find many great places to study. It has one of the latest closing times, making it great for late night on-campus cramming. Robarts also has wireless access, but you can still access the Internet without having a laptop by using one of the many computers on the ground floor. For long periods of use, use your Tcard to book a computer in advance.

### **Engineering & Computer Science Library**



Found on the second floor of Sandford Fleming, this library's easily accessible location makes it great for doing work in between classes. There are desks for individual studying as well as tables for working in groups. Since a reasonable level of talking is usually permitted, it's great to hold group meetings here too. One minor drawback with this library is its relatively small size. Available study spaces can sometimes be hard to find.

### **Gerstein Science Information Centre**

Aesthetically speaking, Gerstein is the nicest library to study in with its wooden desks, individual lamps and large glass windows. There are also a large number of computers available for use on the main floor, single computers scattered throughout the many floors of the library, along with wireless access for those using laptops. Be careful about your noise level in here however, as talking isn't well tolerated. For the occasional study break, the Understudy Café near the entrance of the library is quite convenient. The vending machines there are slightly expensive, but the café also provides a free microwave for heating up a packed meal or snack.





## engineering buildings

### **Sandford Fleming Building (SF)**

Welcome to Skule™ headquarters. It is the most important engineering building is the Sandford Fleming building, and not just because the Engineering Society's Office is in the basement. After a long morning of classes, you will probably want to go down to the atrium to sit down to eat lunch with your friends. You can go to "The Beast" (the vending machine infamous for swallowing F!rosh) or go buy some cafeteria food. Of course, if you're thirsty, you can always buy cheap Brad pops. The Engineering Stores (located beside the atrium) is available for you to buy your office supplies and most of your first year textbooks. Since you are already there, you might as well go into the math-aid centre/engineering communications centre/engineering career centre that is located right besides engineering stores to get your last minute questions regarding your algebra test answered. The 3 Linux engineering computer labs are located on the first floor of the Sandford Fleming building. In addition, the engineering library, a few lecture theatres and tutorial rooms are also located in this building.



### **Galbraith Building (GB)**

Having a problem with registration or need to collect your OSAP money? If so then you will need to go to the Galbraith Building. This building is attached to the Sandford Fleming building and is where the registrar's office is located, as well as tutorial rooms and lecture theatres. The Sandford Fleming and Galbraith buildings are where the civil and electrical/computer engineering departments are located. This building, opened in 1960, is named after John Galbraith, the first dean of engineering.



### **Bahen Centre for Information Technology (BA)**

Across the street from the Galbraith Building is the Bahen Centre. This relatively new building, only a few years old, is named after John Bahen, a University of Toronto Civ 5T4 engineering graduate. If you hate using the Linux computers in the Sandford Fleming building or have no idea what Linux is, then you will be happy to know that most of the Windows



computer labs are here (the rest are in the Wallberg Building). There are also many lecture theatres and tutorial rooms here, and this is where the engineering science department is located. The Bahen Centre also has its own little coffee shop and vending machines just in case you need a food or caffeine boost before an exam, as well as a quick link to the Koffler Centre, where the U of T Bookstore and the Career Centre are located.

### **Mechanical Engineering Building (MC)**

The Mechanical Engineering Building, located across from Sandford Fleming on King's College road was opened in 1949, built to handle the postwar enrolment boom, it houses the mechanical and industrial engineering department. This building contains three lecture rooms as well as mechanical and industrial engineering offices and labs. The padded seats are a nice touch to the lecture halls, but if you have class in MC102, make sure you arrive quickly if seeing the board is of any importance to you.



### **Haultain Building (HA)**

Part of the Mechanical/Haultain/Rosebrugh/Mining complex, Haultain has no street address (not to be confused with Roseburg, who's address is on a street that no longer exists. Follow so far?). As fun as hiding out in a secret untraceable building sounds, most of your experience with Haultain will probably involve taking a wrong turn in the Mechanical building and finding yourself in a long deserted hallway full of offices. It's also a popular shortcut between Mechanical and Rosebrugh, and aside from the big "now entering/leaving Haultain" door, you may not even realize that Rosebrugh and Haultain are separate buildings at all. There are no lecture halls in this building, though you may have tutorials in here. If you're headed to the fourth floor, don't take the elevator. It is a slow ascent, and that is aside from the fact that everyone going up the stairs will press the buttons for the elevator on every floor. As well, it rattles violently when nearing the fourth floor so be very afraid.



### **Mining Building (MB)**

That's right, their total undergraduate body is smaller than many first year classes you'll take, yet mineral engineers get their own building. Before I describe the building itself, I'd like to inform you of the staircase outside the building resembling an Aztec pyramid's. Take care not to fall down these ab-

normally steep steps. Expect to have quite a few lectures in the plus-sized and remarkably uncomfortable MB128. At just a few steps from the entrance, it's as far as most engineers get in the building. Those who venture a little deeper are rewarded with a trip down the Mineral Engineering Hall of Fame. Yippee! On the plus side, the Mining Building features some of the most pristine classic architecture you'll find in any engineering facility. If you've always wanted to study at some old English art school, but ended up here instead, just run up and down the wood panelled grand central staircase a few times a day until the feeling passes.



## **Wallberg Building (WB)**

While it's referred to by many as the Chemical Engineering Building, don't dismiss it for a moment. With four floors, dozens of labs, and an infinite number of small lecture, tutorial and examination rooms, you are guaranteed to spend time in Wallberg, no matter what discipline you're in. Another guarantee: you will buy hotdogs from the vendor out front, so don't even try to fight it. The building itself is a little on the old side, but with an unparalleled window to classroom ratio, the space is more cheerful than a lot of the major engineering buildings. On a side note, watch out for large lectures in WB116: the floor has hardly any tilt, so if seeing the blackboard means something to you, it's best to arrive early.



## **Engineering Annex (EA)**

It's dark and it exudes evil. It's also a hub of offices for ECE departmental types, so might be good for ELECs and COMPs to have on their radar. One last thing, you're going to have to remember one of the following: the location of the Engineering Annex or the pass-word to your ECF account. If you forget one, you'll have to know the other one, because EA is where you reset your password after you've long since forgotten it. Everyone else can safely self destruct any mention of the Engineering Annex from their memory in 5-4-3-2-1. Poof. Seriously, you'll need that mental space for something else.

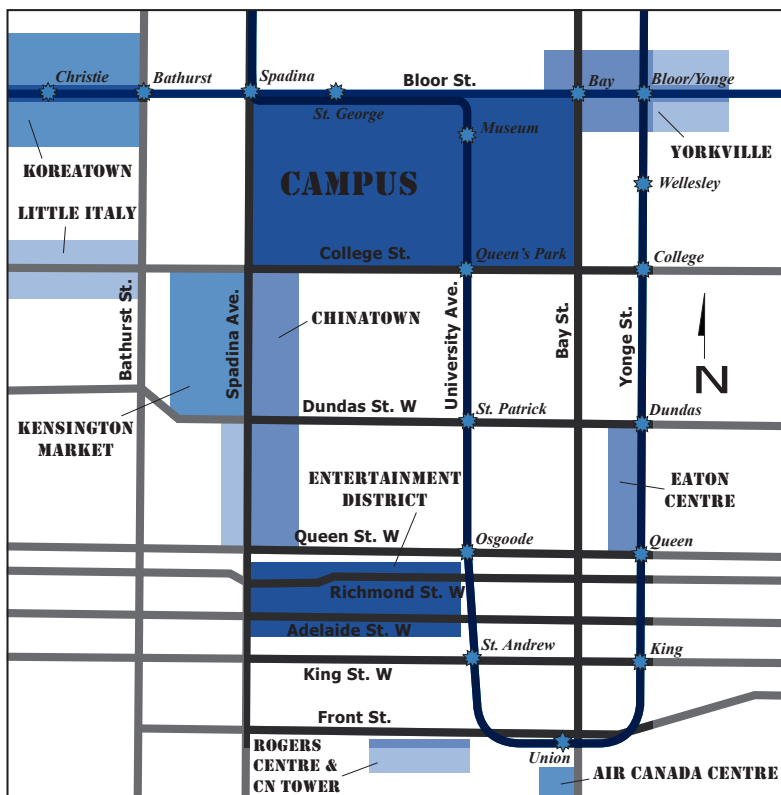


## Downtown Map

ALL THE PLACES YOU SHOULD GO IN T.O.

Downtown is an amazingly diverse place, and there are so many places to go. If you want to be an effective spy, you have to know your base of operations, and that is why we have provided you with this amazing downtown map. It is not to scale, nor is it verified to be entirely accurate (for

example, many streets are missing), but that is because we want to know if you can complete the task of navigating the downtown area by yourself. The following map has a general outline of areas that you can visit for shopping, eating, or entertainment. The pages following the map also outline a lot of places that you can go see while in the city of Toronto. Keep in mind that this is by no means a complete list, there is so much to do in Toronto, and half the fun is discovering new places for yourself, so go exploring. Check out places such as [ticketmaster.ca](http://ticketmaster.ca) for sports events (NOTE: Maple Leafs tickets are near-impossible to get) or [houseofblues.com](http://houseofblues.com) for concert listings. Also, [toronto.com](http://toronto.com) has city-wide events, so it's another great place to look.



## things to do downtown

### CONFIDENTIAL: FOR YOUR EYES ONLY

Agent 1T0, in order to assist your blending in, Skule™ intelligence is providing you with some information about Downtown Toronto.



### Food:

New Ho King, 416 Spadina Ave.

Looking for greasy Chinese food, late at night? Look no further. Featuring a great late night menu that starts at ten, New Ho's is a source of cheap food for hundreds of hungry rez dwellers staying up late for that cram session. Most importantly, they deliver until 4am.

Tim Hortons, 334 Bloor St. W.

The great Canadian coffee shop, and the home of the timbit! Great for late night snacks and emergency coffee. Best of all, it's open 24 hours a day.

Hong Shing Chinese Cuisine, 195 Dundas St. W.

Good Chinese food, open all night, and the prices are decent. A popular hang-out for Chestnut denizens, it's a good place to go for a late night meal.

B.B.Ques, 652 Spadina Ave.

Burgers, fries, onion rings and wings. Can't go wrong here.

Ein-stein (a.k.a. 'Stein's), 229 College St. W.

The place to be when Suds is closed. Best wings this side of Yonge St, and good beer at low prices. What's more, come on the weekend, and they accept Canadian Tire money "at par". Does it get any better? I don't think so.



O'Grady's, College and McCaul

Decent wings and a nice atmosphere. Check out the karaoke nights.

Subway, 656 Spadina Ave. or on College St. south of Walberg Building

Healthy(ish), and the prices aren't bad. The line for the one on College can be freakishly long, though. Have faith, your turn will come.

Papa Ceo's, Cora's Pizza, 654, 656½ Spadina Ave. (respectively)

Two pizza places on the west side of campus. They're open till 3am, and are loaded with good, cheap pizza. Many-a-student can attest to never seeing these places in the light of day.

Duke of York

Oh the grand old Duke of York, he marched 10,000 men, he marched them up to some cheesy fries and he marched them down again. Good pub, good food, (new) age restriction.

Future Bakery, 483 Bloor St. W.

Amazing desserts... cakes piled high to the sky. Also, try the hot chocolate.

Korean Grill House, 214 Queen St. W.

If you ever find yourself on Queen St. with massive craving for meat, stop off here. Has a unique philosophy: we don't wanna cook your food, you do it. All you can eat meat, and a grill, and you do the rest.

Greg's Ice Cream, 200 Bloor St. W.

Reputedly the best iced-cream money can buy. Offers such flavours as Roasted Marshmallow, Coffee Toffee, and Strawberry (with real strawberries!).



Mel's Montreal Delicatessen, 440 Bloor St. W.

This west-of-Spadina diner features an all-day breakfast for less than 6 bucks. Open 24 hours. Has amazing poutine, smoked meat, and a liquor license.

Sushi on Bloor, 515 Bloor St. W.

Amazingly good sushi at a fair price. The lines get long, so come early.

**EDITOR'S CHOICE:** Spring Rolls, 693 Yonge St. or 40 Dundas W.

You cannot even argue with the quality of this place. High class restaurant and excellent food for low prices. There is a location near 89 Chestnut. Make sure you go out of your way to this restaurant.

### **Shopping:**

Eaton's Centre

Toronto's downtown shopping mall. It's got everything: shoes, shirts, soups, sandwiches, saran wrap, sandalwood, shark fin oil, and sapphires. Oh, and the Gap.

Queen Street West

The trendiest trend shops that ever did trend. Lots of culture and fun.

Dominion, one block west of Bloor and Spadina

24 hour grocery shopping, carries all sorts of goodies and snacks.

Yorkville

A very upclass area to go shopping. Bring lots of money.

### **Entertainment:**

The Rex, Queen St. W, close to University

One of the best jazz club in town, a must-visit. Decent food, too.



Dance Clubs: System Soundbar, Guverment, Koolhaus, Tonic

On Richmond St. and on Adelaide St. between Spadina and University

Here's a tip: don't pay for liquids at a club, unless you dig four-dollar sodas.



Hummingbird Centre, Soulpepper Theatre

Into plays? Musicals? Tragedies and comedies? The T-dot has it all. There are some pretty good deals for student tickets, especially if you buy them last minute.

Nathan Phillips Square

Ah, the city hall, complete with its very own skating rink. Good for many-a-late-night winter skating session, so bring those skates if you got 'em. Right next to Chestnut residence.



Paramount Theatre

Ever feel like you're not paying enough for movies, popcorn, and pop? The paramount is truly the spectacular movie experience, right down to the spectacular movie prices.

Bloor Cinema, 506 Bloor St. W.

A vintage movie theatre that's become part of Toronto's cultural history, the Bloor Cinema dazzles its audiences with movies old and new. Be sure to check out Rocky Horror if you're in the mood for a confusing night. It's a \$5 admission with an annual \$3 membership fee, so you're already saving money with your first movie.

Harbourfront

A nice place to go on a sunny day. Beaches, boardwalk and hotdogs.

CN Tower

Overlooking our fair city, it's the world's tallest freestanding structure... um... completed on land... In any case, it's really frickin' tall and it has a fun glass floor and revolving restaurant at the top. It'll cost you to get there, but if you've never done it, it's worth a visit.



Rogers Centre (formerly, Skydome)

Underlooking most of the surrounding buildings is Toronto's baseball stadium. Home of the Blue Jays, and the Toonie Tuesday (a.k.a. cheap ball games).

Air Canada Centre

Whoohoo, sports! Yes, the ACC's got it all. Want action? Want excitement? Want... well, basketball and hockey? This is the place to be. Home to three Toronto teams: the Rock, Raptors, and Maple Leafs.

Royal Ontario Museum

Despite the scary crystalline growth it's developing, the ROM is the happening in the way of museum-y things. Great ancient Egypt exhibit, and, yes, dinosaurs. Free after 4:30 on Fridays, and for the last hour on any day.

Art Gallery of Ontario

5 bucks with student ID, and free Wednesdays from 6-9.



# *ADDITIONAL INTELLIGENCE*



Location: Skule™ Archives  
Operation Missile Aynious

There is only one more section of this book to go, 1T0. Congratulations on making it this far, and especially if you were clever enough to pick up on the operation title. In here you will find things that you will definitely need for the coming year in order to keep you sane, happy, and in the circles with important people - a good thing for any spy. From the words of Godiva's Hymn to effective methods of staying sane during the most boring lectures, this section will teach you the final aspects of spying. This is M signing off. Good luck, 1T0.

## godiva's hymn



Alright recruits, you've no doubt heard about the secret signals that must be given during missions. The hymn you are about to learn is the most multi-functional song you will ever know. It can be used to call for help, confuse enemies, or celebrate successful missions. Memorize as much as you can.

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

### (CHORUS)

**We are, we are, we are, we are the Engineers,  
We can, we can, we can, 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 Skule™,  
Their cinematic expose turned out to be a jewel.  
Soon after Innis was found bare and the campus rang with fear,  
The Faculty of Film had been replaced with Engineers!

## ***ADDITIONAL INTELLIGENCE***

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

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

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."

## ***ADDITIONAL INTELLIGENCE***

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-OF-A, HELL-OF-A, HELL-OF-A, HELL-OF-A HELL-OF-AN-ENGINEER!



## cheers & songs

### REELY GOOD FOR LEKTURE KRASHING

#### Skule™ Yell

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

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

Yay Skule™!

#### 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 2nd 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 whatever else  
rhymes)

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. When-  
ever 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 ree!  
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

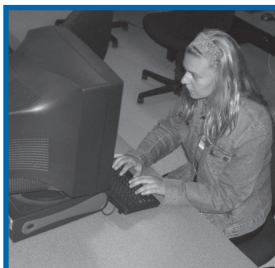
This cheer ... no verb!  
(repeat as necessary)

## Two Word Cheer

AWWWWWwwwwwww ... Shit!

## ecf guide

TRUST US, YOU'LL REALLY NEED IT



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 ECFPC 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 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.

**MToolsFM (Ecf > MToolsFM):** 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.  
pq - 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

Click Start > Connect To > Wireless Network Connection  
Click Advanced; click Add under Wireless Networks  
Network name (SSID): UTORwin  
Enable checkbox for Data Encryption (WEP enabled)  
Remove checkmark for The key is provided for me automatically  
Network key: UToronto1home  
Key index (advanced): 0  
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

Open your Internet browser by going to Start > Internet  
If the "Welcome to UTORcwn" page opens,, go to step 4.  
Go to [www.wireless.utoronto.ca](http://www.wireless.utoronto.ca) and click on Wireless Setup.  
Click Here on the UTORcwn page.  
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 .  
Click the Go and Register your address button.  
Enter your UTORdial/library number and your UTORdial password and click Login  
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!



## **FUN WITH KEENERS** ***EVEN KEENERS HAVE THEIR USES***



In every class there are some agents that will make a boring lecture even more unbearable by extending it with pointless questions and attacks at the professor in an effort to get attention or prove his or her superiority. These people are lovingly called keeners, and they are given our love and affection through the games that we play about them at their expense. For every negative situation there is always a way to make it a positive, which is why we use keeners as the central focus in games that will help you stay up in class? But I've been talking for too long, reading the games will help you to understand what I'm talking about.

### **Game #1: Keener Kount**

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 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**

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 many times on the same card, but the name can only appear once in any row of five names.

You see? Even keeners have their uses. Now go and play, 1T0!

## Frosh glossary THE F!LOSSARY



**APSC** - Faculty of Applied Science and Engineering

**Artsy** - Anyone who is not an engineer, nurses excluded. Therefore an artsy can be your mother your brother or your dog, or even you if you don't start studying

**ASME** - American Society of Mechanical Engineers

**Attiliator, Chief** - All-seeing guardian of the Mighty Skule™ Cannon

**Bat Fone** - The free red phone located near EngSoc. Dial 9 to get out of Skule™

**Beast, The** - Vending machine near EngSoc, serves heaps of cool, but dwindling health is worsened when idiots kick it

**BEVERages** - Preferred drink of the engineer. Brown, fizzy, magical and available at Suds

**BFC** - A mythical organization that does not exist, never did exist and never will exist

**Bnad** - Metric spelling of "Band"; See LGMB

**Cannon, The** - The Official engineering newspaper

**Cannon, Ye Olde Mighty Skule™** - Your engineering mascot. Honour it! Respect it! Protect it!

**CESA** - Chinese Engineering Society Association

**CFES** - Canadian Federation of Engineering Students

**CHEM** - Chemical Engineering

**CIV** - Civil Engineering

**COMP** - Computer Engineering

**CUBE** - Club for Undergraduate Biomedical Engineers

**Cup House, The** - The house above the Second Cup on College, home to several spirited engineers.

**Cyclical Nature** - See Endless Loop

**EAA** - Engineering Athletics Association

**ECE** - Electrical and Computer Engineering

**ECF** - Engineering Computer Facility.

**ECFPC** - ECF Labs with Windows PCs

**Endless Loop** - See Eternal

**ENGSCI (N<sup>W</sup>)** - Engineering Science

**EngSoc** - Engineering Society

**ERTW** - Engineers Rule the World (They really do)

**ESSCO** - Engineering Student Societies of Ontario

**Eternal** - See Infinity

**F!rosh** - A first year engineering student

**Godiva** - Patron Goddess of Engineering

**Godiva Week** - Second week in January, full of fun events, F!rosh Week all over again except better!

**IEEE** - Institute for Eletrical and Eletronic Engineers

**INDY** - Industrial Engineering

**Infinity**

- See Perpetual

**Keener**

- Sits in

front row

of lecture

and asks

questions lasting 20 minutes, 19 minutes before class ends

**KESA** - Korean Engineering Students Association

**LGTBOUT** - Lesbians, Gays, Bisexuals, Transsexuals and Transgendered of UofT

**LGMB** - Lady Godiva Memorial Bnad; Will play for food and BEVERages

**LME** - Lassonde Mineral Engineering

**Mass Mail** - E-mail addressed to everyone at Skule™

**MECH** - Mechanical engineering

**Mice** - Campus Police

**MIN** - See LME

**MSE** - Materials engineering

**NSBE** - National Society of Black Engineers

**Nurses** - Members of the only other professional faculty we like

**OEC** - Ontario Engineering Competition

**Perpetual** - See Unlimited

**PEY** - Professional Experience Year (Like co-op)

**Prof. Dev.** - Professional Development

**SAC (SUX)** - Student Administrative Council (SUX)

**SIC** - Student Issues Committee

**Skule™** - Faculty of Engineering, EngSoc, and everything related

**Skule™book** - Engineering Yearbook

**Skule™ Nite** - The best comedic musical on campus. Free admission with purchase of F!rosh kits

**SLUT** - Student Leader at the UofT

**Smoker** - Informal get-togethers by departmental clubs; movies and snacks; absolutely no smoking

**Stealing** - Not condoned by anyone. Note: Moving university property from one place to another does not constitute stealing

**Suds** - Source of cheap snacks and BEVERages; SF Atrium Fridays 3pm-8pm; all ages

**TA** - Teaching assistant

**Toike Oike, The** - Skule™'s official humour newspaper

**T-Program** - Transitional program for those with an average below 60

**Unlimited** - See Cyclical Nature

**Varsity** - An official U of T student-run newspaper

**WISE** - Women in Science and Engineering

## skule™ bingo AND THE RULES, AS WELL

If you (as in yourself) are involved with any of the following or know of someone (as in somebody else that isn't you)

that is involved with one of the following, cross off the corresponding box. (i.e. if you are in MECH and you have a friend in MIN, and another involved with EAA, cross them all off)

- If you get a line, consider yourself moderately "cultured" at Skule™.
- Getting four corners means that you are "cultured" in many different ways.
- If you end up with a full card, you are either really well-connected, or have far, far too much time on your hands.

S	K	U	L	ETM
World of Warcraft	Toike Oike	Blue and Gold	CIV	SUDS
CHEM	Bridge (cards)	LGMB	Homestar Runner	MECH
First Year Committee	ECE	FREE	EngSoc Officer	Skule™ Nite
Trogdor	Counterstrike	The Cannon	MSE	INDY
EAA	ENGSCI	MIN	Hello Kitty	Euchre



## assistant editor's blurb rant

So, this is Ariel's little joke is it? Stick me at the end of the Handbook on the bottom of page 94?!? Well, guess what? I've been shunned, but I'm still here! Ariel knows I'm a better secret agent than him. He's just jealous, yeah, that's it! Jealous! Actually, he didn't stick me here. I used my incredible

skills as a secret agent to sneak into this section. You see, F!rosh, you need to be more like me, at Skule™ or anywhere else. Stealthy, alert, studious, involved, and above all, crafty. Ariel will never know what hit him. I'm going to mess things up SOOOOO much. Hehehehehehe...I get a small credit in the beginning and that's it....I'll show you. Is it getting smaller in here or is it just me? Meh, it's probably nothing. The only other advice that I can give is that you always need to show Skule™ Spirit. We're not going to be here forever and we want to pass on our traditions to generation after generation of U of T engineers. So start early and show it often. Hey! Why is the type getting smaller? No! I couldn't have been found out. It's impossible! I'm the best secret agent there ever was! No....You can't! You won't! I was in the middle of my blurb. Oh! You are going to get it, Ariel! I'm not going to take this. This won't be the last you see of me! I'll still be around Skule™. I'll still be in class. You can't destroy me. I'll just keep on writing until I shrink into nothing! I'll yammer on and on. Why are you still reading this? It's 5 points large for Pete's sake. Lots of spare time? That'll change quickly! Look! Blatant advertising! LGMB, EAA, Cannon Guard, Skule™ Nite, non-existent organizations! Welcome to Engineering and Skule™. ITO. Make what you will of it! I'm Eric Bradshaw, MECH 0T9. Good night Toronto!

Editor's Note: Eric was banned from handbook after this incident. In my opinion, he was lucky to even get a spot on page 94. He is actually a very nice person in real life, but if you see him somewhere, run far far away.

**HANDBOOK ASST. EDITOR  
ERIC BRADSHAW  
MECH 0T9**

## contact list

### THE BLUE AND GOLD PAGES

Position	Name	@skule.ca	Position	Name	@skule.ca
President	Mei Ling Chen	president	Student Issues	Beatrice Sze	studentissues
VP Finance	Paul Radcliffe	vpfinance	Suds	Nathan Schnarr / Jessica Tinianov	suds
VP Academic	David Lee	vpacademic	Toike Oike	Christian Chicorli	toike
VP Communications	Saman Vafae	vpcomm	UTEK Director	Tai Isani	utek
VP Student Life	Mike Kranz	vpstudentlife	Webmaster	Paul Kishimoto	webmaster
Archivist	Mike Hawkins	archivist	Blue and Gold	Henry Cheung / John McLeod	blueandgold
Cannon Editor	Asha Hagiwara	cannon	Chief Attiliator	You Wish!!	kaboom
Cannonball Chair	Ali Istchenko	cannonball	EAA President	Mike Rennick	eaa
CRO	Mike Rennick	cro	1st Year Chair	T.B.A.	firstyear
Community Outreach	Kari Zacharias	community	4th Year Chair	Cam Fraser	fourthyear
Comp Sys Admin	Eamon McDermott	sysadmin	LGMB Leedur	Caillin Bailey	lgmb
EngCom	Steve Szeto	engcom	Skule™ Nite	Carolyn Hicks	skulenite
Engineering Stores	Ketty Hua / Ian Swartz	stores	Liaison		
External Relations	Alaina Lagrou	external	SAC Rep	Imran Mohammed	immo@yaho.com
Ftosh Handbook	Ariel Feldman	handbook	SAC Rep	Arbab Khan	atab.khan@gmail.com
Gradball Chair	Harim Kim	gradball	Chem Club	John Matthews	chemclub
Hi-Skule™ Liaison	T.B.A.	hiskule	Civ Club	Carlo Ceccarelli	civclub
Ombudsman	Virali Patel	ombudsman	Comp Club	Peter Grycko	compclub
Orientation	Stephanie Whitehurst	orientation	Elec Club	Mark Belvedere	elecclub
Professional Development	Raj Pattani	profdev	Eng Sci Club	Damien Frost	engsciclub
Skule™ Book Speaker	Chris Doan	skulebook	Indy Club	Stephanie Whitehurst	indyclub
Sponsorship	Ryan Campbell	speaker	Materials Club	Frank Forte	mseclub
	Evan Jones	sponsorship	Mech Club	Jeff Harris	mechclub
			Min Club	T.B.A.	geoclub

## Phone Numbers and Links

**UNLESS OTHERWISE SPECIFIED, ALL NUMBERS BEGIN WITH (416) 978 - ...**

Emergency.....	2222	First Year Advisor.....	4625
Bat Fone (red phone).....	1607	First Year Chair.....	4625
Engineering Society Office.....	2917	Dean of Engineering.....	3131
Engineering Stores.....	2916	Assistant Dean of Engineering.....	4941
SAC.....	2911		
SAC info.....	INFO	Robarts.....	8450
Walksafer.....	SAFE	Sandford Fleming.....	6494
		Sigmund Samuel.....	2280
CHEM: Luisa Gomes.....	5336	Athletic Center Inquiry.....	3437
CTV: Colleen Kerluk.....	0945	Recreation Information Line.....	5845
ECE: Ella Lund-Thomsen.....	8570	Hart House Hall Porter.....	2452
ENG SCI: Morag Paton.....	416-946-7351		
MECH\INDY: Mae-yu Tan.....	6420	Downtown Legal Services.....	6447
MIN: Laurelle Levert.....	6554	Sexual Harassment Office.....	3908
MSE: Louisa Kung.....	3012	University Omsbudperson.....	4874
		University Police.....	2323
Admissions and Awards.....	2190	University Police - Emergency.....	2222
UoFT Bookstore.....	7900	University Switchboard.....	2011
Career Center.....	8000	TTC.....	416-393-INFO
Health Services.....	8030	GO Transit.....	416-869-3200
Housing Services.....	8045	Second Cup House.....	416-408-0240
Learning Skills.....	7970		
Psychiatric Services.....	8070	Chemical Engineering.....	5336
Services to the Disabled.....	8060	Civil Engineering.....	3096
		Electrical & Computer Engineering.....	1999
Office of the Registrar.....	0120	Engineering Science.....	2903
Financial Aid Advisor/		Mechanical & Industrial Engineering.....	6420
Scholarships & Awards Officer.....	7900	Mineral Engineering.....	6554
ECF Office.....	4250	Materials Science and Engineering.....	3012
PEY Office.....	3132		
Math Aid Office.....	416-946-3165	www.utoronto.ca	
Eng. Career Office.....	416-946-3730	www.engineering.utoronto.ca	
T-Program Coordinator.....	5909	www.rosi.utoronto.ca	
International Student Center.....	2564	www.ecf.utoronto.ca/apsc/registrar	
Student Accounts Office.....	2142	www.ecf.utoronto.ca/~writing	
Office of student Affairs.....	5536	www.courses.ece.utoronto.ca	
Swap Shop.....	7080	http://osap.gov.on.ca	

## **Your contacts** *CONTACT YOUR ALLIES... AND ENEMIES*

Name: \_\_\_\_\_  
Discipline: \_\_\_\_\_  
Email: \_\_\_\_\_  
\_\_\_\_\_

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Contact us:  
333 King St West, Toronto, ON  
416 971 3332  
[www.clubmenage.ca](http://www.clubmenage.ca)

# *SKULE™ Is Not Enough*

## *ITO*





# University of Toronto Computer Shop



**Your Apple destination store.**



Koffler Student Centre, 214 College Street, Toronto, Ontario, M5T 3A1  
Tel: (416) 640-5810, e-mail: [sales@campuscomputershop.com](mailto:sales@campuscomputershop.com)  
Hours: Monday - Friday 8:45 - 6; Saturday 10 - 5



Authorized Reseller

[www.campuscomputershop.com](http://www.campuscomputershop.com)

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