Disclaimer

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No pokemon were harmed in the making of this handbook. Except for Jigglypuff, but she asked for it. Turns out she is really into S&M.

Engineering Code of Ethics

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

In our words and actions:
• We embody the respect for truth, integrity, fairness, free inquiry, and the opinions of others.
• We respect all individuals without regard to race, colour, sex, creed, sexual orientation, ethnic or national identity, disability or age.
• We follow the letter and spirit of laws and regulations included in the Canadian Charter of Rights and Freedoms, and the Ontario Human Rights Code.
• We observe these standards and actively encourage our colleagues to join us in supporting the highest standards of conduct.
Welcome to the world of Skule™. My name is Maegan Chang, but everyone calls me the F!rosh Handbook Editor.

Before we go any further, I’d like to tell you a few things you should know about this world! This world is widely inhabited by creatures known as engineering students. You, f!roshie, will live alongside them as friends (or rivals). At times we play together, and at other times we work together. Some students face their colleagues in battle (at Starcraft/DOTA/CS) and develop closer bonds with them.

Are you ready? Your very own tale of grand adventure is about to unfold. Fun experiences, difficult experiences, there’s so much waiting for you! Dreams! Adventure! Let’s go to the world of Skule™!

If you have any questions or would like to know more about Skule™ or the Handbook, send me an email at handbook@skule.ca. I’ll see you at F!rosh Week!

Maegan Chang
F!rosh Handbook Editor 1T0-1T1

Staff

Much like Ash could not have gone on his journey without Misty, Brock and Pikachu, this Pokémon Handbook could not have been created without some very amazing people, who are all Pokemon Masters to me! I’d like to thank all of you for your tireless work. Thanks to you, we’ve published on time!

To my Co-editors and Illustrators, you are the best. If you were pokémon you’d all be legendary. I could never ever have done it without you!

Betari Darlene  Jocelyne Chan  Wai-Sze Lam  Andrew Park

Thanks to all the contributors:
Alberto Leal, Andy Chen, Anthony Blandon, Bo Han Zhang, Brian Nguyen, Bryan Gellner, Bryan Thompson, Candice Chan, Damian Durlick, Daniel Moon, Erickson Taruc, Evan Ma, Fiona Tran, Freddy Chen, Ivan Matijevic, Jonathan Leung, Navid Nourian, Rishi Maharaj, Roshan Thanapalan, Sébastien Balda, Shagun Parulkar, Shruti Srinivasan, Vincent Lu, and Zoya Shrivastava

And special thanks to:
Donnie Yee, Abhishek Mathur, Hubert Ka, Becky Gan, Jonathan Ng, Jimmy Lu, Damian Durlick, Tony Chen, Yi-Wei Ang, Bill Sceviour, Owyn Notario, Andrew Chun, Kevin P. Siu, Albert Huynh, Tony Chen, the CA, Mario Baker and Mario’s ASS, all the club chairs and directors, the Engineering Society, Barbara Ellenson, previous handbooks and Nintendo.
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## Advertisements

## Map
Hey Future Engineer!
Welcome to the University of Toronto and congratulations on becoming a part of the proudest and most spirited Faculty on campus.

Life as an Engineer at U of T goes beyond just school. Here you will have the chance to nurture the tools necessary to become a successful individual and over the next 4 (or more) years here at U of T, you will be provided with countless opportunities. Whether it is a goal in sports, a hobby that you wish to foster, or a passion for academia, it is only up to you to pursue these goals.

F!rosh Week is what this is all about. Get exposure to your campus, life at U of T, your faculty, your city, and meet fellow F!rosh and Upper Years to help guide you through all of these opportunities. It’s also my job to show you why it’s the single most exciting and memorable Week of the Skule™ year! Make sure to sign up, because you’re only a F!rosh once.

Congratulations and Welcome to Skule™!

Still got questions? askorientation@g.skule.ca

Your Orientation Chairs,

Owyn Notario  Andrew Chun
CIV1T1 + PEY  INDY1T1 + PEY

Orientation Check-LIST

Some things to REMEMBER for F!rosh Week:

What TO bring and wear:
- Pre-order Receipts for F!rosh Kit Orders or money to buy Frosh Kit
- Weather-appropriate clothing (rain or shine!)
- Comfortable (all-day) walking shoes & sunscreen
- T-card, Health Card
- Skule™ Spirit!

What NOT to bring and wear:
- Expensive clothing/electronics (it’ll get purple/wet/dirty. Save it for F!rosh Nite!)
- Excessive clothing (you’ll be carrying it around!)
- Anything valuable (SIN card, passports, sentimental items, etc.)
- Your Parents!

What your Frosh Kit includes:
- A Laundry Bag
- Two Orientation T-shirts
- Flip Flops
- Free Ticket to Skule™ Nite (our Annual Engineering Comedy)
- Free Ticket to F!rosh Nite (the BIGGEST Annual Party for all of U of T)
- Pens, trinkets, coupons, bubble gum, etc!
- And much, much MORE!
The Skule™ Orientation Trainers have been working hard to organize as many fun activities as possible. This is just a sneak peek of the events to come. But that's not all! There are still some events unseen to your Skulédex. You're in for a few surprises.
**Events**

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

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

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

**Blue and Gold Movie Night:** After a full day of activities Blue and Gold is kind enough to reward us with a movie, usually a comedy. This is the time for you Frosh to sit back, relax and enjoy the show surrounded by all your friends, and of course – your leadurs.

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

**Frosh Olympics:** As the name implies, it is basically pitting all the Frosh against one another. This is your chance to show everyone who’s really the strongest and fastest amongst you!

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

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

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

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

**Suds:** Our own Engineering pub. You’ll learn more about Suds later in the handbook, but all you need to know is that it’s open during Frosh Week, and that it is AWESOME!

**Camping Trip:** Here you and fellow Frosh, and leadurs can go swimming in a pond, eat delicious food, play card games, throw frisbees, sing engineering songs around a firepit, and perhaps partake in some BEverages. Be advised, this event costs extra, but it’s well worth it!
Who’s that Pokémon?

What kind of Pokédex would this be if it didn’t have Pokémon profiles? So tell me, what discipline Pokémon are you?

Chemical

Name: Vileplume
Trainer’s Tips: Supply enough Revive, Full Heal, and Full Restore to be physically and mentally prepared for CHE112 (Physical Chemistry).
Weakness: Electricity (CHE113 (Concepts in Chemical Engineering), ECE section kills…)
Attacks: Stun Spore - The amount of girls in Chem Eng is a true paralyzer for the sustainable development of male engineering student life. The 1:1 sex ratio in Chem, comparing to the 4:1 in the faculty, is an unstable factor for any department-wide activities; which also makes Wallberg 238 and Chem Computer labs places of interests for all engineers.
Bio: They are also known as “Fem Eng…”. They are known as the “CHicks Entertain Males” department. They are known as the “inCredible lab Hours Enable Male and female cooperation” program.

Civil

Name: Onix
Trainer’s Tips: Pack a lot of potions as Physical Chemistry is super effective against Onix!
Attacks: Rock Tomb - ability to stop foes and structures from moving
Harden - ability to understand the chemistry of materials to increase the defense
Iron Tail - ability to take down any Pokémon or structure with a single blow
Protect - ability to reinforce structures from all damage
Weaknesses: Excess partying and BEvERages
Bio: One of the older disciplines in Skule™, Onix are known for having a magnet in their brain as a compass guiding them as they dig. When they encounter different materials their bodies often get harder and stronger because of their ability to learn and increase their knowledge of materials such as timber, concrete and steel.

Computer

Name: Porygon
Trainer’s Tips: Porygon are often seen working in computer labs for the majority of the day. Accordingly, it is wise to reserve great deal of stamina for the aforementioned purpose.
Attacks: Conversion - ability to imitate others attacks or numbers for use in a computer program
Conversion 2 - ability to convert numbers and complete any numerical analysis
Magic Coat - exposure to computers for excessive hours allow computer engineers to wear an invisible coat which carries a unique unpleasant scent
Weaknesses: Girls, showers, power failures
Bio: Hours and hours in front of the computer working on programming allow them to wear their magic coat and only a shower can get rid of it. When approached by a girl, Computer engineers often speak in binary and gamer lingo, if they are able to speak at all. On their lonely nights when relieved from programming, they can be seen playing CS or DOTA at the GB labs.

Electrical

Name: Elekid
Trainer’s Tips: Elekid is quite a fragile pokemon in its pre-evolution stages. After experiencing the harsh environment of Skule™, they will soon become impervious to natures harshest torments.
Attacks: Thunder - a lightning ability to defeat foes with electrical knowledge
Shockwave - ability to use magnetic and electric fields to shock opponents
Hidden Power - It’s a surprise, but you’re sure to smell it

Weaknesses: Grounds, social gatherings, the opposite gender, showers

Bio: The electrical engineering can often be seen working on his pre-lab or charging up their electrical power in lecture (sleeping). It is always happy when there is thunder rumbling, or when they are exposed to the rare female kind. Beware of their Hidden Power ability, you will be sure to get a whiff of it when in close proximity to them.

**Engineering Science**

**Name:** Alakazam

**Trainer’s Tips:** CARRY LOTS OF POTIONS TO STAY IN ENG SCI, NO AMOUNT OF HP IS ENOUGH

**Attacks:** Future Sight - enables you to see the never ending doom you have to face
Miracle Eye - ability to look at your marks with two eyes and believe the bell curve was a miracle
Kinesis - ability to use vast mind power to complete delta-epsilon proofs and triple integrations

**Weaknesses:** Free Time

**Bio:** The strangest Pokémon in the Skule™ world, EngSci's are never to be found. One of the rarest Pokémon on Skule™ campus, and the hardest to catch. They often hide in their pokéballs studying delta epsilon proofs and non-functional requirements. As the year progresses, EngSci tend to evolve into a Mech or Civ, yet Professor Oak cannot account for this phenomenon.

**Industrial**

**Name:** Meowth

**Trainer’s Tips:** Do not be alarmed by Meowth’s fragile nature, as it will able to evade most dangerous attacks.

**Attacks:** Pay Day - ability to work at McDonald’s long enough to get paid
Taunt - ability to taunt every other engineering discipline with their relatively abundant free time
Captivate - ability to captivate the audience about optimizing backward overflow
Amnesia - their lack of science knowledge often causes them to forget valuable things

**Weaknesses:** Math and Science

**Bio:** Often the least traditional engineer, courses are more “artsci”, hence Meowth's are the only Pokémon that can speak English. They have an amazing ability to analyze processes and improve efficiency. Indy's have made the McDonald’s Drive Thru the way it is today - if the Indy didn't exist I would have to get out of the car to get my BigMac.

**Materials Science**

**Name:** Ditto

**Trainer’s Tips:** Ditto is one of the most unrecognizable Pokémon. Often times, people will ask if you’re in X (where X != MSE) discipline! Use that power to your advantage!

**Attacks:** Transform - ability to reconstitute your entire cellular structure to whatever you see such as metals, polymers, biomaterials and more!

**Weaknesses:** Any attack from a force greater than its yield strength Ditto will begin to revert back to its mush of pink gum.

**Bio:** The MSE’s ability to transform itself into anything allows him to have a vast knowledge of every other discipline. Transforming allows him to study the material properties like compression and tensile strengths, electrical conductivity, and the biocompatibility of the opposite sex!
Who’s that Pokémon?

**Mechanical**

Name: Machamp  
**Trainer’s Tips:** Machamp is quite a powerful physical pokemon, able to deal great damage and endure hits. Its endurance will be handy for MIE100 (Dynamics) and ECE110 (Electrical Fundamentals).  
**Attacks:**  
- Dynamic Punch - a punch that is often used on the dynamics textbook due to frustration  
- Wake Up Slap - a slap to wake yourself up in the middle of the night when working on dynamics  
- Seismic Toss - using your super strength to toss enemies and rival Pokémon’s and Skulemates to show off to the Chem’s  
**Weakness:** Dynamics  
**Bio:** Mech of Skule™ are the most competitive engineers, they compete with each other in everything. They are known to often hit on the Chem Eng by attempting to show off their super strength. Unfortunately the extra arms still won’t help you finish all your work faster if that’s what you’re thinking.

**Mineral**

Name: Dugtrio  
**Trainer’s Tips:** The mineral loving Dugtrio are a rare group, however this only means they have close relationships with their brethren.  
**Attacks:**  
- Dig - ability to dig underground and look for rocks  
- Sucker Punch - ability to sucker punch the faculty into giving them mass scholarships  
- Explosion - being educated in the use of explosives allow Min’s to cause explosions  
**Weaknesses:** Uncontrollable attraction for rocks, population - one Dugtrio represents the whole Mineral Department (yes there is literally less than 12 of you guys)  
**Bio:** Min’s are usually found in a Cave, looking for rocks. They often ditch Skule™ to look for some limestone to add to their rock collection. Min’s do not need women in their life as long as they have rocks. If marrying rocks were legal, all 12 of the mineral engineers would marry them.

**Track One**

Name: Eevee  
**Trainer’s Tips:** Keep your mind and options open as each evolution has its own unique perks, strengths and weaknesses!  
**Attacks:**  
- Helping Hand - ability to help others  
- Take Down - ability to take down any common room door of the core 8  
- Last Resort - wait until the last minute to make a decision  
**Weaknesses:** Decision making  
**Bio:** Track Ones enter Skule™ and the Pokémon world ready and willing. They are one of the cutest and most varied Pokémon and among the most adaptable. They can be frequently seen eating free lunches on Fridays due to faculties wishing to evolve them into one of their own. Often they have trouble deciding which stone they should use to evolve into second year.
HardHat Descriptions

Just like Ash protects and takes care of his Pokémon, we, the engineers must protect and take care of our hardhats; hardhats are just as important (if not more). There are a variety of colours available at Skule™ and each colour has a different role; people with different colours hold a specific position, have achieved something or have contributed to the Engineering Society. In your 4 (or 5) years at Skule™, challenge yourself ... can you catch ‘em all?

Yellow – General
You can catch this hardhat by attending Flrosh Week! Yup, that’s right, just by attending Flrosh Week, you can own your very first hardhat! You will absolutely love it. But make sure to protect it from those Artscis! They often have Flrosh hardhats on their scavenger hunt lists. If by any chance, Artsies manage to steal yours or anyone else’s hardhat (this shouldn’t happen), yell out “HARDHAT” as loud as possible, and all the engineering leedurs will chase down the Artscis for the hardhat!

Beige – Class Reps
This is caught by the most integral people of the society: the class reps. Each discipline (Mechanical, Chemical etc.) has a rep for each year (1T4, 1T2 etc). Class Rep elections for first and second year students will be held in September! Get your Jigglypuff mic ready for a speech!

Avocado - Internal Operations & Services
This hardhat is caught by people who run operations and services for the Engineering Society. These people are: CRO, Sponsorship Director, Skule™ Points Director, Speaker, Ombudsperson, Webmaster, Computer Systems Administrator and Engineering Communications Administrator! If you want to get involved with internal operations of the society, contact them!

Burgundy – External
This hardhat is caught by people who are part of a group outside of the society, deal with people outside of the society or run services for people outside of the society. These include: Hi-Skule Liaison, Professional Development Director, Student Governor, UTSU Director, Student Issues Director and Community Outreach Director. If you want to deal with services outside of our society, talk to these guys!

Dark Green – Publications
This hardhat is caught by people who run publications for the Engineering Society. These are: Flrosh Handbook Director (this handbook silly!), Skulebook (engineering yearbook), The Cannon (engineering newspaper) and The Toike Oike (engineering humour!). If you are interested in writing, get in touch with these people!

Orange – Event Planners
This hardhat is caught by those who plan events for the society. These events are super duper awesome; they are SO awesome, they make Pikachu say “pikaa!”. These include: Orientation Director, Cannonball Director, Gradball Director, UTEK Director and Blue & Gold Chair. Learn how to make something out of nothing!

Maroon – Commercial Operations
The Engineering Society runs three commercial operations: Engineering Stores (where you can get CHEAP textbooks and other Skule™ stuff!), Engineering Cafeteria (where you can get CHEAP food) and SUDS (where you can get CHEAP BEvERages!). The managers of these operations capture the maroon hardhats!
Orientation

Grey – Affiliated Club Chairs
Leaders of affiliated clubs are the only ones who can capture this hardhat. There are tonnes of engineering clubs to get involved with! There is a variety of discipline clubs, cultural clubs, social clubs, design clubs and special interest clubs to choose from. Open your Pokédex and hit up http://clubs.skule.ca!

Gold – Competition Club Chairs
Since our competitions always go for gold, these club chairs capture the gold hardhat. These include Engineering Athletic Association, Iron Dragons, Concrete Toboggan etc. Go ahead and test your athletic abilities!

Red – Skule™ Nite
Red is captured by those who run Skule™ Nite! If they can’t make you laugh ... well there’s no ‘if’ they WILL make you laugh! Skule™ Nite happens in March, and all F!rosh get a FREE ticket in their F!rosh Kits! Make sure you come out and enjoy this event!

Blue, Gold – Mr. Blue and Gold, Godiva’s Crown
This hardhat is captured by those who demonstrate excellent engineering spirit by winning the “Mr. Blue and Gold competition” and the “Godiva’s Crown competition”. If you see PETER RAI-MONDO, tell him to ‘drop his pants’ (because he has to!) and if you see PAULETTE HOLTHAM yell out ‘GODIVA’ so she can do her crazy ‘queen of hearts’. There is no exception to this rule, this can be done in class, during a presentation, on the streets or even at Eaton Centre!

Hi Visibility Orange – The Bnad!
These are captured by the leaders of the Bnad! If you ask them how to get to Sesame Street so that you can Tickle Terry, they might Look You Over but them and their Marching Bnad will tell you A Soldiers Tale involving a Mail Man and a Rubber Ducky. Why Are We Waiting you ask? I don’t know, let’s move on!

*Light Blue/Dark Blue/Silver – Huh?
These ... hardhats ... are ... captured ... by ... uhh ... ministers ... uhh ... ass ... uhh ... chief ... omgwt-fbqq?! These hardhats aren’t captured yet! What are these? Why did I write this? They don’t exist!

Black – Cannon Guards
The guards of the Ye Olde Mighty Skule™ Cannon captured the black hardhats. You will always find these guards Honouring, Respecting and Protecting our Cannon.

White – Governance
This hardhat is captured by the leaders of Skule™. These include the five Vice-Presidents of the Engineering Society, and the nine Discipline Club Chairs. If you have any questions and/or comments on ANYTHING about Skule™, ask these guys!

White Fireman – President
The President of the Engineering Society is the only one who has captured the White Fireman’s Hardhat. The Prez is the CEO of the society and is supposed to give direction to it! The Prez is pretty awesome. Pass by the Engineering Society Office to say hello to Kevin. P. Siu!

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

Thus we honour and sing about Lady Godiva because she represents the heart of engineering: a willingness to sacrifice anything to ensure that the lives of others are better. And it is our duty to uphold this and be the change we want to see.
The legends say it was the glorious era of the mighty British Royal Navy. Her Majesty’s Ships were being set out to explore, conquer and claim exotic lands at the far ends of the Earth. The Royal Engineering Corps worked from dawn till dusk to keep her Majesty’s ships in good condition. To identify themselves as engineers, each officer proudly wore a bright purple patch on his right arm, just below the shoulder.

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

Royal engineers, would often sacrifice their lives and go down with the ships in a valiant attempt to slow down the sinking process so that more people might survive. As a badge of honour and respect, and more importantly, in memory of all the honourable men and women who have gone before us, we temporarily mark ourselves with the colour that expresses our pride in our history: purple.

Dyeing yourself during F!rosh week is not mandatory (but it does show SkuleTM spirit!). If colouring your whole body is a bit too crazy for you, consider dyeing only a portion of your body (an arm, a leg...). Expect to remain purple for a few days (depending on your washing habits).

The Iron Ring

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

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

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

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

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

1878 - The Little Red Schoolhouse: The Northern Third Engineering Building is built at U of T to house SPS. Affectionately known as the Little Red Schoolhouse, it is located at the corner of King’s College Drive, where the Medical Sciences Building now stands.

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

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

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

1891 - School Colours: Blue and gold are selected as the school colours for engineering. They are still the colours used by the Engineering Society today.

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

1911 - Toike Oike: The Society creates an election paper for the student body, known as Toike Oike. The origins of the word are not completely known, but there are legends about the source of the name. Toike Oike later becomes the ‘official’ paper of the Engineering Society, presenting both humour and school-related news.

1920 - “Toike oike, toike oike; Ollum te cholum te chey!”: The Skule™ Yell is heard for the first time.
1921 - **Skule™ Nite:** Ngynyr in SPaSms has its first showing at Massey Hall on March 2. It would later go through several names and eventually become Skule™ Nite, with an annual show for the most part.

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

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

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

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

1982 - **Waterloo Tool Stolen:** Waterloo engineering's cry.

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

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

2010 - **Class of 1T4 enters:** (what are you guys gonna add to the list???)
The Mighty Skule™ Cannon

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

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

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

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

Built on tradition and thriving on spirit, it is a common bond that unites our engineering community. It represents our strength, our unity, and our dedication. Let the crack of thunder and billow of smoke be a constant reminder of your pride as an engineer. The Cannon is YOUR mascot.

Honour It.
Respect It.
Protect It.

Chief Attiliator 2010-2011
A Brief History of the Cannon

1929 An engineering caper resulted in the firing of one of the two cannons in front of Hart House (unfortunately, both were supposed to fire).

1931 A small cannon appeared during Skule™ festivities, was fired, and then mysteriously disappeared.

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

1941 UC stole The Cannon but it was instantly returned.

1949 The Cannon disappeared into the med's building. In retaliation, the engineers kidnapped the Med Society president. After a few days’ debate, The Cannon was returned, marred with a new inscription that read, ‘Captured by MED5 5T2, 3 Feb. 1949’.

1967 The most infamous cannon steal of all. Capitalizing on a lapse in security, two graduate engineers spirited away The Cannon, and made their way to the British Isles. Six brave engineers took it upon themselves to restore the pride of Skule™, and tracked The Cannon to UC in England, where two of them, venturing into the thieves’ living quarters, recovered it.

1972 The first Gang Bang with the Rye engineers, to decide who had the better cannon. Not only did we annihilate them in the contest, we also made off with the distributor wire to their bus.

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

1989 The 60th anniversary of the engineers' association with The Cannon; the guard was outfitted with new uniforms (black coveralls and black hardhats).

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

1998 This year was the 125th year of Skule™ and 70th anniversary in association with The Cannon. The old cannon was retired, and the new cannon was created with a stainless steel barrel and walnut chassis. This cannon has proven to be fit of the title of Ye Olde Mighty Skule™ Cannon, and will continue to represent Skule™ in the upcoming year.
Introducing:

The World Famous, Quintuple Prize Winning, Sextuple Record Setting, 60 Years Celebrating...

TSE crashing, football field dashing, alcohol stashing, JUMBOTRON FLASHING, Royal York trashin, fountain splashing, joke rehashing Oktoberfest bashing, button mashing, joke rehashing: 5* = $^{22} H_4 \Delta \sim \equiv \sum \equiv \equiv \equiv \equiv \equiv \equiv, impostor band mocking, Gradball shocking, Con Hall rocking, Seavenger hunt jockeying Chariot Race clocking, United Way walking, Speakers Corner talking, hockey game socking; Pop machine filling, READY AND WILLING, Crown Royal swilling, YO WE JUS' CHILLIN'!! CN Tower ascending, PEACE AND QUIET ENDING, CANNON DEFENDING, many patents pending; Coke machine wiring, world take-over conspiring, INSTRUMENT ACQUIRING, fear inspiring, INTRODUCTION IS TIRING; Seven year old Scotch decanting, ALL NUDE ALL THE TIME! Vanier Cup rejecting, PREMIUM BEER SELECTING, GODIVA RESURRECTING, tastes good with pectin; WHEEL OF FORTUNE SPINNING, stereo winning; Swiss Chalet eating, Santa Claus greeting, Atrium meeting, SMASH BROS. BEATING; Mad integrating, Nathan Phillips skating, Aramark hating; triple X rating; Yonge St. cruising, Varsity Bluesing, music abusing, ear drum bruising, Blue Jay enthusing, Iron Ring perusing, Hart House Farm carousing, Rum & Coke oozing, REFREE ACCUSING; Gamecube playing, TROGDOR SLAYING, artsie laying, fine paying; Police escorting, lecture aborting, broomball sporting, cheerleader courting; S-DANCE BOATING, Homecoming floating, proxy voting, sticker coating; Note nailing, scale scaling, SONG WAILING, movie delaying; Football loss cheering, spaghetti monster fearing; alumni suds beering, fire bell searing; Pride Parade priding, traffic abiding, trombone sliding, Queens Golden showering, Sourpuss souring, gin devouring. F! deflowering; FUNERAL HALTING, mascot assaulting, beverage malting, artsie insulting CN Tower, Skydome, Eaton Centre, Pratt Building, Four Seasons, INNIS CONDO, Scarborough RT, Bahen Centre for information Technology, Ontario University Fair, Varsity Stadium, Skulenite, Spadina streetcar and Sheppard subway OPENING... AND SUBWAY CLOSING...
Da LGMB iz da best whey too git involhved inn ahll da phun tings wee doo heer inn Engineering. Wee arr ah crayzee mixxx betwixt ah marrchyng bnad aynd ah spearit groop! Da LGMB iz ah reel eezy cluhb too joyn; thair arr absohlootly noe comitmintz recoired, soh yoo juszt sho up aynd hav phun! Weev goht ahll dee instruhments yull ehvar kneed (trupits, trombonez, floots, aynd muhch muhch mohr!) aynd wee garantee yoo goht awll da talunt yooll evur kneed!

Wee attend krash tuns uv uhvents dooring thuh yeer! Bassketbawll gaymez, ruhgbee champeenohyps, charutee uhvents, paraids, wyne & cheeses, ceruhmoanees, aynd futbawll losses awll pheel owr moozical prezenss!

Howe doo yoo sin(up)? Evurree Engineering stoodent iz awlreddy uh member uv da LGMB! Goh too r websihght (lgmb.skule.ca) to sin(up) fur da mailin lizt nd loohk owt fore LGMB announcemints during F!rosh Week aynd throo – owut thuh entire yeer!

Letts Boogy Loo!!!

Alex Martins
Bnad Leedur

Addie Denison
D(r)umb Majur(k)

Richard Medal
Joonyur Bnad Leedur

lgmb@skule.ca
EHH FROSHIEZ...

AND SOH IT BEGINZZ-- FOAR YEEIZ OF BLUD SWEAT AN TEARZ TUH GET TO DAH IRON RING... BUT WUR HEER TUH TELL YOOZ DAT NOT ALL SLEEPLESS NITES SHUD BE SPENT ON READIN RITIN N 'RITHMATIC. WE BE DA MEMBERS OF DA BRUTE FORCE COMMITTEE-- AN I, MARIO BAKER, BE IN CHARGE OF DIS MESS. WE'Z BE DA MASTERS OF TRICKERY, MAGIC AN 'NRKY... PULLIN CRAZY CAPERZ AND TAKIN OVER DA NITE.

WE'Z BE THE MEMBERS OF SKULE DAT ARE EXTRA SPIRITED AND LUV TO SHOW OUR SKILLS BY PULLIN LOTS'A PRANKS SHOWIN DA ARTSIES WHOZ BOSS. WEZ ALWAYS LOVE TA SEE NEW "TALENT", SO COME SHOW YER SPIRIT DURIN F'ROSH WEEK AN WE'LL SHOW YOU DA REAL MEANIN’ OF SKULE.

MARIO BAKER
NEWARK, NEW JERSEY

Disrupto Ergo Sum
MariosBakery.ca
Sooner or later, you may find yourself thrust into battle – defending the honour of Skule™. In a situation where other faculties and universities are present, feeble-minded artsies and their ilk often attempt to sap some of Skule™'s great strength by means of attack. So that you will be prepared, the handbook presents...

The Skule™ Hierarchy

(who to protect in case of emergency)

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

If THE MIGHTY SKULE™ CANNON is present, it must be protected at all cost. If the Skule™ banger is not present, then the Engineering flag comes first. The Band also needs protection, for it is indeed difficult to beat off (?) attackers with a $200 horn in one’s hands. The rest of the Hierarchy is self-explanatory. Once items 1-4 are safe, head for the nearest sanctuary or tavern. You have your orders... Good luck, and may the force be with you.
Pre-Class Checklist

As your first lecture approaches, you better make sure you’ve stocked up enough supplies to last you through your first Skule™ year. Here we provide a list of suggested items that you will need, in class or at home, as well as some stuff that isn’t totally necessarily but will make your life a lot easier. You might able to get away with leeching some of these from your friends, but try not to be the person always frantically searching for a pencil before every quiz.

- Loads of lined paper, don’t worry about killing trees – you will kill plenty of them over the next four years.
- Pencils and straight edge for all your diagrams
- Pens, as Prof. Cohen will recommend for boosting your confidence when doing math problems – because you cannot erase it!
- A faculty-approved scientific calculator (Sharp 520, TI-30, Casio 260).
- Your most updated timetable from ROSI. KNOW the locations of all your classrooms. Don’t just follow your classmates and assume they know where they’re going – they usually don’t!
- Binders to keep your notes organized, that is, if you take notes. Notebooks work too!
- A soft and puffy knapsack to haul your stuff around in, alternatively used as a pillow to fall asleep on during lectures.
- Your personal copy of the Skule™ Planner, which you will receive at the beginning of the Skule™ year. Pick it up from the Engineering Society Office!
- TCard (your U of T student card, available from Robarts Library). KNOW your student number!
- Course textbooks, from the U of T bookstore, engineering store, discount bookstore, an upper year student, or even a PDF copy.
- A computer – well, you don’t actually NEED a computer, but without one it will be pretty hard to procrastinate and you might have to actually do some work.
- A mobile phone with keyboard for you to text during boring lectures. Also needed so that your teammates for group projects don’t tear their hair out trying to find you.
- Lunch especially in all your Engineering Strategies & Practice (APS111) tutorials so you can pretend you’re busy when the TA drops by your group.
- Enough Skule™ spirit from F!rosh Week to last you all the way to Godiva Week.
- A water bottle that won’t leak, unlike the ones from UTSU.
- Sleep and good rest; you should stock up on these before Skule™ starts.
- Extensive supplies of caffeine, whether in a traditional form (coffee) or some slightly more carcinogenic ones (energy drinks).
- A continuous source of food, don’t forget to eat, and don’t rely on the Blue Food Truck
- A washroom with a shower; if you’re in ECE, please don’t forget to shower
- Tylenol and other rapid pain relief drugs for EMERGENCIES, to be used at your own discretion.
- The direction to the First Year Office, if you have any questions.
- Your memory and concentration – much, much harder than it sounds.
- Humour, but some professors will have plenty to share with you.
Tips for Success

How do you become a Pokémon Master? If you asked Ash Ketchum and Gary Oak, you’d probably receive very different answers! The definition of success is different for everyone, and how you go about achieving it will be different as well. At Skule™, there is no “right” way to find success. However, here are some general tips that might help you get through first year unscathed!

Don’t obsess over grades!
Remember, the reason you are attending university is to get a good education! That’s not the same as just getting good grades. It’s normal for your grades to drop even if you were the super-star of your high school, so don’t get discouraged if they do. You can still find jobs or co-op opportunities in the future if your GPA is low, and even if your GPA is sky high, it doesn’t guarantee you anything. What does this mean? Grades aren’t everything!
So when do grades matter? Unless you are planning to attend graduate school or apply for scholarships, for the most part, grades only matter in passing courses. In each semester, you will need to get an average of at least 60% with at least 50% in each course in order to proceed with a clear record. A good goal to aim for is scoring at or above the class average. Getting above average will definitely help you when (not if) grades get bell curved. However, that being said, you shouldn’t depend on grade adjustments to pass, and you should always strive to do your best.
Aim for the best, but remember that as long as you are passing it isn’t too bad.

Study smart and do your homework!
This is super important if you want to succeed. How you go about studying and doing your coursework will pretty much determine your success in every course. Once school starts, you’ll barely have any time, and you’ll have to learn to prioritize your tasks. There simply isn’t enough time to do everything meticulously like you could in high school! You will likely fall behind in some or all of your classes, and that’s totally normal. Unlike in high school, where you were handing in coursework almost continuously, in university most or all of your grades may come from two or three tests. The key is to ensure that you are caught up before quizzes, midterms and finals. However, this doesn’t mean that you should be cramming everything at the last second; give yourself enough time to catch up and understand things properly.
How should you prepare for quizzes, midterms, or finals? Practice! Doing homework problems and past quizzes/midterms/finals is one of the best ways to ensure that you consistently do well. Get enough practice so that you’re fast at doing problems and you understand all the concepts being tested.

Attend lectures and tutorials!
You pay over $10,000 for your tuition, so take advantage of the things that you pay for. Attend your lectures! The concept most likely to be found on quizzes/midterms/finals are (surprise, surprise) the ones emphasized in lectures. So it’s a good idea to attend all your lectures and take notes, and try to learn the material in real time. Why is it a good idea to understand concepts in real time? If you just blindly copy down notes without using your brain, you can easily get lost and fall behind very fast in courses that build upon concepts presented early on in the course. So pay attention!
Also, attend your tutorials! You want to get as much exposure to the course material as you possibly can before a test so that you are familiar with it. You paid for these tutorials, so don’t go skipping out on them unless you have to.
Speaking of skipping, is it worth it? The answer is only if you are positive that you understand
the course material and that you can use your time more productively. If you are not happy with your lecturer/teaching assistant or lecture/tutorial times for whatever reason, know that you are free to move around to different sections. The course material is all the same. While this practice is frowned upon, it’s not really enforced, and pretty much everyone does it. Just remember to attend your own tutorial sections for quizzes!

Ask questions!
Don’t be afraid. Do it in class. Do it in tutorials. Obviously don’t continuously bombard the lecturer or teaching assistant with questions, but when you don’t understand, it’s important to ask. Sure, some people might think you’re asking stupid things, or judge you, or whatever. But who cares? It’s more important that you understand the concepts presented in class. Don’t let your ego get in the way of your understanding.

Professors and TAs are there for you, so don’t be afraid to consult them during their office hours or send them an email. People rarely attend office hours, and professors will really like you if you come regularly. This is also a good place to get hints about what will be on midterms/exams. They will be happy to answer your questions if you ask politely!

Also, it’s a good idea to make friends with the upper year students. They will likely be able to help you with school work and a whole variety of other things. After all, they’ve been in the same position as you!

Slack off when you need to!
It’s so important it deserves its own subsection. You will slack off; it’s human nature. In fact, it’s probably not a good idea to fight it. Whenever you feel like you need to take a break from your work, do it (just remember that you can’t take a break from taking a break – seriously, it’s been tried). Let your body and mind loose for about an hour or so, and then come back to work. You will likely feel refreshed and be able to concentrate a lot better. Don’t be doing your homework while thinking about your favourite TV show or celebrity or video game or sports team or food. Learn to relax when you need to, and come back to your work later with full concentration! Just remember to plan your time wisely and give yourself enough time to finish your work.

Eat healthy, stay active, and get enough sleep!
It’s important to take care of yourself. Eating healthy nourishes your body and mind and helps you think better. Don’t skip meals during the day thinking you’ll save time or money; your health is more important! You need the energy to help you function and get through the day. Having an active lifestyle is also important for keeping your body healthy and avoiding the dreaded Frosh 15. Don’t sit at a desk working away at a problem set for three hours straight. Get up and move around a little and go exercise. Being physically active will provide you with more energy, and you will be able to concentrate on your work better!

If you really can’t get in the habit of eating healthy or exercising, the least you can do is get the right amount of sleep. Try to aim for 6 to 8 hours of sleep every night, and take a nap during the day if you need to. Never try to study when you’re dead tired; you won’t get anywhere. Rest up and get back to work when you wake up. Fighting your sleeping urges will only make you lose concentration and drag out the amount of time needed to finish your work.
You’ll be caught in a never ending cycle of fatigue and stress. Remember that health comes before school. You must plan your time wisely to give yourself enough time to finish your work and take care of your body!

Join extracurricular activities!
Get involved outside of class! Get involved outside of school! Being a university student shouldn’t tie you down to academics all day. There are plenty of opportunities to get involved, meet new people, and develop other life skills that can’t be learned out of a book. Being involved can create a tighter schedule, but your days will feel more productive and fun filled. In fact, faculty members encourage students to get involved. Nobody wants to study all day anyways, and a large part of your university experience will be about the people you meet and the things you do outside of studying. After you graduate, it won’t be fluid mechanics that you remember with fondness.

Finally, remember...
These tips won’t necessarily guarantee your success. Let this article be a starting point for you; learn to adapt to university life and find your own path to success. Don’t be discouraged if things don’t go your way at first, or if other people seem to be doing a lot better than you without much effort. Learn to identify and address your problems, and work hard to become successful!

Timetable Guide

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

There are three types of classes in engineering: lectures (LEC), tutorials (TUT), and labs (PRA for practicals). Almost all courses will have LEC and TUT sections, which are typically 1 hour long, and some will have PRA sections, which are typically 2 hours long and may run on alternate weeks (denoted by an asterisk [*] after the course code). Large courses will be split into multiple sections since everyone taking it can’t fit into the same room at the same time. There may be up to 5 or 6 lecture sections and 20 or more tutorial sections. Different lecture sections may be taught by different instructors (although all assignments, tests and exams will be the same) and different tutorial sections will almost certainly be taught by different teaching assistants (TAs). The numerical component of the section code tells you which section you are in. Depending on the course you may be able to attend a different section than the one on your timetable, but you should check with your instructor or TA first. You can safely ignore the first two digits of the section code (in engineering courses, they will always be 01). So LEC 0102 is just lecture section 2.

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

The Mineral chariot uses fire extinguishers as defensive weapons in Chariot Race 2003, leaving 6 students with oxygen deprivation. Chemical weapons are later banned from the Chariot Race.
Tutorials: Most courses will have a single one-hour tutorial each week. Your tutorial section will consist of about 30 students and a TA who will review the weeks content and answer any of your questions. Attendance is not mandatory, but there may be quizzes or other evaluations in tutorial, so skip at your own risk. Tutorials are much more useful when you prepare questions in advance – if you were hopelessly lost before, you will be afterward too!

Labs: A few of your courses will have a lab section, usually 2 hours every other week, in which you conduct experiments and write reports about them. Note that unlike tutorials and lectures, which start at 10 minutes after the hour, labs start on the hour, and attendance is mandatory!

Classroom Etiquette

It is a trying time, transitioning from high school to university. We worry about lecture hall sizes, and more importantly, how we will be able to learn in this new environment. It’s tough to evolve and adapt to the changes, but fear not, brave Pokémon masters in training, the following tips will inform you on how to conduct yourself in class:

Electronic devices
Having your cell phone go off in class will not only disrupt the professor’s lecture and your classmates, it may also get you a ticket out of class. Same goes with listening to mp3 players. Also, try not to blast music in your headphones, thereby annoying the person next to you. I know we are all electronic device loving individuals, but we attend class to learn, not talk on the phone or listen to music.

Sleeping
Many times we feel snorlax-like tendencies, especially if the lecture is very boring or you pulled an all-nighter the night before. And if the lecture hall has comfortable seats then it is even more tempting to catch some shut eye. However, there are risks involved; either being seen by the professor or losing out on important course material. Sleep cautiously!

Food
Be very wary of this, some professors may allow you to eat food in class and some may not. But please remember that if you do eat food in class, try not to make a mess and make use of the recycling bins.

Punctuality
Ah, the beauty of university, where no one takes attendance and there are no late calls going home. Isn’t that what we’ve all dreamed of? You can come late to class, but if you end up disrupting the lecture by arriving noisily you might be ridiculed in front of everybody or draw a stare of death. Some professors will pay no mind to your tardiness, but some of them will rip you a new orifice. You also risk losing out on the continuity of lecture material. Here’s a tip though: if your class is in a room such as BA 1200, use the back doors to enter. This way you enter silently rather than making a grand entrance at the front of the room.
Talking
It is fine to have a quiet conversation with your neighbour. Be warned, though, acoustics in lecture halls such as Convocation Hall will echo your conversations. So if you speak a bit too loud, you will be heard! As a courtesy to your fellow classmates and professors, try to keep it down or refrain from talking entirely.

Textbooks
Textbooks will be your best friends in your four years of study and guarantee your ability to stay in engineering. There are multiple places to get textbooks on or near campus, the following is listed in order of the preference of most students.

Engineering Stores
Location: Basement of Sandford Fleming Building (next to the Engineering Society office)
Items: The bookstore has almost all of the books required for first year engineering students.
Price: It’s usually cheaper than the Discount Bookstore and the U of T Bookstore, and discounts will be applied if a set of books are bought together.

Upper Year Students
Location: Wherever you can find them – usually in your discipline common room.
Items: However many textbooks they have left (potentially an older edition than one currently being used).
Price: Whatever they want to charge you – usually around half the price of buying new.

Discount Bookstore
Location: 229 College St. It’s located in the basement behind Einstein’s (a bar frequented by engineers).
Items: Most of the textbooks can be found there.
Price: Cheaper than the U of T Bookstore, but not by much.

U of T Students’ Book Exchange (TUSBE)
Location: http://www.tusbe.com/
Items: Students post their offers and requests on the website. Almost all books can be found here.
Price: Some offers indicate exact price wanted, others are negotiable with the owner through email.

U of T Bookstore
Location: 214 College St., www.uoftbookstore.com
Items: It has all the textbooks you will EVER need and other required devices as well.
Price: The highest textbook prices on campus. You can check the prices online for comparison without going into the store.
Past Exams

Doing past exams is the best way to get ready for exams. It is a great way to test how well you have mastered the course material. However, course material can vary slightly from year to year, and substantially if the instructor has changed. It is best to check with your instructor to see how helpful old exams will be. The Exams Database is provided by the Engineering Society and is located at http://courses.skule.ca, where you can search or browse by course code. Normally you can find exams for the past five years from the database, however, there are no solutions attached. Most TAs will solve past exams for you in tutorial if you ask nicely (and far enough in advance of the exam). Some professors will upload past exams (and potentially solutions) onto Portal (the university’s centralized course website system located at http://portal.utoronto.ca), and if for any reason there are no exams available from courses.skule.ca, you can always check if any upper students have a copy.

T-Program

So you couldn’t get the whole being a Pokémon trainer thing right and your Pikachu fainted one too many times. Well, looks like you’re going to need to make up for some work before you can continue. There are 4 main categories your average can fall into:

- \[ \geq 60\% \] (averaged for both semesters) means you’re good to go into second year with a clean record

- \[ \geq 55\% \text{ and } < 60\% \] means you only have to repeat the courses you’ve failed (courses which are < 50%) and that you’re on Academic Probation (explained below)

- \[ \geq 45\% \text{ and } < 55\% \] means you’re eligible for the T-Program (explained further below) so you’re going to have to retake the courses that you’ve received your 3 lowest marks in, whether you passed or not, and you’re on Academic Probation.

- \[ < 45\% \] means you have to take a leave of absence from school for a few months or that you’ll redo first year

Academic Probation

This means that you’re almost getting kicked out of trainers’ academy for a year. If your average is < 60 again you’ll need to ponder what went wrong and maybe take some time off. Taking time off takes a lot of guts and effort, but can also give you a new sense of motivation. To get off of probation, you need to have two consecutive > 70 average semesters or one semester with >80 average. Only semesters where you take a full course load (5 courses) will count.

T-Program Basics

The T-Program lets you retake courses you did not do so well in during the regular academic year and lets you catch up with the rest of your friends. They take a two month chunk out of your summer holidays (May and June). Beware, in the T-Program, courses are taught at any accelerated pace (2 months for a course instead of 4), so you will really need to stay on top of things.
Core Eight
Anti-Calendar

In our anti-calendar (unlike the conventional faculty calendar), we expose the courses that you’ll be taking the way they really are, with tips and all the useful information you need to pass the courses. Refer to the official Course Calendar (available in hardcopy from the Registrar’s Office or online on the Faculty’s official website).

APS104 - Introduction to Materials and Chemistry
Ah, APS104. This is the TrackOne and ECE crash course to Chemistry and Material Science, and it is still a work in progress (you will be the fourth set of frosh to take it). It is cut into two distinct chunks – Thermodynamics and (you guessed it) Materials Science. The first half of the term will be only thermo, and it will seem pretty easy if you remember anything from high school. You will have some quizzes worth a few marks, a “midterm” part way through the course, and an “exam” during midterm season. The lectures aren’t exactly exciting, but the textbook is borderline useless, so try to pay as much attention as you can. The second half of the term, which focuses on materials science, is going to be (mainly) new material, not review from high school. It is basically physics, but really, really small - it deals with the bonding of atoms to make structures, and the physical properties of these structures. There will be a lot of theory related questions, and a lot (a LOT) of diagrams. Don’t let this scare you though; the course boils down to understanding some basic concepts and a bit of memorization. The textbook is a lot more useful this time around, and lectures were also a lot of fun. Every week you will have a quiz, which is just free marks if you have a nice TA, and a fairly average difficulty exam.

APS105 - Computer Fundamentals
APS105 is the TrackOne and ECE first year programming course, and is the ‘harder’ programming. It starts off from the basics of C (variables, selection statements, loops, arrays, and all that good stuff) and follows a pretty linear difficulty path until halfway through the course, when it suddenly gets a lot harder – which oddly coincides with the introduction of recursion. The labs you will have to write (which you are given a week or two to do, so use your time wisely) get steadily harder as well, so it is recommended that you ACTUALLY DO THEM if you want a good mark, and not ask your friend that learned C in high school to do them for you. They are really good practice for the exam, since in reality, programming is all about how you think, not how well you know syntax (meaning lots of easy repetitive questions won’t be as much help as one really difficult problem). Speaking of syntax, don’t write your quiz in Java - it yields a mark of 0 (personal experience).

APS106 - Fundamentals of Computer Programming
Programming isn’t for everyone: some get it; others will struggle. You also can’t half-ass a program like you can an essay. I’m sorry, either the C program works or it doesn’t. If you have taken pro-
gramming before in high school, this will be a breeze. If you haven’t, don’t panic; this course is C programming for beginners. The first half of the course will be slow and easy. But don’t be fooled, things pick up speed after the midterm and if you haven’t been following along, you will be lost! Here is some advice you will probably ignore. Go to tutorials. They are helpful and the TAs are probably better than your prof. Go to labs. You will need the practice and they are easy marks to get. It’s also important to try to do the labs yourself as they usually degenerate into a copying fest. Finally, make some friends that are good at programming. There will be a project, and if you suck at programming, you’ll need all the help you can get! The textbook is really optional, and it can be really dry. However, there are some good problems in it for practice.

APS111 - Engineering Strategies & Practice I
APS 111, also known as Engineering Strategies and Practice, is basically... well imagine high school English, and then replace all the (useless) stuff about literary devices with stuff about design. This is the course that teaches you how to communicate as an engineer, and a bit about how to think as an engineer. Every lecture, which takes place in the “oh so spacious” Convocation Hall (which you will want to burn down in a short span of time), is painfully boring. These lectures also use the wonderful $40 iClicker devices to track attendance, worth 3 percent, but prepare to watch the number of people clicking in drop from 800+ at the start to around 200 near the end of the term because of how dreadful it really is. Since these marks are purely based on participation, always choose solution E, especially when it isn’t an option. As for the rest of the course, you will be put in a group of your peers, and will be assigned a fake client with a fake problem to try to solve over the course of the semester. In response to this problem, your team will churn out mountains of paperwork about how you arrived at your solution, and dedicate around 2% of your final document to the solution itself. Watch out – how well you work with your group is going to reflect on your mark. Do your best to resolve any problems with the group, do your part(s), edit theirs, and try to make that one person that just churns out utter garbage do something (every group has him/her). Overall, it may seem boring or useless, but it’s worth every bit as much as every other course and some of the material may turn out to be useful in the future (probably not). Also, keep your engineering notebook (your diary of ESP) up to date – it will come in handy next term.

APS112 - Engineering Strategies & Practice II
In APS112, you are given an actual client with a real-life problem, and once again, are expected to write volumes about the design process. This time around, though, lectures are a lot more interesting (sometimes even bearable), and your project should be a lot more fun. As far as the project goes, make sure to communicate well with your client. They have a hand in marking you, and most of the time they are really friendly people that just want an honest day’s (term’s) work put into the solution. In addition to this, they also are the ones that know what they want – don’t guess and steer your entire group in the wrong direction – call the client, send an email, or whatever, and get it right from the source! And the best part of this course? Instead of an exam, you and your group have a presentation to give your client. In addition to this, though, you have an “individual portfolio” to create. Here you try to find evidence of self
improvement throughout the year by using examples of your
writing from the course, so save every email you send, every rough
draft you write, every document you edit and update your engineer-
ing notebook constantly (and you can use some examples from last
term too). Finally, be sure to be very cynical and discuss how ESP actually
harmed your communication abilities for full marks (and by that I mean talk about
how ESP solved world hunger).

**APS150 - Ethics in Engineering**
This is a BRAND NEW class just for you 1T4s. We have no idea what it’s about, but here’s what the
faculty calendar says:

“This course is brand new for all core eight students. It consists of an introduction to professional
ethics and the Academic Code of Conduct. Topics covered include: The theory of ethics, profes-
sional code of ethics, ethics in profession, proper use of intellectual property in the professional
and in academic settings, plagiarism, the Academic Code of Conduct and application of ethics in
practice. From the course description, this course might be similar to Engineering Strategies and
Practices, only more specific.”

**APS191 - Introduction to Engineering**
This course is only for TrackOne students. It’s a simple class and an effective one as well. This is
the one course where you don’t have to study and can still pass – just like APS 111/112 except it
involves no work whatsoever. Basically, all you do in this class is sit and listen (or sleep if you can
pull that off), and then fill out a survey about Skule™. MAKE SURE YOU PUT YOUR STUDENT NUM-
BER CORRECTLY! The reason: you may ONLY SKIP THIS CLASS 4 TIMES IN THE TERM. If you miss
more classes than that, you must repeat this class again which I doubt anyone would like to do.
The surveys act as an attendance sheet, and that is why it is vital to put the right number. Now
this is what you do in the course: seeing as how all TrackOnes should be undecided about which
discipline they want to choose, they watch presentations from the Core 8 disciplines. Woohoo a
class where you sit and get profs and/or special speakers to entice you into their discipline. This
is a lecture where they give out chocolate for participation and has no course evaluation sheets.
Who doesn’t like taking candy from a stranger?!

**CHE112 - Physical Chemistry**
This is unlike any chemistry course you have taken in high school. Forget organic chemistry and
try to recall what you know about thermodynamics. The course also won’t have any real labs;
instead you’ll have problem sets. Yay? As boring as that is, it is important you do them before the
tutorials to understand what’s going on. It starts with gas laws, then it moves onto thermodyna-
mics, equilibrium, and finally just a little bit of electrochemistry. Two things are really important for
this class: a) Dimensional Analysis: make sure your units work out, and b) go back to the definition:
use the basic mathematical relationships to solve the problems if you can’t see the solution
right away. Really, the calculations are simple, but the tricky part is the concepts. Each question
will require thought; following an algorithm will not work! And if you can’t understand the wordy
definition for enthalpy or entropy, that’s really more of an Artsci thing anyway; know the math-
ematical definitions and concepts! Of course, this class is designed for the CHEMs, however, the
CIVs, MINS and MSEs are dragged kicking and screaming into this as well. But don’t worry if you’re
not a CHEM, you might find some of this stuff useful and practical.
**CHE113 - Concepts in Chemical Engineering**

After completing first semester of chemical engineering you may be feeling pretty good about yourself, depending on how many courses you are repeating. CHE113 aims to provide an overview of the chemical engineering program. The course is divided into two separate modules, Chemical Industry and Energy & Environment. While the course is weighted more into the Industry module, each one presents its challenges. The course doesn't have a textbook (yet) so attending lectures is crucial as the posted slides alone will not get you very far. The mandatory weekly tutorial will provide a problem set relating to the lecture material for that week and there will be a quiz at the end. The tutorial is a great place to ask for help from the TAs or Prof and to work in groups to help each other. The lab session is another story, all those touchy feely happy moments from the lectures are gone and the true intimidation of first year engineering shows its face. Each lab session lasts around three hours and there is a pre-lab quiz before each lab. Study the provided material well for these quizzes as they do count for a decent amount of marks. While many labs are interesting and enjoyable, the lab reports are not pleasant. A tip for the labs: do them early and help each other (outside your lab group). There is nothing like guesstimating data three hours before the report is due. Get used to the Chem Eng Lab – you will be spending a lot of time there in the next four years.

**CIV100 - Mechanics**

The course where things don't move and the exams are similar every year. This course revolves around the assumption that the sum of all forces and moments are equal to zero ($\Sigma F = 0$) in all the directions, x, y and z. Yes, you deal with 3-D! You’ll learn to solve for the forces in things from trusses to pulleys. The course load isn’t that demanding and the concepts are not too difficult to grasp, but the trick lies in the questions. They require a little thought and a lot of practice to wrap your head around. Also, make sure you know different types of supports function (e.g. pin vs. roller). This class teaches you the basics of civil engineering, such as making shear-moment diagrams, solving for zero force members and deciding which beams are most suitable for the job.

**CME185 - Earth Systems Science**

CME185 is all about rocks, maps, and more rocks! Some of you may like rocks so much that you’ll end up licking them in the labs. From first hand experience, it was tasty. The course actually covers more than just rocks: you’ll learn all about rocks, mountains, volcanoes, earthquakes, even weather, climate, and energy. There’s only one lecture a week and the workload isn’t very much, so you don’t have an excuse to slack off. Be sure to attend all the labs and tutorials in order to understand the mapping portions and don’t be afraid to ask questions. The geology help centre is also another useful tool to get extra help. None of the material is particularly difficult, but the course covers a large range of topics. For all 15 of the MIN students in first year, this is the course for you. Unfortunately, CIVs have to take this too to fill the rest of the room. If you like rocks, great; if you don’t, just be glad this is the closest thing to an Artsci course you’ll take all semester so you won’t have that much of a workload.

**ECE101 - Seminar: Introduction to Electrical and Computer Engineering**

If you picked ECE out of pure preference, then you will enjoy this course. This course will introduce you to the world of Electrical and Computer Engineering! Every week there will be a new speaker lecturing about the various careers.
you can pursue in ECE. You will have to attend and pay attention to the lecture, as you will have to write an online quiz based on the lecture's topic. It is not difficult at all, however if needed, notes will help. Like most seminar courses, lectures will range from boring to amazingly exciting (Rubik’s cube solving robot anyone?). This course will be the single easiest course you will ever have, so have fun.

**ECE110 - Electrical Fundamentals**
This is exactly what you would expect an ECE course would teach you. It is divided into 2 parts. First is Electromagnetic Analysis. You may remember learning some stuff here from high school, but it goes a step up (have fun with solenoids). Most people tend to do poorly on this part maybe because of the many formulas that you have to memorize. Yup, that’s right, no formula sheet! Don’t worry, some formulas you can derive on your own – you’re an engineer! It’s like a great big puzzle just waiting to be solved. If you do poorly on this part, don’t stress – you have Circuit Analysis next. The name speaks for itself. This part is all about practice, practice, practice! Next are the labs (20-25% of your mark). Be careful of where you sit in the lab because you will be stuck with the TA for that section for the rest of the term. Most TAs will give you 100% but there are always one or two that grade harshly. Tutorials are hit or miss. Your TA can REALLY help you out, but not all TAs are the same.

**MAT186 - Calculus I**
This course is sometimes referred to as the “easy calc.” And for the most part, this is true. Most of the course is review from high school and if you still remember the basic high school calculus, this is no problem. Towards the end, the Fundamental Theorem of Calculus and integration is taught. If Professor Burbulla is coordinating the course; the tests and exams will be very similar to previous years. If you do the assigned homework, follow along in classes, and review the posted past tests and exams, you should have no problem with this course. If you do find that you do not understand the material, go to tutorials. The TAs are qualified and most of their tutorials are empty anyway so it will be like a 1-on-1 lesson. Enjoy the ride though, because MAT187 won’t be any easier!

**MAT187 - Calculus II**
So you passed first term – good job, but Calculus II is much harder than Calculus I. If your grades drop from the first term or from high school, don’t panic: this is normal. Of course, there will always be kids in your class that will understand everything, and there is always someone that scores 100% on the exam. If you are struggling, befriend these gifted individuals. Like Calculus I, the exams and tests will be similar; however, the content is much more difficult. The course begins with integration techniques, it then moves onto differential equations, polar curves, and vector calculus. Doing the assigned homework assignments is probably not enough to get a good mark in this course. Instead, you should do as many of the suggested problems and go
Core Eight
Anti-Calendar

to the tutorials. Tutorials are sparsely attended so you will have plenty of time to ask the questions that you have to the TA. With all the work in semester two, it's easy to forget about calculus because it was so easy in the first term. Don't slack or your engineering future may hang in the balance!

**MAT188 - Linear Algebra**

Linear Algebra is a funny course where you don't have to understand anything in order to get a decent mark. This is a highly theoretical course and many of you will wonder why we need to know these proofs or what the point of anything of this is. If you have been doing the assigned homework and going to class and tutorials, you should handle the first two term tests easily. However, if you haven't been following along, you will be in trouble. Especially near the end of the course, the material is highly theoretical involving vectors, subspaces, spans, basis and multiple dimensions. Don't know what a subspace is? That's not a problem; I still don't know what a subspace is. If you don't understand what's going on, my advice is to look at the past tests as they are very similar, and memorize the solutions. Also, be sure to keep good notes and memorize how to solve a similar problem that your prof may take up in lecture. I hate to recommend memorizing things, but a good memory is vital in linear algebra if you don't understand the theory parts. If you do, congratulations, good for you and keep up the good work. Aside from the theory, linear algebra really is practical for engineering computations in upper years so if you can learn some of it, it will come in handy.

**MAT196 - Calculus A**

This is a challenging course, and one filled with struggle after struggle. Let's begin with the fact that you are not going to use any calculators. Yup, imagine doing math with no calculators. The course content isn't too different from Calculus I, but the midterms and exams are known to be a lot more difficult. Start memorizing/deriving your TRIG! Regarding TAs, some can be really helpful, others can really mess an entire tutorial class up. If you have Prof. Shai Cohen, he'll probably tell you more about that. Oh yes, Shai Cohen, honestly if you want him to teach you, the best way is to go to his office hours. There he helps you out the most! If you have him as your Prof, expect a few delays and bumps because he does like to rant about the Bahen Centre and says baseball is not a sport! In this course you do some high school review with limits and trig. Then it gets into derivatives and finally some basic integrals. If you have any troubles with these, I highly recommend going to one of the best websites in the world, wolframalpha.com.

**MAT197 - Calculus B**

If you are taking this course that means you passed MAT 196! Good stuff. Calc B picks up right where Calc A left off and keeps on integrating with new techniques. After that you'll get started with learning about convergence and divergence of sequences and series. Finally you finish the course with vector calculus. This course is not as difficult as Calc A. The midterms will be quite difficult and will require lots and lots of studying! The exams, however, will not be too difficult as it usually depends on the average of the midterms (if it's around 60% then expect an easy to moderate final exam) and maybe followed with an insane bell curve. I highly recom-
mend that you keep up with your homework and study hard if you want to do well!

**MIE100 - Dynamics**
The first half of this course isn’t bad, just a bit of high school review with a few more details. Of course you know $F = ma$, but that sacred equation extends farther than you think. When you reach the second half of the course all I have to say is practice and do your homework. The key is to get your marks in the first half and do your homework. Also it helps if you make a good formula sheet and put some examples on it. The tutorials are very useful, they tend to give you solutions to previous exam questions. I recommend that you take advantage of the previous exams, tests, quizzes and problem set solutions. If you get stuck on a specific problem they tell you how to get the solution, but that doesn’t mean that you shouldn’t ask your Prof or TA for help. If anything you should make your formula sheet as you go along in the course.

**MIE191 - Seminar: Introduction to Mechanical and Industrial Engineering**
For the Mech and Indy students, this will possibly be the easiest thing you’ll be doing all year long: sitting and listening. This course, like many other seminar courses, tells you about the different fields of careers possible with a mechanical or industrial engineering degree. No homework, and only one hour long weekly lecture. Attendance is taken so do not skip more than 3 lectures or have fun sitting through another weekly seminar course next year. Also, there is a quiz taken on the last lecture involving simple questions from some of the lectures. Basically, listen if you’re interested, or catch up on all that precious sleep you’ve missed.

**MSE101 - Introduction to Materials Science**
Materials Science Engineering 101 is an introduction to Materials Science that all engineering students other than EngSci, ECE and TrackOne have to take. It covers molecular structure, chemistry, phase diagrams, stress and strain, and also fracture mechanics which are all essential in engineering. You also learn a few party tricks that may or may not make you popular. The course has the most work, labs, and evaluations compared to any other course in first year. The lab reports are long and tedious but the marks are easy to get if you follow the instructions. The tests can be challenging and so studying throughout the course is necessary to do well on all three. The quizzes are good practice as they aren’t worth a lot of the mark. The last thing to be wary of is the bell ringer where you have 60 seconds at a station to answer a question. The best advice I can give you is to not get hung up and depressed over not getting a question and focus on the question at hand. In the end, it isn’t worth a whole lot of your mark. You will enjoy the demonstrations in class especially if you have Prof. Ramsay. Despite the work load though, the course is actually really practical and there is a lot of useful knowledge taught in the course. Suck it up and do the work, you might just learn something!
BME105 - Systems Biology
Maybe you have always dreamed of becoming an engineer, and so you never took biology courses beyond Grade 10. Well, those who did decide to take Grade 12 Biology are in luck. BME105 is mostly a review of high-school biology, with perhaps more depth. However, with the fast pace, some students who never learned the concepts may find it difficult to keep up with the course – fortunately, the weekly quizzes, midterm, and final exam are all open-book to make everyone’s life easier. A good piece of advice is to print out lecture slides that are posted online before each lecture, and perhaps take additional notes on those. Generally-speaking, much of the class doesn’t show up to lectures, opting for reading off of lecture slides which are sufficient to read over for quizzes. The lab component of the course is almost relaxing as the TAs will guide you through each procedure, although taking lab notes will be useful when it comes time to write your final report.

CIV102 - Structures and Materials - An Introduction to Engineering Design
Most people associate engineering with the idea of designing buildings. Lo and behold, CIV102. Perhaps the most challenging, but memorable course in your first year is about the art and science of structural design and choosing appropriate materials to sustain or resist forces. Professor Collins is well-known for his entertaining storytelling that leads to each lecture topic, as well as his famous quotations. Keeping good lecture notes (since there is no textbook) and reviewing them regularly is essential in order to do the weekly problem sets and quizzes. The final exam can be worth 100% of your final mark if it is greater than your term mark; however, keeping up with course material can be a challenge even if you do the problem sets and quizzes, so skipping them is highly unadvisable.

CSC180 - Introduction to Computer Programming/
CSC190 - Computer Algorithms, Data Structures and Languages
Targeted towards students with no prior computer programming experience, CSC180 will be tremendously easy for those whom have taken computer science courses in high school. You will learn syntax and how to write programs, but at a faster pace and in more detail than the Core 8 engineering students. A continuation of CSC180, CSC190 has a focus on algorithm design (e.g. linked lists, stacks, queues, and trees), and will be more difficult than the first semester. Be sure to allot your time appropriately – if your program does not compile or work properly, there are few part marks given, so it would be a better idea to work on documentation explaining how you else you would have done the assignment and get marks that way. You may find large crowds in the Linux labs the day before an assignment is due, along with smug classmates who took CSC192 and are enjoying their ArtSci elective. There will probably be a significant bell curve by the time final marks roll in.

CSC192 - Computer Programming, Algorithms, Data Structures and Languages
Designed specifically for students who took computer science courses in high school, this is an accelerated version of CSC180 and CSC190 combined. Since
the midterm and exam are open-book, fully understanding the material takes precedence over remembering syntax. CSC192 does not cover as much detail as CSC180/CSC190, so you may find yourself thankful by the end that the difficult concepts were merely brushed over. You will also benefit from the free ArtSci elective, and thus a lighter workload, in the second semester. Tutorials are optional in attendance – the TA will cover some topics to supplement the course material, and may even provide hints on how to do assignments. There are also weekly labs that account for a small fraction (6%) of your mark, a midterm, and final exam.

**ECE159 - Fundamentals of Electric Circuits**

Some agree that ECE159 is the hardest course of second semester. Among the topics covered are Kirchoff’s laws, Thevenin and Norton circuits, source transformations, first- and second-order circuits, phasors, coupled inductors, op amps, and multiphase AC. Test and exam questions will be more difficult than the ones in the textbook, so it’s important to practice as much as you can. Prof. Iravani has a clear way of explaining concepts, and has good lecture notes to supplement the textbook, so lecture attendance is especially advisable. Be sure to keep up with the course as much as you can, because the concepts pile on top of each other and it can be very difficult to catch up.

**ESC101 - Praxis I**

The main focus of the course is on developing a personal philosophy of engineering design, and backing up your arguments with sound evidence. As you continue through the course, you may find yourself questioning the credibility of an argument in your regular life, and constantly asking for justification to back up a claim. The course will appeal to some for its encouragement of free thinking; others will be reminded of English class and find the lectures/course in general to be pointless. You will be asked to keep an online design journal to track your growth as an engineer, and writing in it will certainly help you on the final exam. This is the most writing-intensive course in first year, even compared to its more design-oriented follow-up, ESC102.

**ESC102 - Praxis II**

There’s still a bit of writing in the first half of Praxis II: you will identify a design problem and write a request for proposal (RFP) for solutions to said problem. The second half of the course is essentially finding solutions to selected RFPs within the class, culminating in a Design Showcase at the end of the semester that is open to the public. You will still be asked to write in your online design journal (only this time it’s directly worth 25% of your mark!). Tutorial attendance is optional, aside from the topic presentation and design critique. You may find it useful to discuss your design solution with your TA for feedback, to avoid being drilled by your assessor when the Design Showcase comes. Beware of overpriced poster printing for the Showcase; note that some places are substantially cheaper to print at, some will charge extra exorbitant fees, and using the old-fashioned cut-and-paste method with Bristol board is always cheapest but

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sometimes time-consuming.

ESC103 - Engineering Mathematics and Computation
This course contains some review of high-school vectors and matrix algebra, as well as miscellaneous mathematics concepts such as integration approximations and complex numbers. There is no textbook for the course, although looking up the concepts and sample problems online may be helpful. Some tutorial sessions will consist of going over previous years’ midterm and final exam questions, which are largely similar every year. Other, mandatory, tutorial sessions involve completing assignments in MATLAB, a software tool for mathematical computation. Either way, attendance at all tutorial sessions is recommended as they will be helpful in exam preparation – and the midterm and exam are collectively worth 90% of your final mark.

Free Elective
Having completed CSC192, you are presented with a unique opportunity among engineering students, the ability to choose a free elective in your first year. As its name suggests, you can choose any course within the Engineering or Arts & Science faculties, although engineering courses are reputed to be more difficult. Look through the course calendars and consider your interests, but be warned that your elective must fit into your preset core timetable for the second semester (available in August) and not coincide with exam periods, thus limiting your options greatly. Register for your elective as soon as possible – while you get second pick compared to artsies, watch for the first day for registration for non-A&S students. Being waitlisted for a course can still mean you will eventually get a spot, as artsies like to drop their courses. If there is a prerequisite for a course such as “one full credit in arts and science”, it can be waived if you ask the course coordinator. You might also want to know that any AST course equals free marks.

MAT185 - Linear Algebra
The concepts covered in lecture are relatively abstract compared to your other courses: vector spaces, determinants, eigenvalues, and systems of differential equations. Tutorials can be useful depending on the efficiency of your TA in solving sample problems. Examples in lecture will be useful to look over to get a sense of what the test questions will be like. The required text solely contains practice problems. There are course notes posted online that some students may find useful, even if they amount to a great deal of reading. Your mark is based on the best 2 out of 3 midterms, and the final exam. Beware of slacking off as the material will come in handy in second year and beyond.

MAT194 - Calculus I
Like many other courses in first semester, this is mostly high-school review of calculus. You’ll (re)learn how to find the derivatives of sinusoidal functions, natural logs, and whatnot but with a catch – everything must be proven rigorously. You will grow to despise (or perhaps love, for you nerds) the word as you are asked to provide rigorous proofs or go through a lecture dedicated to the proof of one theorem that you learned in high school. To quote Prof. Stangeby, you
have been chosen as one of the sharpest minds of your generation to guard the essential but utterly useless knowledge that is $\varepsilon$-$\delta$ (epsilon-delta). Midterms will be among the most difficult you will encounter. Tutorial attendance is mandatory because of weekly quizzes, which are questions selected from the textbook problems.

**MAT195 - Calculus II**
As opposed to first-semester Calculus, this course is completely fresh material not covered in high school, including techniques of integration, sequences and series, and multivariable calculus. Quizzes will thus be substantially more difficult than MAT194, and, again, tutorial attendance is mandatory. Practicing textbook problems is essential. The final exam will be impossible to complete within the 2.5 hours but not to worry – there are, again, significant mark adjustments in this respect.

**PHY180 - Classical Mechanics**
The majority of this course is a review of high-school physics: linear and angular kinematics, springs, work, momentum. As long as you understood Grade 12 Physics (which you probably did, hence why you are in EngSci), you will find the material tremendously simple. Demonstrations in class will provide a relief from the monotony of lectures, particularly if the class decides to talk while the lecturer covers basic high school-level material. The weekly online problem sets require some thinking, but are doable as you are given 4 tries to submit – completing problem sets in groups is often helpful as well. The biweekly labs and the proceeding lab write-ups will involve some fair investments of time, especially the error analysis portion. Tutorial attendance is optional, other than 2 bonus pop quizzes during the term. The rest of your mark depends on two midterms, an error analysis test done online, and a final exam.
Congratulations Frosh of 1T4 for your acceptance into our grande olde institution. As you are reading this, I am sure you will be bombarded with tidbits of information and words of wisdom from those who have come before you. You may also be wondering, what in the world is Skule™?

Indeed, it is a bit silly that we poke fun at Engineers’ collective inability to spell, and make it a trademark of the University of Toronto Engineering Society which you will soon become a part of. But this is the essence of our tight-knit community. We are just a group of fun-loving students who happen to be overworked by the demands of Engineering.

I first came to the University of Toronto in awe of its great academic reputation. After three years of school and a PEY term, I am in love with Skule™ because of the great community, diverse student clubs, and the amazing student life experience.

You see, university is not all about grades and courses. It isn’t all about just getting a degree and moving on. The people who you meet at this university will become your friends for life. The things you do here can jumpstart your career, or form memories you will forever cherish.

Classes are important, of course – but you must understand that you can’t learn everything in a classroom. The things you experience outside the classroom – forming new friendships, participating in student competitions, leading student groups and gaining more people skills – these are all things that will benefit you in life far greater than any grade you get in your Calculus class.

When you finally get to the steps of Convocation Hall for your graduation, you won’t be remembering the time you got a 60% in first year Thermodynamics – you’ll be remembering all the great times you had with your friends and in the Skule™ community.

You are now faced with a great opportunity – perhaps no greater opportunity will exist in your lifetime – to shape your future into something that you want. Skule™ is here for you, to find a place where you not only belong, but to excel and to improve. Only you can seize this opportunity, and make it into something that you will truly benefit from.

It is never too early to be involved. From Day 1, your leaders and your classmates will be looking for things to do and find clubs to join. This university has no peer in offering the breadth and depth of student activities – you just have to poke around, take chances and don’t be afraid of asking people for help.

When you see some of our great traditions, like the loud-but-spirited Lady Godiva Memorial Band, or the Mighty Skule™ Cannon, or the ever-so-secretive BFC (who?), you will understand that Skule™ is more than just a place to study and go to class – it is also a place to form new friendships and enjoy some of the best years of your youth.

Good luck, and remember to have fun!

Kevin P. Siu (EngSci 1T0+PEY)
President, University of Toronto Engineering Society
VP Finance - Ryan Bradley
Congratulations to you all and welcome to Skule™! The role of the VP Finance should be obvious – it deals with money, of course. This encompasses all aspects of the Engineering Society, as every club and initiative needs some sort of funding.

The VP Finance deals with the budget, including our revenues, expenses, assets, and donations to Engineering. Through these funds, we provide a wide range of services, from academic help to student clubs to annual events.

We also run a swath of commercial services – including the Engineering Stores with all your essential Skule™ gear, the Sandford Fleming Building cafeteria (aka “The Hard Hat Café”), as well as the ever popular Friday night hangout, Suds.

Much of this money comes from your student fees, and you should take this opportunity to get the most out of your money. Get involved with our clubs and initiatives, and join us in making Skule™ a better place to be.

We always welcome your input and presence – feel free to stop by any time at the Engineering Society Office, and we will help you with any of your questions or concerns. Good luck at Skule™!

(written by Kevin on behalf of the injured Ryan Bradley)

VP Communications - Abhishek Mathur
Froshers!! Congratulations on being accepted to a world-class engineering institution. This institution is not just recognized academically, but also known for our engineering spirit! University of Toronto Engineering ranks #1, over Massachusetts Institute of Technology, Stanford University and University of California in ... being AWWW-SOME! Yup, that’s right ... that information is ... legit ... I think.

Well now that you made it this far, it’s time for you to shine and show the world that engineers really do rule the world.

Just a couple of things that you should know before you come to Skule™!
1. You were the smartest kid in your high school ... you will find tonnes of people that are smarter than you here. Don’t get discouraged!
2. Skule may seem boring because all you do is work. Get involved!
3. You may feel you don’t know anyone at a faculty 4700 students big. Meet people!
4. You are EAGERLY waiting to start engineering at U of T. ATTEND ORIENTATION!

Basically, enjoy your time at U of T Engineering.

Okay, enough about you. Here’s a little about me:
I am in Mechanical Engineering 1T2. I am also your Vice-President Communications. My job is to let you guys know of everything that is happening. All the mass mails are sent by me, along with
Officers’ Messages

the Skule™ Digest. I am also supposed to manage the Skule™ website (www.skule.ca). I oversee the four engineering publications (F!rosh Handbook, Skulebook, The Cannon, The Toike Oike) and the four internal operations (Computer System Administrator, Webmaster, Engineering Communications Director and Archivist). I maintain the Engineering Society documents (agenda, minutes etc.) and a whole bunch of other Officer stuff.

If you want information on ANYTHING, shoot me an email @ vpcomm@skule.ca and I will have an answer for you.

VP Academic - Yi Wei Ang
Hey 1T4s! Welcome to the world of Skule™!

Engineering at U of T is tough, and we know it. That’s why we have resources in our Faculty and our Society to help you throughout the years! As the VP Academic, I am responsible for ensuring that you have access the academic resources you need to help make your academic life at Skule™ a pleasant one! From Exam Databases (courses.skule.ca) to Professional Development Workshops, to Career Fairs (yourenext.ca), we have it all!

For most of us here at Skule™, we fall short of our own expectations with an assignment, quiz, a midterm, or even a final. However, there are many resources from our Faculty and the Engineering Society to get you back on your feet. All you need to do is ask! Feel free to talk to your Teaching Assistants (TAs) or your instructors to see if they can spare some of their time to explain a concept that you don’t quite understand after class. The Engineering Society also has a tutoring database set up to connect you with student tutors to suit your needs (academic.skule.ca)!

We also have a plethora of clubs and competitions at Skule™ that are here to supplement your academic experience. Competitions such as the University of Toronto Engineering Kompetitions (UTEK) are here to put your academic knowledge to use in a practical environment! Go to skule.ca for a list of clubs in Engineering!

If you have any questions whatsoever about your academic life here at Skule™, do feel free to email me at vpacademic@skule.ca or stop me in the hallways. I’ll be more than happy to point you in the right direction!

VP External - Mauricio Curbelo
Welcome to Skule™!

It was only a year ago I was reading my F!rosh Handbook, with my thoughts alternating between “these courses sound brutal” and “our mascot is a working cannon?!” While I expected the academic challenge, I did not expect the vibrant student life.

If there is one thing you take away from this message, it should be this: at Skule™, there is something for everyone. Discover what you like doing, look for opportunities to do those things, and give everything your best effort. If you take that approach, you will leave Skule™ not only with your iron ring, but with the satisfaction that you got the most out of your time here.
And whether you become “involved” or just come to school to study, the Engineering Society is there to support you. EngSoc runs Frosh Week, an exams database, a career fair, two newspapers, the Engineering Stores, Hard Hat Café, and SUDS (our pub), funds clubs and teams, and publishes this Handbook. You’re all members of the Society, and if you become involved in EngSoc, you’ll have a chance to help others get the most out of their years at Skule™.

About myself: I’m your EngSoc VP External. I represent you at external organizations, let you know about opportunities with external groups, and implement other schools’ best practices here at U of T. Wondering what some of those “external groups” are? You’ll have to look up these acronyms: ESSCO, CFES, PEO, and OSPE.

Best of luck with your time at Skule™!

VP Student Life - Albert Huynh

Wake up, go to school, eat, go home, do homework, sleep. Rinse and repeat. Multiply that by 4 years and you’ll find yourself wondering where all of your time went.

Above all, university is an experience, and for most people, it only happens once in a lifetime. It’s a chance to learn, grow, and take risks; and not just in the classroom. At U of T, we’ve got one of the largest and most diverse engineering communities in Canada; where better to explore your passions? Design teams, cultural clubs, intramural sports, charity organizations, musical ensembles, hobby-based clubs, theatrical showcases; you name it, we’ve got it!

Extracurricular activity is not only a great way to explore areas of interest that you may never have looked at before, but it can also build essential life skills: teamwork, communication, time management, and leadership. Not only does the faculty take these qualities seriously in their curriculum, but it’s also these traits that are going to catch the eye of employers down the road. So why not take the opportunity to join a club and build your skills firsthand?

Engineers will always be busy, but at the end of the day, you really have to ask yourself what you want out of your university experience. I’m not saying you should do everything, but just find one or two things that you’re genuinely interested in, and pursue them; you’ll be much happier for it! Most importantly, don’t be discouraged because you’re in first year, it’s never too early to get involved. Want to know where to get started? Or maybe you want to start your own club? Feel free to contact me at vpstudentlife@skule.ca or follow me on Twitter at vpstudentlife!
Discipline Clubs

Chemical Engineering Club
Simply put, Chem Club is the go-to resource for all your chemical engineering student needs. The first year of university is never easy and we make every effort to support the chemical engineering student body both academically and socially. We organize barbecues, smokers (book exchanges), a dinner dance, talent shows and other charity initiatives. Sporting events traditionally include soccer and basketball tournaments and this year we plan to introduce football, foosball and ping-pong into the mix. Chem Club also provides course packs, chem patches and the always-popular Chem Club t-shirts. The Chemical Engineering Common Room is located in WB 238 and is one of the largest student common rooms on campus. It has a boardroom available that can be booked for meetings, practice presentations and study groups. There is also a tv, microwave, foosball table and vending machines filled with a variety of drinks and snacks, so make sure to make use of this excellent student space! What makes Chem Club so exciting is that the people involved are sincere, hard-working and approachable. Our team always encourages students to join as honorary members and contribute their ideas to our events. So come out, get involved and help make these coming years something to remember! Information on all our events can be found on our website: chemclub.skule.ca.

Civil Engineering Club
Civil Engineering, I Choose You!
Hello Class of 1T4, You are finally old enough to begin your Civil Engineering dream.
Welcome to the wonderful world of Civil Engineering. Along your four years of adventure of Civil Engineering at U of T, you will encounter a variety of new friends. Though the road ahead will be long and difficult, your friends in Civil Engineering will help you succeed. If you wanna be the very best, like no one ever was come and participate in all the fun.
The Civil Engineering Club is here to accommodate the needs of civil engineering students both socially and academically. We host monthly socials (aka “smokers”), Annual Dinner Dance, Annual Interdisciplinary Sustainability Forum, and ski trips. As well as participating in The Annual Great Northern Concrete Toboggan Race. The Civil Engineering Common Room has comfy leather couches, a foosball table, microwave, and various “borrowed” street signs. It is a great place for students to socialize and study. You will meet your classmates and upper years of your program. We provide the tools for your success. We are here for you! It is up to you to make the most out of our club.
Come with me, the time is right. There’s no better team. Arm in arm we’ll win the fight. It’s always been our dream. Gotta Reinforce ‘em all!

Electrical and Computer Engineering Club
Hello ECE 1T4 Frosh! As an ECE undergraduate student you are automatically a member of the ECE Club. What does this mean for you? First off, your Class Reps and ECE Club executives represent your interests at monthly department meetings. We also run a variety of events throughout the year: BBQs, smokers (which are casual get-togethers with cheap food and drinks), course selection mixers, foosball tournaments, and more. We support events organized outside the Club, so if you’re thinking about organizing an event for your class, let us know! The pinnacle of the ECE social calendar is the annual Dinner Dance, which is a great
excuse to put on a dashing suit/hot dress, meet with professors in a social setting, and dance the night away with your friends.

The ECE Club office is right next to the common room, in SF B640. Drop by and we'll be happy to answer any questions about ECE, your courses, and how to get the most out of your time at U of T. Also visit our booth during the Clubs Fair, and buy ECE T-shirts and patches! If you have any questions, you can email us at ececlub@skule.ca, or check out our website for more info: http://ece.skule.ca.

Common Room: Basement of SF, with an arcade machine, foosball table, comfy couches, and the cheapest pop on campus. The access code is sent to your ecf email. The ECE study room is in BA 1120 which has large tables, leather chairs, and plenty of outlets – perfect for study groups.

**Engineering Science Club**

Welcome Eng Sci F!rosh of 1T4! You are now officially members of the Engineering Science Club. We are super excited about it, and you should be too! The Eng Sci Club has two main jobs. The first is making sure that engineering science students are represented fairly on EngSoc, faculty and departmental decisions, and the second is managing the common room and organizing the best discipline club events (dinner dance, ski trip, book smokers, anti-options talks, movie nights, and foosball tournaments). Some highlights to your (automatic) membership in the Eng Sci Club are access to the best common room on campus (big screen TV, surround sound, 2 foosball tables, and more, so come check it out!!) and an epic dinner dance along with many more events to mingle with and gain precious knowledge from upper year students, many of whom will prove to be great friends! We can't wait to meet you all during F!rosh week and please feel free to become a “fan” or "like" the Engineering Science Club on Facebook in the meantime! Then you can even bombard us with questions before we meet! We will also need a few first year reps to join the team in September, so keep an eye out once school starts if you are interested!

Sincerely,
Your oh-so-excited-for-PURPLE-crazy-F!rosh-week-AWESONESS-time Eng Sci Exec

**Industrial Engineering Club**

Hello Industrial Engineering students, and welcome to your first year at Skule™! We, your faithful Indy Club, are here to provide you with whatever we can to make your next 4 (or more) years the best they can be. To that end, we provide locker space, helpful course materials, professional development courses, and Indy paraphernalia, as well as being your representation on all matters academic. Also, we organize a slew of events, which are a great chance to meet other Indy students in your year and higher as well as gain tons of other good stuff from the experience! Some of these events include textbook swaps, barbeques, the annual MIE coffeehouse/talent show, and the wildly awesomely mind-blowing MIE Dinner Dance! To find out more, just contact indy@skule.ca, go to www.indy.skule.ca, or better yet, become part of the magic by running for class rep in September!
Discipline Clubs

Mechanical Engineering Club
Hello & welcome U of T engineers! On behalf of the Mechanical Engineering Club, we would like to welcome all of you. We hope that your Frosh experience will be a memorable one.

The Mechanical Engineering Club represents the Mechanical Engineering student body to the faculty and department. We are your point of contact for any issues you may want to voice about, your courses or overall experience in engineering. Each engineering year has a class representative that works with the Mech Club to communicate any troubles that may arise due to course curriculum, test schedules and professors. Be vocal – we are here to help!

We are also here to help on the lighter, more social side of being at Skule™. Throughout the year the Mech Club brings events ranging from networking opportunities, textbook swaps, BBQ’s, shinny hockey, ski trips to the Mechanical & Industrial Engineering (MIE) Dinner Dance. We hope to see you out at the events!

As a mechanical engineering student, you are automatically a member of the Mech Club, and your input, help, and participation is always more than welcome. In fact, we are currently looking for class representatives for the FROSH class! Help us run social events, represent the student body, and make engineering fun!

Above all, we would like to wish you an enjoyable engineering experience. See you at Skule™!

Mineral Engineering Club
We may not be big, but…? During your first year as a MIN you might feel like you are all alone in classes full of CIVs. But, fear not, there are more of us out there! That is why you are encouraged to attend MinClub events where you can meet the other MINs in your year as well as upper year students. MIN is the smallest of the disciplines which makes us one big, happy, rock loving family. Come to the common room to hang out, buy used text books, get help with your assignments, or meet our mascot, Billy the Goat. Also, if you are interested in getting involved in Skule™, but don’t want any real responsibilities, don’t forget to run for First Year Class Rep. Some of our usual Min Club events include a Canada’s Wonderland trip, keggers, Monster Jam (you know… monster trucks smashing things..), and even our very own Min Dinner.

Materials Science and Engineering Club
Being a part of the Materials Science and Engineering Club is a great way to STEEL good advice for school work. 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 the MSE common room to find out about STEEL events and all that MSE club is yet to offer. STEEL.
TrackOne Committee

Hello future engineers!
My name is Anthony and I was the TrackOne Representative for 1T3. This year was by far the greatest time I’ve ever experienced. I went to UofT Engineering thinking that I’ll be a small fish in a big pond but the community is so outgoing that you’ll feel the complete opposite. TrackOne in particular was awesome with bowling, movie nights, a dinner dance, t-shirt making and lots more! The committee members worked together to make this year exciting. Mentioning the dinner dance committee in particular, TrackOne’s from all years got together to help out and make the dinner dance an amazing success that lasted all night long with tons of leftovers. TrackOne is only one year, your year to make new traditions and unique plans for the 1T4 Frosh.

Skule.ca

It’s going to happen. Frosh week will be over and suddenly you’ll realize your engineering courses actually require work, unlike the kindergarten finger painting classes your artsie friends are taking. So while you’re procrastinating away checking out your Western “psychology major” friend’s Facebook albums, check out SKULE.ca! It’s your number one resource for keeping up to date with all of the awesome stuff that happens at Skule™ all year round. You can lurk all of the recent and upcoming events, check out all of the sweet clubs and student groups, sign up for your own personalized mailing list of Skule™-goodness, and marvel at how talented and attractive the SKULE.ca webmaster must be. Come midterm and exam season, we’ve also got you covered for tons of past tests and exams for most, if not all, of your courses (artscis PAY for those). We’ve all been there, it’s first year and it’s a scary world out there. SKULE.ca is here to help.

Ombudsperson

Holla Froshies!

My name is Huda Idrees and I am the Ombudsperson for the Engineering Society. I know what you’re thinking, “That’s a strange name to call yourself”. I agree, but I don’t get to pick the name. All you need to know is I’m the person you come to if you have any feedback, complaints, suggestions or comments about anything related to Skule life. Think Frosh week was awesome but could have been awesome-er if we made one small change? Let me know! The Engineering Stores has too long a lineup for books? Shoot me an email. The Toike is absolutely ridiculous? Well, we all know that, but get in touch with me about it anyway at ombudsperson@skule.ca.

Effective feedback is what makes a student society the best it can be and without YOUR feedback, we can’t get there. So make the most out of your time at Skule™ and if there’s anything holding you back that can be changed to help you shoot for the stars, you know where to reach me.

Have a fantastic Frosh Week!
Blue and Gold Committee

You know Pokémon Blue. You know Pokémon Gold. Well the Blue and Gold Committee is better than both, and really has nothing to do with either. Hard to believe, I know...but it’s true.

There are about a billion things you can get involved with at Skule™. Yes, about a billion. Just peruse the pages of this fabulous book and you will see. The Blue and Gold committee, however, is not JUST one more thing to join...it’s THE thing to join if you like extreme building, bus tripping, BEvERage consuming, movie watching, bed racing, chariot racing, bar hopping, and just generally JAW-DROPPING fun times. If you enjoy things like breathing, being alive and rational thought, being a part of Blue and Gold events just might be the thing for you!

What does all this mean you ask? Well, the fall brings the annual Blue and Gold bed Races...this past year we DESTROYED St. Mikes College, and we plan to again (New College too, of course, but that goes without saying). We build an absolutely KICK-ASS float for Homecoming, we could tell you what it will be...but then it won’t be a surprise...soooo...you’ll just have to come out and see for yourself. We will be bussing down to Waterloo(ser) for Octoberfest, and many excellent BEvERages. We will watch movies. We will drink more BEvERages...and we might even throw in another (mystery) bus trip in there for good measure.

The start of second semester brings a week arguably even MORE fun than F!rosh week...GODIVA WEEK! How can that be? You’ll just have to come and find out...it’s full of events and BEvERages, chariot racing, pants dropping...and a few Skule™ Traditions that are ALWAYS exciting. Second semester will also find the Blue and Gold Committee busy with other things such as more bus trips, more movie nights, and many other awesome events!

So, now that you have heard about all of the awesome-tastic-ness that is the Blue and Gold Committee, no doubt you want to sign up to find out about all of these super-exciting events! Simply join the mailing list at blueandgold.skule.ca or email us at blueandgold@skule.ca!

WE CHOOSE YOU! (to be a part of the Blue and Gold committee)

It’s super-effective!

Addie Denison (MECH 1T2) & Peter Raimondo (CIV 1T1 + PEY)
BLUE & GOLD CHAIRS 2010-2011
Godiva Week

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

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

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

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

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

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

Brace yourselves and buckle up; it will be a bumpy ride.
So I heard you like Mudkipz!!!…I mean newspapers…yeah, newspapers.

Congratulations!! You’ve made the excellent choice of coming to U of T’s Skule to pursue engineering. There are so many opportunities for you here. Based on responses to assignments in my APS111 class last year, I’m fairly sure that most of you came here to avoid writing. However, I’d like to encourage you to break the ‘math and science’ stereotype and come and get involved with the Cannon!!

Known as the ‘serious newspaper’ the Cannon has been Skule’s official newspaper since 1978. For 32 years, its monthly issues have allowed the student body to express their views. It’s also been awarded publication of the year for three years in a row! However, it’s not as serious as it sounds. While it may contain articles about relevant issues, it also has tech reviews, club articles, and a newly added crossword to try and appeal to everyone’s interests.

I know you’ve all got a full schedule and might be worried about how much time you have to commit. Don’t worry, getting involved with the Cannon is easier than catching that Rattata!! Do you want to write something, but have no idea what? Just sign up for our mailing list or e-mail me and I’ll add you to it, and we will send out ideas for articles that you can write. Do you have a super special awesome idea for an article, but you can’t seem to write it? Just send it to us and we’ll find someone who can.

You might be thinking ‘but I suck at writing.’ Writing is only one part of the Cannon though! If you are interested in editing or layout, or if you have a hobby in photography, Photoshop or making comic strips, there is most definitely a spot for you in the Cannon staff.

The Cannon would like to continue the efforts of the past years to increase the amount of readers within and outside the engineering community. There is a copy of the August issue of the Cannon in your Frosh kits. We will also be sending out surveys to get your opinions and ideas for the next issues. Remember any idea is worth considering. If there’s something you would like to see in the Cannon, don’t be afraid to let us know!

Good luck during your first year, and remember to get involved!! Taking a little time to have fun and do something you like can really help to de-stress. Kick your resume up a notch and use your super article writing and layout making moves to help make the Cannon awesome! They’re super effective!!

Nicole Deen
The Cannon Editor-in-Chief 1T0-1T1

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Now that I have your attention, let me tell you all about the Toike Oike. The Toike Oike is Skule’s humour publication. We have meetings twice a month with free food and beverages. Every month we release page after page of hilarious articles, witty comics, and content of questionable legality. It’s a great way to get involved, meet some funny people, and get free stuff. When people ask you what you do at U of T, you can slip on your shades, pop your collar, and say “I’m a student of comedy.” Just make sure to pick out your escape route for when the 200 girls/guys come rushing at you. Ever tried to get away from a cheetah? Well lust is twice as hard to outrun.

So apparently your handbook theme is Pokémon. Funny things about Pokémon eh?... I have to admit I find Pokémon to be at its funniest when Bill Cosby rants about it. Actually the same goes for many things, first-and-foremost Jello or pudding. Let’s see what Soulja Boi has to say on the matter.

To be honest the idea of trapping animals and forcing them to fight until one of them dies is pretty scary, and with the addition of Pokémon like Farfetch’d and Sparrow I realized what Pokémon really was: a way to subliminally addict young kids to cockfighting (Relax, the rooster kind, the other kind is only for settling gentlemanly disputes of honor). The people who made Pokémon were just waiting for the day when we young PokéMasters would grow up to stand around in a filthy basement somewhere yelling at a scared, bloody rooster and with a wad of cash clenched in our hands, at least until we lost it all to our addiction, our uproarious yelling and determination no match for their cold, prepared business plan.

Or maybe I’m just paranoid. Because we all know that their REAL plan was to use the reward system of “rare candy” as a way to hook us on street drugs.

In my opinion the most underrated character was Professor Oak. I mean, the man got his goddamn Ph.D. by doing what?! By trapping animals and seeing which kinds were better at killing which other kinds. I don’t know if that’s sadistic or awesome, but I do know I want his job. Or even to be in his lectures.

Finally, what the hell is with the little accent on the ‘e’ in Pokémon?! Spell-check keeps bugging me about it, and it’s making me so mad I could strap Pikachu to a lightning rod and give him a taste of his own medicine.

I’ll leave my PokéRant there to wish you an exciting first year at U of T, and to say: COME WRITE FOR THE TOIKE! We love F!rosh who want to be involved in any way with us!

Navid Nourian
Toike Oike Editor 1T0 – 1T1
Skulebook
You may wonder what Skulebook is. Well, in a simple equation, Skule\textsuperscript{TM} + yearbook = Skulebook. In other words, we capture all the numerous Skule\textsuperscript{TM} related affairs that happen throughout the year and put it on paper. Some of these include events such as Frosh Week and Godiva Week, traditions such as Skule\textsuperscript{TM} Nite and LGMB, as well as dinner dances, and clubs.

Due to the large number of activities, we need lots and lots of help! So if you like computer graphics, layout designing, photography, and even caption writing, then come join Skulebook! It is a tiresome process but I guarantee you will be pleased with the results.

Feel free to email skulebook@skule.ca if you have any questions or want to get involved with Skulebook.

Frosh Handbook
Hey you, what’s the thing you’re holding right now? No, not your pokéball, what’s in the other hand? The Frosh Handbook, silly! It’s production starts after you’ve received the final badge of first year (AKA exams), or sometimes a bit earlier. The Frosh Handbook is the ultimate, official and (sometimes) complete companion to give you a step-by-step* walkthrough of your time in the Skule\textsuperscript{TM} Region. Whether you think this guide is awesome-tastic or extremely mis-guided (get it?) you should go help out with handbook next year. Trust me, put down your pokégear and email your friendly neighbourhood handbook editor, they’ll definitely need the help. Think about it! Who was Ash without Brock and Misty? Just a lonely kid playing with a pet mouse. The 1T5 Frosh Handbook editor will be elected in April 2011, so make sure to keep your eyes and ears open and you can be the next Frosh Handbook MASTER!

* not really, but who wants a book telling them what to do anyway?
If you want to play sports this year then look no further, EAA is here to help. Whether you are athletically inclined or not, seasoned pro or absolute beginner, there is something for everyone!

EAA gives you access to all the intramural sports, programs and competitions offered through the university. We offer the classic sports including rugby, soccer, hockey, basketball, and the not-so-classic-but-equally-awesome inner tube water polo and broomball, just to name a few.

Sports are an escape from the boring world of problem sets, assignments and reports, and believe us, you will want to escape. Skule™ sports offer you the chance to exercise, but also to socialize with peers and other students in Engineering. Don’t forget about our athletic banquet known as S-dance, the spring social event where all the outstanding athletes are recognized and everyone just has a GREAT time!

So what are you waiting for? Grab a couple of friends and join a team. Remember to sign up for the mailing lists for all the sports you want to play at eaa.skule.ca, and if you have any questions e-mail us at eaa@skule.ca.

See you on the field, court, pool or diamond,

Katerina Daginis  
EAA President 2010 – 2011

Hard Hat Café

Hello hungry Skuligans! Welcome to Hard Hat Café! Located in the very heart of Engineering Society, you can find Hard Hat Café in the atrium of the Sandford Fleming building. This is the 3rd year of operation of the café. Our goal remains the same, to curb the monster within you by providing you with healthy and not-so-healthy snacks all day. We are here to satisfy your hungry needs! Okay, we do not sell potions or antidotes, only fresh and edible food. Whether you’ve got a stomach the size of a caterpie, or an appetite of a snorlax, Hard Hat Café is able to fill you up without emptying your bank account.

This year we hope to bring some important changes to the café. You’ll probably see Donnie or Gibran hanging out in the atrium pestering you about your food choices and in general working to make the café serve you better.

The Hard Hat Café will always be of the engineers, by the engineers, and for the… well anyone who has an appetite and some cash. Be sure to drop by the Hard Hat Café in the Sanford Fleming Atrium whether it is to grab a pizza or a beef patty or some coffee, or just to stare at the employee’s face; we love the attention.
Hey there Froshies!!!!!!!!!!

Have you ever had the urge to:
1. Play cards
2. Drink some BEvERages
3. Eat some pizza
4. Be chillin’ like a villain
5. All at the same time

If you have experienced one or more of these symptoms, the following is important information you should know:


SUDS is a 100% student operated University of Toronto undergraduate engineering pre-pub. It is a magical place where students and alumni gather and relax on Friday nights, as well as every night of Frosh Week and Godiva Week. On a very special night, you might be lucky enough to see SUDSMAN, a giant BEvERage who loves to burst through walls and dance.

A place where you can watch the Bnad crash? How about an epic Cannon blast? Wanna prank with the BFC for shits and giggles? Check out a boring pit that becomes a dance club. That bumpin’ lounge that transforms into a Mexican Fiesta! I hear it’s a James-Bond-worthy-establishment. Pretty nifty. It all happens at SUDS. Taste tradition. Literally.

But SUDS has some rules that everyone must follow, otherwise SUDSMAN will be sad. The rules are as follows:
- All activities at SUDS must obey the laws of thermodynamics
- People of all ages are welcome at SUDS
- No outside alcohol allowed in SUDS. No inside alcohol allowed out of SUDS
- No peeing yourself. Inside SUDS.
- To drink alcohol at SUDS you must have a wristband
- To get a wristband you must show proof that you are 19 (no health cards or iron rings)
- NO MILKCRATE STACKING!!!!!

We need servers too! If you’re 18 and want to serve at the most awesome place at SKULE™️, then show up at SUDS and say hi to one of the managers. And if you have any ideas for events, feel free to email suds@skule.ca or tell one of the managers.

Also buy SUDSMAN patches
SUDSMAN says “F*** YEA!!!”

Ian “Seth Rogen” Parker Operations Manager 1T0-1T1
Denizcan “Optimus Design” Karadadas Finance Manager 1T0-1T1
SKULE™ can be a very scary place if you are not equipped with the right stuff, including machine guns, flash grenades, and a shot glass. But lucky for you, Stores not only provide a wide range of weapons, but also textbooks, stationary, leather jackets, coveralls and Skule™ stuff… everything you need to face the perils of your adventurous first-year.

Engineering Stores is a non-profit, student-run business. Therefore we guarantee you:

"Engineering Stores sells the CHEAPEST FIRST-YEAR TEXTBOOKS on campus!!!"

Serving students since 1891, our motto says it all: “RUN BY THE STUDENTS, FOR THE STUDENTS”. We are located in the basement of Sandford Fleming (SF), next to the Engineering Society Office, and open on weekdays from between 11 and 3. We also have extended hours of operation at the beginning of each semester while selling you your text books. Stores employees are students just like you (except not silly F!rosh), they have enjoyed how awesome Skule™ can be, and believe that Skule™ has given them so much and that now their turn has come to give back to it and its amazing students. You are welcome to stop by anytime and just chat with us! We'll help see you through your first year so you don't hit too many potholes along the way – though remember to buckle your seatbelt!

Stores offers many products and services, including: textbooks, T-shirts, polos, hoodies, coveralls, leather jackets, lab notebooks, pens, pencils, highlighters, official faculty writing pads and report covers, drafting tools, playing cards, stickers, Cannon DVDs, Skulebooks, coffee mugs, shot glasses, patches, tickets to Skule™ events, and much more! (OK, the wide range of weapons is just a joke)

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

We are so excited to meet you and can’t wait to welcome you to Skule™’s really tight-knit community!

If you have any questions, don’t wait a picosecond to send an email to stores@skule.ca and get on to your computer right now to check out our website: www.stores.skule.ca

Danruo (Dan) Liu, MIN1T1  
Operations Manager  
Layan Kutob, INDY 1T2  
Finance Manager

Coveralls
Introducing the unofficial Skule™ uniform… Always in fashion and handy to wear when you get down ‘n dirty, coveralls are the bedrock of any engineer’s wardrobe. Except the F!rosh. Earn your coveralls by passing first year (and surviving). When you do get them, customize them with cool (and uncool) patches and by any other means possible! Learn how to use a needle and thread for extra credit—it is a valuable life skill. Once you have individualized your coveralls to all the whims of your imagination, strut your stuff and wear them to events throughout the year.
Leather Jacket
FIROSH CANNOT OWN ENGINEERING JACKETS
Why is this so? Well, young F!rosh, engineering leather jackets are an honourable possession obtained by those who have survived (and thrived) through the self-induced suffering we call “engineering.” Stores will sell you a jacket all right, but you’ll be mocked and laughed at by your Skulemates if you wear it.

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

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

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

After a couple months of keeping it hidden from all those artsies, be sure to take it out of your dresser and decorate it! Past ideas include: a remote control car, Ye Olde Mighty Skule™ Cannon replica, potato cannon, electric car closed circuit, koopa shell, Spartan helmet, firebell, samurai helmet, working coffee maker, foosball table, binoculars, full blown speaker system, space shuttle launch pad and jester’s cap. But F!rosh don’t let this discourage you, show us what you’re made of and bring the greatest hardhat in the history of F!roshkind to the Hardhat competition during Godiva Week!

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

Do you want to act crazy, dance, and sing at U of T’s historic Hart House Theatre? Maybe you would like to play with power tools or take control of dazzling lights and sound effects? Or perhaps you are dying to be in RAWKIN’ orchestra!? If you said “OMGWTFBBQ!!!! YES” to any of the above, we would like YOU to be a part of Skule™ Nite 1T1!

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

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

**Cast** - Act, sing and dance you way through sketches about anything from taking acid with your guidance councillor, to fighting off an alien invasion!

**Building Crew** - Use tools and build crazy awesome sets and props for the show!

**Stage Crew** - Keep each show running from behind stage, you’re kind of like an actor, but you’re not supposed to be seen!

**Tech Crew** - We need sounds and lights and microphones!

**Band** - Skule™ Nite has a fantastic orchestra! Join and play amazing songs that will be stuck in your head for ages!

**Costumes** - Make the cast look dazzling, or like a centaur, costumes come in all shapes and sizes and we need you to make them!

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

**Audience** – It’s the least you can do! Come watch the show with your friends!

See you at the show!

**Director:** Mason Lau, CHEM 0T8  **Producers:** To be announced!
Dinner Dances

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

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

The venue will be so brilliant, you’ll be seeing stars. The food will be so delectable, you’ll unsuccessfully try to re-create it at home. The Stage Band will be so bumpin’, you’ll be grooving until the Lady Godiva Memorial Band arrives. If we’re lucky enough to have it, our beloved mascot will be so loud, you’ll smell it. And when it’s all said and done, nostalgia will set in, followed by many months of depression. Cannonball T1. Be there. Or Be Squared.

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

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

Formula SAE
If Pokemon isn’t really your thing, there is the U of T Formula SAE Racing Team. We’re a bunch of students from all years and disciplines who get together to design, build, and race a formula-1 style racecar each year from scratch. We compete internationally against 500 other universities and are one of the few teams to ever win multiple world championships. Anyone is welcome to join, and senior members will be there to guide you through every step of the learning process. So come by the shop if you are into making something real. www.fsae.utoronto.ca

UTEK
The University of Toronto Engineering Kompetitions (UTEK) is Skule™’s version of the Pokémon League! It’s an exciting opportunity for engineering students to apply their knowledge and skills in a fun and competitive environment. Students who win will receive a cash prize, and the opportunity to represent U of T at the Ontario Engineering Competitions (OEC) and possibly the Canadian Engineering Competitions (CEC)!

There are six different competition categories: Junior Team Design, Senior Team Design, Innovative Design, Consulting Engineering, Engineering Communications, and Parliamentary Debate.

The Junior Team Design category is a perfect opportunity for Frosh and 2nd year students to get involved and work together in teams to develop problem solving skills. Teams are required to build a prototype solution for a design problem given on the day of the competition. Frosh are also welcome to join any other competition (except for Senior Team Design, open to 3rd and 4th year students only).

If you’re looking for a fun and challenging way to level up your teamwork, communications, and creative thinking skills, come register for the 9th annual UTEK! There will be an Information Session mid-November where you will be able to sign up for UTEK 2011, which will be held on a Saturday in January. More information will be made available closer to the Information Session date in November!

If you have any questions, please feel free to visit http://utek.skule.ca/ or email utek@skule.ca. Hope to see you at UTEK 2011!

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 U of T’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 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 universities 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 ut.canoe@gmail.com.

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

Clubs

Chinese Engineering Students Association (CESA)
Website: http://cesa.skule.ca, Email: info@cesa.skule.ca
Fun fact: Did you know that the Pokémon Hitmonlee (#106) and Hitmonchan (#107) (Old school Pokémon!) take their names from Bruce Lee and Jackie Chan? Also did you know that Bruce Lee and Jackie Chan were Chinese people? Well, so are we!

For the past 35 years, the Chinese Engineering Students’ Association (CESA) has been a student-run, non-profit organization dedicated to promoting Chinese culture and fostering friendships and networks between its members. CESA has grown to become one of the largest clubs within the engineering faculty, having approximately 350 undergraduate, graduate, and alumni students.

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

Join us and receive many great CESA membership products, which include: membership cards, discount booklets, clipboards, and more!

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

The Canadian Society for Chemical Engineering (CSChE)
Email: csche@skule.ca
The Canadian Society for Chemical Engineering (CSChE) is a national association for chemical engineers. Its members consist of practising engineers in the industry and members of Chemical Engineering academia. The UofT Student Chapter acts as a link between students in their academic environment and the professional world of chemical engineering.

Our biggest event is the annual CSChE Conference. In 2009, we sent 25 student delegates to the World Congress of Chemical Engineering held in Montreal, to represent the UofT Chemical Engineering Department. Students are exposed to a wide range of academic and professional development events that complement and enhance their undergraduate studies. At these conferences, student delegates have participated in the Reg Friesen (for non-technical) and
Robert Auld (for technical/chemical) engineering competitions. UofT students are well-known for placing top standings in these competitions each year.

This year’s conference will take place in Saskatoon in late October. In addition to the conferences, the Chapter also organizes other events such as PEY info sessions, professor-student mixers, health and safety seminars, Valentine’s Day candy grams and matchmakers, and more. Food is always provided! We look forward to meeting you at our events.

**Club for Undergraduate Biomedical Engineering (CUBE)**

The Club for Undergraduate Biomedical Engineering (CUBE) is a student-run club whose mandate is to promote biomedical engineering to undergraduate students. The oldest and largest chapter was founded in 1997 at the University of Toronto. Currently, the Toronto chapter has over 500 members from assorted programs and faculties. CUBE’s purpose is to disseminate knowledge pertaining to the biomedical field as well as to serve as a point of contact between students, academia, and industry. CUBE helps to complement the normal undergraduate curriculum by providing student’s the resources and opportunities to explore various areas in bioengineering, biotechnology, and medicine that are of direct interest. This is accomplished by hosting events such as information sessions on the latest cutting-edge research in related fields; attending international conferences in related areas; networking with industry leaders during held speaker seminars; hosting career seminars to assist students interested in pursuing a career in industry or research; and touring industrial plants, hospitals, and laboratories. CUBE is run entirely by a student executive committee following the dictates of our constitution and is recognized as an official campus group. CUBE is funded by several campus organizations throughout the University of Toronto including the Engineering Society, Student Union, and the Institute of Biomaterials and Biomedical Engineering. CUBE is a unique organization in that it is the only undergraduate student group of its kind. Anyone within the University of Toronto community is invited to join and take part in CUBE events at no cost.

**Destination Imagination**

Destination Imagination (DI) is the world’s largest creativity and problem solving competition. DI is made up of two components: the central challenge and the instant challenge. Each year five central challenges are issued, combining in varying degrees the following four main themes: technical design, theatre arts, structural/architectural design and improvisation. The central challenges are prepared by teams in advance to the competition date. In addition to the major components of the central challenges, teams are able to highlight their talents and skills through marked components called Side Trips, which allow the team to create, perform or design anything they desire. Unlike the central challenge that is prepared prior to the competition, the instant challenge is given to the team during a short time frame at the tournament. The instant challenge tests the ability of teams to think on their feet and create quick solutions to problems.

The U of T Destination Imagination teams compete in Ontario on a provincial level and represents Canada at the Global Finals in Knoxville, TN, where they compete against Universities worldwide. U of T DI also provides mentorship to many high school and elementary level teams through workshops and presentations, as well as aid in the appraising of these levels of competition at local competitions. U of T DI currently has the highest ranked Canadian Destination Imagination team and holds much prestige and respect in the DI community.
Clubs

Engineering Chinese Club (ECC)
Hello class of 1T4! Welcome to the most exciting university experience you will ever have! As part of the engineering society, we, the Engineering Chinese Club (ECC) are here to ensure that you will have a blast during Frosh year and that you have a fun and memorable frosh experience! We host social events so you can take a break from school work and connect with new friends; we host academic and career seminars to introduce to you unlimited opportunities; and we also have a new initiative this year to get you involved with local community through various volunteering projects. You could also connect with our extensive professional network through alumni working at companies such as McKinsey & Co., BMO, P&G, and etc. Let us be a part of your amazing memories. What are you waiting for? Come join ECC!

Engineers In Borders
Website: www.ENB.skule.ca  Email: enb@enb.skule.ca
Would you like to see the direct positive impact that you can make on the community you live in? Would it satisfy you to identify an issue in society and then correct it? Well, then ENGINEERS IN BORDERS is the right club for you! We use our problem solving minds to fix the city that we call home.

ENGINEERS IN BORDERS is a club that strives to contribute directly to our community. There is a need in our society for a visible and effective presence of active engineers who will dedicate their time to volunteerism, educational benefit, and various outreach initiatives. The students in this club all have a common goal - we work together to really get involved in our community.

ENGINEERS IN BORDERS partakes in various community service initiatives such as tutoring in elementary and high schools, providing assistance in local hospitals, leading community clean ups, and organizing sandwich runs to the homeless.

There is no experience needed to become a member of ENGINEERS IN BORDERS. If you were involved in any community service initiatives in high school, we would love to hear about your experiences. Or if you just want to get involved within the community, this is a great opportunity for you. Join ENGINEERS IN BORDERS and help us make Toronto an even greater city.

Engineering Management Committee (EMC)
The University of Toronto Environmental Management Committee was founded by two Environmental Engineering undergraduate students in 2009. This committee’s objective is to advise and foster Environmental consciousness and activism in the operations of University Facilities, in the organization and execution of University student clubs and events, in the language of University student clubs administrative documents, and in the general University of Toronto Student body.

In our first year, we strived to reach our objective by hosting environmental events, auditing student clubs, organizing an environmental consulting case competition, and working with the Engineering Society to change environmental policies within their governing council. We accomplished a lot such as hosting a highly successful first-ever Eco-fashion show, holding a litterless lunch day and a campus clean-up, auditing 18 student clubs, and organizing an intense and highly rewarding environmental consulting case competition about Suncor and their carbon emission reduction options.

If you care about the environment and look to make a difference, contact us at utemc09@gmail.com to join our mailing list or ask us how to apply to be on the executive committee!
Engineering Photography Club (EPC)

People who tell you that Engineers are not creative are wrong. Because here at the EPC, creativity is the game that we play! The Engineering Photography Club (EPC) was established in 2008 to cope with the increasing demand of photographers at Skule events. It was also created to give photographers a front where photographers can meet and share their passions in photography!

For the past two years, the EPC has had the honour of shooting various Skule events including Frosh Week, Godiva Week, and various Dinner Dances (MIE, EngSci, CHEM, TrackOne, Moment Ball). We have also managed to organize themed shoots such as Nuclear Winter and Umbrellas. We look forward to holding more events and shoots for members of our club!

We welcome all beginners, amateur photographers and experienced photographers to our club! This year, we are looking forward dedicating more of our resources towards non-event photography. We will also be hosting a series of educational shoots to help beginners learn the art of photography, while allowing amateur and professional photographers to share their experiences about particular photography skills.

Joining the EPC is extremely easy, come out to one of our shoots (Check the digest!) or email us a photography@skule.ca to join the mailing list.

Iron Dragons

The official Skule™ dragon boat team is composed of University of Toronto Engineers and coached by Engineering Alumni. Founded in 1997, the team is affectionately known as the loudest and most spirited team on the water, and respected as a force to be reckoned with. The team trains from April to September and participates in several regattas throughout the summer, including the Toronto International Dragon Boat Race Festival at Centre Island, and the Montréal International Dragon Boat Race Festival.

If you are looking to meet new people, get into shape, participate in a high intensity water sport or to just have fun, the dragon boat team is for you! The team is open to all Engineering students and *no*experience is required. Our recruiting season usually starts in January, however we run social fundraisers and various athletic workshops during the Skule™ year.

Feel free to come to any of our races this season to learn more about this sport, or come try your hand at it yourself at the Great White North Challenge in September. You can also check out http://dragonboat.skule.ca or email us at dragonboat@skule.ca for more information!

National Society of Black Engineers (NSBE)

Ash Passum left home excited and eager to embark on his journey to become the best Professional Engineer. Naive and overly-confident Ash set off to his first destination of UofTown, leaving behind his loving tuition burdened parents. At the beginning of his journey, Ash had to choose his very first Pokemon. Looking among the pokemon, NSBE catches Ash’s eye. NSBE is an academic and professional advancement type pokémon and has special attacks such as the study night and D Battle moves that exponentially increases one’s experience points. NSBE also comes equipped with life saving past-papers and tutor potions. With NSBE as his close companion Ash can find success at UofTown and leave knowing that he is much more prepared and closer to his goal of being the Best Professional Engineer. Gotta pass ‘em all!

Skule Arts Festival

The Skule Arts Festival is a broad and far-reaching event that showcases the artistry and creativ-
 Clubs

ity of engineering students at the University of Toronto to other students, faculty, alumni, and members of the public. Students of the engineering faculty are some of the most multitalented in Canada, with many of them coming from strong artistic backgrounds, and the festival is the perfect opportunity for them to develop and exhibit their abilities.

Skule Arts Festival will feature a multitude of both visual and performance arts over the course of a week in late January. Through the week, student sourced artwork will be displayed, including exhibitions of paintings, photography, sculptures, poetry, and more. Two signature large-scale interactive art installations, designed and implemented fully by students, will serve as the highlights of the event. In addition to the static art, we will be holding two performance nights - Coffee House and ArtsSuds. Coffee House will feature small-scale performances such as instrumental pieces and poetry readings while ArtsSuds will feature large-scale performances like band sets and dance numbers.

To get involved: come out to the Flosh booth, attend a kick-off meeting or email us at saf@skule.ca. You can also visit our website at http://saf.skule.ca.

Skule Orchestra
Founded in 2006, the Skule Orchestra is a 60 member symphonic orchestra of string, wind, and percussion instrumentalists. The orchestra is a place for students to have fun performing challenging music of several different genres, ranging from Schubert to Star Trek. Social events and weekly rehearsals provide a great way for members to unwind and meet other students with a passion for music. The orchestra hosts several concerts each year, as well as a Valentine’s Ball, where guests learn to dance to live waltz music. If you are a musician and want to keep up your skills and passion for music, this is the club for you! Interested? Bring your instrument and enthusiasm to our open rehearsal - everyone is welcome (yes, even non-Engineering students). For more information, or to sign up for an audition, visit skulemusic.ca/orchestra

Skule Stage Band
http://www.music.skule.ca/stageband/
http://www.music.skule.ca/stagebandblue/
That’s right – Skule™ has not only one, but two awesome stage bands! Our bands are comprised of mostly engineering students, but we welcome anybody at U of T who enjoys playing and performing swing, big band, funk, latin, and many other genres of jazz music. The bands play at many gigs throughout the year including Skule™ Music Festival, Cannonball, Music Exchange with University of Waterloo, Gradball, Jazz@Oscars, and various dinner dances. We hold an Open Rehearsal in early September and strongly encourage everyone who’s interested to attend. We’re always looking for new faces so if you’ve been playing for years or even if you just wanted to try out a new instrument, come on out to the open rehearsal so you can blow us away with your playing chops!
P.S. If you want to be notified about the Open Rehearsal you can email stageband@skule.ca and/or sign up at the clubs fair during F!rosh Week

Take Action Organization (TAO)
The Take Action! Organization (TAO) is a group of change-oriented individuals striving to bring about positive change in society. This youth volunteer organization gives back to the community through outreach efforts, volunteering opportunities and student-run initiatives.
More specifically,
* Volunteer as a part of TAO coordinated groups for community based outreach at places such as the Scott Mission and the Daily Bread Food Bank.
Help plan and run TAO initiatives such as the Children’s Christmas Party. Attend leadership and social change conferences to represent TAO and also develop their own skills. TAO believes that the sky is no limit and that every member should have the chance to grow and develop while giving back to the community.

Tetr@UT

Tetr@UT is affiliated with the Tetra Society of North America, which is a registered charity that consists of volunteer engineers, healthcare professionals, and students who build low-cost assistive devices for people with disabilities. While the solutions can often be very simple, they have a profound impact on people’s quality of life.

Tetr@UT consists of a group of dedicated students mainly from engineering connected by the belief in the power of technology to help improve the lives of people. As engineers in training, we recognize that Tetra’s work strongly resonates with the engineering design process. It focuses on fully understanding the problem faced by the client, thinking creatively and innovatively about potential solutions, iterating through different designs and solutions, experimenting with prototypes, and analyzing and fine tuning the final product. Throughout the design process, communication with the client, sensitivity to his/her needs and having an understanding of the broader context of his/her situation and of disability in general is also paramount.

Tetr@UT works by receiving requests for assistance (RFAs) from people with disabilities. The projects are then assigned to a small team of volunteers, who then work closely with the client to design, build, test, and fine-tune the device. Once the project is completed, our volunteers follow-up with the client to ensure the device remains robust and usable over time. Through their participation, volunteers not only help persons with disabilities find greater independence in their lives, but also gain experience in engineering design and fabrication of assistive devices.

University of Toronto Engineering Toastmasters (UTET)

Email: toastmasters@skule.ca. Website: toastmasters.skule.ca.

University of Toronto Engineering Toastmasters (UTET) can help you become the very best (public speaker), like no one ever was! From profound speeches to humorous impromptu talks, UTET creates an environment that encourages members to speak confidently in front of fellow Toastmasters and guests. Our weekly meetings are a chance for you to practice and improve your public speaking skills as well as your leadership skills. We follow some standard guidelines but the bulk of the learning comes from peer evaluation: you evaluate me and I’ll evaluate you. Come to our meetings and see public speaking from a different perspective!

U of T Engineering Conservative Club

The U of T Engineering Conservatives is an energetic and diverse group of Engineering students who support the values of the Ontario Progressive Conservative Party and Conservative Party of Canada. We host speaking events with prominent Canadian conservatives, and social events such as pub nights. Members will have the opportunity to help out with election campaigns and attend party conventions. We welcome committed conservatives as well as anyone who is curious about Canadian politics.

University of Toronto Consulting Association (UTCA)

The University of Toronto Consulting Association (UTCA) aims to educate students about the field
Clubs

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

University of Toronto Engineering First Responders (UTEFR)
The University of Toronto Engineering First Responders is a volunteer organization providing flexible and continuous training to engineers who want to increase their confidence and knowledge in first aid techniques (while managing a heavy work load). By increasing competency in pre-hospital first-aid treatment, UTEFR enhances the safety of on-campus events. UTEFR members will receive professional training and certification in Emergency and Standard First Aid, CPR-HCP, Automated External Defibrillation, Emergency First Responders, and Emergency Medical Responders along with other essential skills and knowledge. The organization also offers opportunities to practice your skills, in the forms of competitions, charity events, workshops, and patrolling campus events.

U of T Human-Powered Vehicles Design Team
The U of T Human Powered Vehicles Design Team is dedicated to designing and building incredibly efficient machines. The team currently has two technical projects: the HPO and the HPV.

The HPO (Human Powered Ornithopter) is an ultralight human-powered flapping-wing aircraft, with a wing span of 34m (112ft) and a mass of 40Kg (90lbs), with the goal of being the first successful piloted ornithopter in the world. The HPO was designed and built through 2008 and 2009, and flight-testing (started in 2009) will continue during the summer of 2010.

The HPV (Human Powered Vehicle), a recumbent, streamlined, advanced-composite high-speed bicycle designed for one thing: speed. This year was the team’s first entry into the annual ASME Human-Powered Vehicles Challenge, and the team put forward an incredible performance! Our team from U of T Engineering took 2nd place in each of the Men and Women’s Drag Race events, as well as 2nd in the Endurance Race event, against veteran teams from all over the U.S.! With more practice and a revised design, we’re certain we can improve in 2011! Further, in September 2010, the team will travel to Battle Mountain, Nevada, for the World Human Powered Speed Challenge, where we hope to set the collegiate-class world speed record.

In this club you not only get to train on the high-speed bicycles and go to international racing events, you learn to build high performance composite structures, design human powered vehicles, and have fun!

The University of Toronto Student Chapter of the Water Environment Association of Ontario (UT-WEAO)
Do you have an interest in water related issues? Are you interested in water quality, water reuse or pollution control? Are you interested in interacting with professionals in the water industry in Ontario and other networking opportunities? If your response to any of the preceding questions is yes, the University of Toronto Student Chapter of the Water Environment Association of Ontario
(UT-WEAO) addresses and facilitates all these opportunities. UT-WEAO is a student club entering its 6th year of providing excellent opportunities for students to improve their technical knowledge on current methods and technologies in the areas in water quality, water and wastewater treatment, pollution control and water reuse, to name a few. We do this through a series of technical seminars, site tours, interaction with current professionals in the industry and other networking opportunities. Our group facilitates professional development and information exchange between students and professional members of the main club of WEAO. Our meetings and activities are held monthly. If you would like to be involved in our activities, please feel free to contact us at weao.group@utoronto.ca to join our mailing list. We look forward to seeing you at our events!!

Web Startup Society
Our primary goal is to establish a strong startup community at UofT in the area of web and mobile development. We host speaker events that will allow students to learn from the experience of successful founders and we also hold Democamp sessions that feature a series of 5 min demos from student hackers/entrepreneurs/developers.

We will also hold an annual Web Startup Expo, which will bring together the leading startup companies across Canada in the web/mobile development sector through a one-day series of company demos, student demos, talks, workshops, and social events. Students for the first time, will be able to witness the strength of the Canadian startup community.

To sum everything up, web startup society will help foster a startup culture with one simple goal – to have successful startups come out of University of Toronto.

Check us out at www.webstartupssociety.com

Women in Science and Engineering (WISE) at U of T
Website: www.wise.skule.ca   Email: wise.club@utoronto.ca
WISE U of T is a co-ed student organization open to all students, staff and alumni in the University of Toronto community. Our four main goals are to:

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

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

Get Involved!
After all this talk of academics and Skule™ life you’re probably thinking, “Who has time for this?”
It’s true you have to stay on top of work (failing out means no more school or Skule™ and you don’t want to be that kid who suddenly disappeared after first semester) but get involved! If you have time to play with your pikachu, you definitely have time to join a club! Those memories are
Get Involved!

the ones you’re going to remember, not the all nighters, not the quizzes, not even some of the material. Find something you love and do it or go try something new. Trust me, university will be way better this way. Besides all the clubs and teams we mentioned, if you’re interested in getting involved and planning events with your discipline or even for all the Flrosh, try out for class or year rep! Be on the lookout for elections at the beginning of the year.

Class Reps
Class reps are the voice of the engineering society and are a very important part of making sure business runs smoothly. Class reps attend Engsoc meetings, work with their discipline club to organize fun events like ski trips and smokers, and most importantly, keep your class informed with what’s going on. Every discipline of every year has its own class representative and they are voted in at the beginning of the year. This position will make sure everyone in your class knows who you are as you will be the ‘go to’ person for information.

Year Rep
Do you think of yourself as spirited? Think you can get people organized? Can you think of ideas more legendary than Ho-oh? Then this position is for you! The 1T4 Rep is responsible for organizing social events, running fundraising barbeques, building a chariot for Godiva Week, and a prank or two (or three or four!). In order to run the committee, Engsoc gives $500 in funds for the year. You could use this funding to run as many events as you can for all the Flrosh. You will be notified of year rep elections through the Engsoc digest and they will happen sometime in first semester. Don’t forget to show up and vote or run!

Skule Points
You may be wondering what Skule™ Points is?
Well my friends it’s an awesome system that’s in place to provide you guys with prizes for attending, organizing or helping out with Skule™ Events. Like holding an Engineering Society position; winning a competition; and for being involved/contributing to student life in general. The more events you’re involved in, the more points you can collect and the more prizes you can get. Also Skule™ Points may be deducted for misrepresentation or disgracing the Skule name, attempting to gain Skule™ Points illegally or anything the Skule™ Points committee finds to be unsuitable conduct.

My name is Roshan Thanapalan and I am Head of the Skule™ Points Team (S-Team). The S-Team is a group of volunteers who are dedicated to making sure Skule™ Points is spread all over our engineering society. Our goal is to get you guys as involved, and as apart of our family called Skule as much as possible. All you have to do is take that first step and come out to any and all events and see what this family can offer you.

You can at any time go to the Skule™ Points website, www.points.skule.ca to view how many Skule™ Points you have acquired, the upcoming events, a list of what you can get Skule™ Points for and finally a list of the various prizes. Oh, also, at the end of the year your individual Skule™ Points will be added to your disciplines (ECE, CIV, MECH, INDY etc.) so once and for all it can be proven which discipline is without a doubt the BEST.

So look for our stickers, visit our website and take the first step to becoming involved.
Why live in Residence?

Sense of community – Living in rez, you’ll know your way around campus in no time, and see a lot of familiar faces.

Socializing – Get to know new friends, including Artscis and people from other faculties, who share your interests.

The best location – In the heart of downtown Toronto and only minutes from Engineering Complex, Libraries, and the Athletic Centre, you are in the middle of all the action!

Convenience – With meal plans (except Innis), complimentary internet, and laundry facilities onsite, living in residence couldn’t be easier. Plus, you’ll never need to walk further than the lobby to pick up your mail.

Safety and security – 24 hour porters and/or security cameras are a part of each residence, making sure you have the security you need. Residence entrances are always locked.

Support when you need it – Live-in Residence Assistants and Dons are there to help you with everything from academic concerns to personal issues. Remember, friends are around to support you too!

Opportunities for growth – Join committees, e.g. being a Junior House Rep, and take a leading role in your rez experience, or join other campus groups that suit your own interests. Living in rez makes it easy to get involved.

Trainer’s Tips

On your journey to collect your badges you’ll need a shelter where you can stay and relax. A residence is the perfect place. The following are few tips to make your stay the best it can be.

Equipment

It’s always better to be prepared. Items like a kettle, a water filter, plates, bowls, and forks are lifesavers. Basic toiletries and a laundry basket are a must. Also, take note that it costs an additional (not part of your resident fees) $1 to dry and wash your clothes, separately.

Eating and Cooking

For nutrition, you could join the Artscies’ daily cultish gathering in the Café Facility. While the food may seem enticing at first, craving for the delicious veal or chicken dinners, lusting for juicy wiener’s or the honeybuttered buns, eventually you may get bored of the same old same old. During emergencies or when Café food is absolutely intolerable, you can adjourn to other food sources within the area. There are several pizza, barbecue restaurants, Chinese trucks and mini-marts right next to the Athletic Center. You could even cook on your own in the common room or apartment (Innis facility).

Cleaning

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

Socializing
Last of all, have fun! Where else in your lifetime will you ever be given this unique experience? Let loose, socialize with friends, meet new people! Stop by open doors, talk with other trainers, and share your talents and secrets. The friends you make can be your source of comfort on rainy days, and a game of DOTA or even basketball can make any stressful day seem a whole lot better.

Residence Checklist

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

Alarm Clock(s): Make sure to bring your own alarm clocks so that you won’t miss any 9am classes or exams.

Bar Fridge for your Bedroom: Need some food when working late at night and the café is closed? It’s a good idea to have a fridge in your room!

Bedding and Linens: Bedding is not provided. Bring your own and make your room more comfortable and look nicer.

Clothes Hangers: Mind that these are not provided.

Computer and Printer: Although you have free printing at the ECF labs, your own computer and printer are essential to avoid late-night treks to the computer labs.

Flip-flops: If you’re going to be using shared showers, this would be a very good idea.

Hygiene Items: Please don’t be that person who hasn’t showered for one week, no matter how busy you are.

Laundry Bag and Detergent, Towels, Washcloths and Personal Toiletries: Be hygienic!

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

Study or Desk Lamp: If you like to study in your own room, a desk lamp is a good idea.

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

New College
Built in 1976, the old New College has lost its physical attractiveness but has been favoured by engineers for many years mainly due to its short distance from classes. With the addition of a new building in 2003, New College has attracted a large body of engineers of various years and disciplines, making up nearly 50 percent of the residence population. The meal periods and the All-You-Care-to-Eat meal style will guarantee an addition of a few pounds to your weight if you don’t keep up with exercising. You may also choose to cook some late night meals in one of the common rooms on your floor. New College also has two bike storage rooms, one exercise room (in the new building), a library and two music practice rooms each equipped with a piano. You will most likely get a single room at New College although you can request a roommate. If you have a loud roommate, you may also choose to study in the main lounge in the old New College building.

89 Chestnut
The hotel building was acquired by the University to “stuff all the students who did not get a residence anywhere else,” as I was told on the phone by an official. Located at the heart of downtown Toronto, you will spend 10-15 minutes walking to school every morning. Although the walk might be a good daily exercise, those who like to sleep in will need to gain more will power to get up earlier. Other than the hotel-level rooms, the food also amazes students from other residences. New College residents can use their Aramark Flex Dollar to eat a meal at Chestnut; however others will just have to go with cash or debit. Chestnut has a few studying areas in the main floor lounge and the 27th floor; however what you will see more are parties and banquets hosted in its various ballrooms.

Innis
Innis is the “Trinity College” for engineering students. While it is highly competitive to get in (you need to have average in the 90’s), it is also the hardest to survive in due to the lack of a cafeteria. Residents at Innis will usually get a meal plan/flex dollars to eat at New College, University College or 89 Chestnut. Other trainers will try to cook for themselves in the fully equipped kitchens. The remaining will have to either steal/mooch free food or stock up months of cereal and vita soy.
Being a new Pokemon Trainer means you can’t use a Pokemon to fly to campus from home and back just yet. Here are some commuting tips to aid you in the meantime:

1. **Purchase a TTC Metropass**, especially for months with at least 20 days of school. With a Metropass, you will be allowed to use the TTC system as many times as you like within operational hours (besides contracted and Downtown Express routes). Starting in September 2010, all post-secondary students will be able to purchase student metropasses directly from the TTC.

2. If you need to use GO Transit, be sure to obtain a **GO Transit Student ID Card** so you can get student fares on monthly passes and 10-ride tickets. To do so, you will have to fill out a form available at the Registrar’s Office to drop off at Union Station. Keep this ID card with you each time you purchase tickets or passes.

3. **Keep track of the time and transit schedules.** You might find yourself staying at school late at night for schoolwork or extra-curriculars, and there’s not much worse than missing the last bus and being stranded at school with nowhere to stay. Understand when the last subway, bus, or train runs so you can get an idea of when to leave campus for home.

4. **Pack as light as possible.** Often, you won’t need to carry your textbooks to school unless you plan on doing homework. Bring only what’s necessary because there might be times where you’ll have to run to catch the bus or train, and carrying a heavy load as you walk between classes is a hassle.

5. **Take advantage of the time you spend commuting.** Save for the possibility of motion-sickness or the bumpiness of bus rides, commuting time is well spent reading over notes. Otherwise, use it as free time to catch up on sleep, listen to some music, or read a newspaper to keep up with current news.
Staying Healthy

Staying healthy and fit is ideal when you still have four or five years of school in front of you. It will not only benefit your academics but also future self and even your descendants. First, you want to sleep at least 55–56 hours a week. Ideally you should be sleeping 8 hours a day but in many occasions you may choose to lose out on some sleep for that extra 2 hours spent studying. When you are working late at night, it is important to take a 5–10 minute break every hour. The break time might seem to be a perceptible percentage of an hour but taking your mind off work and stretching periodically can effectively boost your efficiency while working. One other thing to keep up is your diet. A healthy mix of greens and meat each meal can boost your energy daily when you are running on only a few hours of sleep. Remember to also eat fruits and drink large amounts of fluid during the day as they will help you focus in class. Stocking up on bananas and bottles of water is also a good idea. Bananas will give you instant energy boost for about two hours. This may help improve your performance on a test or exam.

Athletic Facilities

Athletic Centre (AC)
The first eye-catching part of this giant building is the Olympic sized pool. The smell of chlorine and the echoing sound of whistle will instantly lure you into aquatic sports. The building also incorporates three gyms and one 250m track. All Intramural games will take place at one of these places as well as Varsity Blues (our varsity team at U of T) games. There is a fully equipped Strength and Conditioning Centre on the first floor of the AC although sometimes it can get stuffy with limited ventilation therefore students are encouraged to use the machines in the Field House whenever possible. Each week, the AC will have a Drop-In Recreational schedule where students can meet others while casually playing a sport they like.

Hart House
Hart House seems to be its own franchised enterprise but it does provide free sports utility access to all U of T students. There are three squash courts, one Fit room, one weight room, a 25 yard pool, a Lower Gym and an Upper Gym. The Lower Gym can be booked by any U of T student once a week free of charge. It is quite nice to have a game of basketball or volleyball once in a while. Because it is such a worthy offer, it does come with a price: you will have to line up at Hart House on a Wednesday morning before 6:30AM rain or shine in order to reserve a spot for the next week. If you arrive at 7:00AM, chances are you’ll wish you’d stayed in bed instead. The Upper Gym has a 150m banked oval track with stationary bikes and other machines in the centre. Hart House sometimes even offers free Fitness Classes, be sure to check those out.

Varsity Field
The only sports facility that is noticeable to the public is the large field on Bloor. With a 5000 seat stadium, a 400m eight lane artificial turf track and an Olympic sized ice rink, Varsity Field really brings up the level of U of T’s sport facilities by a notch. It is usually the ground of the Varsity Track and Field team, Rugby team and the Ice Hockey team but students are free to run on the track at times when it is available. In the winter, the centre of the outdoor field is covered with an inflated dome. The dome, as well as the ice rink, can be rented out by anyone in the university or the public for a price tag of $400–$500, something only clubs can seem to afford.
Bahen Centre (BA)
Separated from all the other engineering buildings by St. George Street and a very annoying crosswalk, Bahen (pronounced “Bay-en”) Centre for Information Technology is the newest, flashiest and the most reflective building out of all other engineering buildings. The building is connected to Koffler Center from the inside which leads to a Second Cup and the UofT Bookstore. The connecting hallway entrance is opposite to Mega Bites café which serves Starbucks coffee. The lecture halls are really big and have comfortable seating and tables, especially inviting when you can’t seem to keep your eyes open. On the third floor there are little study spaces that have blackboards, chairs and tables which are perfect for studying, napping or eating your lunch. Home to the EngSci common room and ECE study hall, a multi-faith prayer room and nice washrooms, Bahen is definitely one of the cooler buildings (just don’t tell that to Shai Cohen—he has given field trips around this building instead of lecturing to show students how poorly it was engineered!). Now, try to find the math department (6th floor) in Bahen!

Common Rooms: Eng Sci – BA 2128

Sandford Fleming (SF)
This is “the” Engineering building. Our Fortress of Solitude and Skule™ Headquarters. It is home to the Atrium, a magical place where you will find that something is always happening. Skule™ events like Suds, Godiva Week, Frosh Week, and other fun things take place here. The Engineering Society, and Band have their head offices located in the basement. A fun place to hang out, the atrium has lots of tables, chairs, a cafeteria, photocopying machine, a couple of microwaves and vending machines which sell snacks and drinks for really cheap! Also, the Engineering Library is on the second floor and the Linux labs (where you will be spending countless hours trying to figure out your labs) are on the first floor.

Common Rooms: ECE - SF B650

Galbraith (GB)
Connected to Sandford Fleming, this is the building you will be frequenting every time you have a question or need to take care of paper work. It houses all of the administrative offices like the First Year Office, and Admissions Office. This is the place where you will have to pick up your OSAP papers, awards or scholarships and get information about the T-Program. Another thing to note is that this building has Windows labs on the first floor which offer Microsoft Project, something you can’t get in the Linux labs.

Common Rooms: CIV – near GB 120A
Wallberg (WB)
Home to the MSE and Chem Eng Departments, it is really long and features puzzling entrances which connect it to different buildings from the ground floor and second floor. It has a lot of tutorial rooms and labs, with lecture rooms that are spacious and brightly lit. If you ever dare tread into this building make sure you know your way out because there always seems to be construction going on and the exits are locked most of the time.
Common Rooms: MSE – WB 143, CHEM – WB 238

Mining Building (MB)
The Mining Building is, not surprisingly, home to the MINs. One of the oldest buildings on campus, this building has a lot of labs and big lecture halls. It has the Mech/Indy common room, which has ping pong and foosball. The Canadian Mining Hall of Fame is located on the first floor of the building; it contains a lot of interesting history about mining in Canada, and is worth checking out.
Common Rooms: MIN – MB 131, MECH/INDY – MB 225A (near the connection bridge to Mechanical Building)

Mechanical Building (MC)
This building is home to the Mech and Indys. You will probably have a few classes in this building in your first year. It has quite a few lecture halls and, most importantly, the most comfortable chairs. With cushioned seats, the sleepability of a lecture is remarkably enhanced. The lecture rooms that start with a 2 are not really on the 2nd or 3rd floor, but are astonishingly located on floor 2.5. So have fun trying to find where they are, and try not to be late because of it!

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

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

Unlike the Artscis, every engineer needs a proper study space where they can further fulfill their learning experience independently. This section deals with the list of study spaces where engineering students usually spend their study periods.

One great place to study is the **Robarts Library**. Robarts Library is a very large building at the intersection of St. George St. and Harbord St. and has the form of an extremely massive, larger than life swan. Due to its size, it houses a vast reading room, which is basically a study room in the second floor. You are expected to be very quiet in the room as you study, as it is a public university library. The room consists of tables and study cubicles where students can study with others (again, quietly!) or by themselves in their own space. This room is recommended for those who want a more focused study space where they can work quietly and assiduously. Another similar space to recommend is the **Gerstein Library**, located at King’s College Circle. The study spaces there are similar to Robarts.

The third study space is the **Engineering Library**, located at the second floor of the Sandford Fleming Building. It is a very popular study space as it offers a studious environment specifically for all engineers. It is however, more vibrant and less quiet than Robarts and Gerstein as the engineers have greater freedom to interact with each other when it comes to studying and socializing.

The fourth study space is the **Atrium**, again in Sandford Fleming building. However this study space is at the basement and it is capacious. The atrium has served for various Skule™ events and activities, such as the F!rosh Week/Godiva Week activities and Engineering Suds, but outside these occasions, it is also a normal space for engineering students to study and socialize. The atrium has a few food places, so for those who wanted to stop by for pizza and soda while in the middle of burying under their calculus textbooks, this is a great option.

The next two study spaces are located in **Bahen Centre** and they are specifically designed for both the Engineering Science students and the Electrical & Computer Engineering students. The Engsci study space/common room/computer lab are all jumbled together in the second floor of Bahen, not to mention that their glass window is inscribed with the name of the building! This environment is more intimate and is the most popular space for Engsci students to study, socialize, and relax. The space also consists of smaller study rooms with tables for students to study in groups or by themselves. There is also a section in the larger space that consists of study cubicles separated by glass panels.

The Electrical & Computer Engineering study hall is located on the first floor of Bahen and is designed specifically for ECE students, although students from other disciplines (and TrackOnes) will occasionally walk in for the same purpose. Like the Engsci study space, this room is the most popular place for ECE students to study, socialize, and relax. Due to its spacious atmosphere, students can come to relax on beige leather couches, surf the net on their laptops, chat with friends, or simply prepare for their exams. ECE students of all years are normally found there, so you can take the opportunity to ask them for help if you missed out on one of your professor’s office hours.
Food and Bars

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

Molly Bloom's Irish Pub [191 College St.]  
Located right across College Street from campus, Bloom's is a spacious pub with fairly cheap drinks, much better service than 'Steins and good enough food. Better yet, though, are their deals – just about every day has one, and they are all fantastic (e.g. 20 dollars for a pitcher and 20 wings on weekends!). A lot of engineers migrate from Bloom's to 'Stein's and back depending on which one is less packed.

Ein-Stein's [229 College St.]  
Engineers have been frequenting "Stein's" for years. Located just across the street from campus, many engineering events/non-events cap off the night here. Drinks are reasonably priced and it's famous for its Hammer Wings. Even if there's nothing special going on, it's still a good place to hang out with some friends, grab a drink and a bite, and play a game of pool.

Andy Poolhall [489 College Street]  
It may be a pretty long walk west of campus, but Andy has something for everyone, unless they don't like drinking, pool or dancing. They have cheap cover, good pool tables, a modest dance floor, an average priced bar, some stylin' decor and a large seating area. Go there to shoot some pool, dance or just hang out with your friends.

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

Dance Cave (529 Bloor Street West [building says Lee's Palace, can't miss it])  
Despite being called a cave, the club is actually upstairs from Lee's Palace, a venue popular within Toronto's music scene. This 'club' is geared more towards rock, alternative and the like and it's usually pretty busy on weekends. Drinks are reasonably priced and admission is free with your T card. Located at Bathurst and Bloor, it’s also just a short walk from campus.

Kom Jug Yuen [371 Spadina Ave]  
'An engineering tradition' are the only words adequate to describe Kom Jug, everyone should go at least once. Most people get the BBQ pork on rice, but Shanghai noodles are also popular. Good, cheap Chinese food, a hilarious name (yes, it's pronounced Cum – Jug), and located just a short walk south of campus. As an added bonus, they're also open until 3AM.

Pho 88 [270 Spadina Ave. (416) 746-8646]  
Ok, there are many Vietnamese restaurants in China Town. But you gotta try this one because they not only make Vietnamese noodles, but they also offer
Thai food and Chinese food like Pad Thai and Szechuan-style dishes. And of course, the noodles here are really good!! Don't forget, they can deliver so you can enjoy the food without walking to the restaurant.

**Aka Sushi [171 Dundas Street. (647) 436-8261]**
A Japanese restaurant that is located near Chestnut (approximately a 3-min walk). Lunch combos with a main dish (sushi, maki, handrolls, chicken teriyaki, you name it), soup and salad are provided everyday. They also offer bubble tea with multiple flavours.

**Cora Pizza and Papa Cëo [654 & 656 Spadina Ave (416) 922-1188 / (416) 961-2222]**
Who's the genius that decided to open a pizza parlour two doors down from another pizza parlour? (answer: Italians) In any case, both bake an excellent pie that puts Domino's to shame. Cëo's is more of a restaurant (it has place to sit down) but Cora is open 'til 3AM, great for those late night study sessions. Slices (a quarter of a pizza) are $4 or less, and have tons of choices, including many vegetarian options. On top of that, it's just a short walk north of campus.

**Sushi & BBQ [294 Dundas Street. (416) 591-8697]**
They offer both traditional Japanese and Korean food like Udon, sushi, sashimi, BBQ beef, etc. You will definitely enjoy the eating here because the ancient Japanese design of this restaurant will make you feel like you are having a meal in Japan.

**New Generation Sushi [493 Bloor St. west (416) 963-8861]**
This restaurant provides the best affordable sushi and other Japanese cuisine around campus. A lunch special will get you miso soup, salad, an entrée, and ice cream for less than $10. Dinner is only slightly more expensive, and is also available for delivery before 10pm. However, if you're going for dinner, reserve a table or be prepared to wait as New Gen can be packed past midnight.

**Future's Bakery and Cafe [483 Bloor St. W (416) 922-5875]**
One of the hot spots in Toronto's Annex neighbourhood, Future's offers an excellent all day breakfast as well as a scrumptious selection of over 40 cakes and other desserts, most notably their variety of cheesecakes! Come by for live music on Tuesday nights or for all you can eat perogies on Wednesdays. Also, check out the U of T student breakfast - breakfast and coffee for five dollars!

**House of Gourmet [484 Dundas Street. (416) 217-0167]**
A Chinese restaurant that provides you over 400 items of Chinese food. They also serve some special combinations that are suitable for one person up to eight people. It closes at 4 am, so it is a good place to relax when you get tired of studying.
Places to go in Toronto

...In the streets of Toronto, fun awaits around every corner...
...But where can you find this fun?

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

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

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

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

The Art Gallery of Ontario
Called the AGO, this recently renovated art gallery is home to numerous paintings and artistic works. A great place to go to bring out the artistic side in you (sometimes you need to embrace your inner artsie...a bit).

The Royal Ontario Museum
Known more affectionately as the ROM, this is a world-renowned museum. Featuring exhibits from around the world, relics from the past and samples from other cultures, there is always something new to see here. Don’t forget that on Tuesdays, general admission to the ROM is also free to all post-secondary students studying at a university in Canada! Check rates online to get the low-down on discounted admission and group rates: http://www.rom.on.ca/
Harbourfront
A great place to go and relax a bit, the harbourfront offers beautiful views of the lake and Toronto Islands, and is a nice place to go walk around. You can usually catch some sort of festival or display going on, so check it out (or check the city’s website) if there’s not much else to do.

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

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

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

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

So if all of that is not enough to satisfy your need to do things, go explore the city, find its hidden secrets and spots for you and your friends to hang out. Toronto always has shows and bands playing around the city, festivals going on, and stuff to do. And if all else fails, you can always go to the movies (AMC at Dundas Square, Scotia Theatres at John St., and other small theatres around). Go discover!
Money and Scholarships

Have you been blacking out too often after pokémon battles? Finding yourself short on Pokédollars? Luckily there are always these resources you can turn to:

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

University of Toronto Advanced Planning for Students (UTAPS)
UTAPS is set up for people who have already received maximum assistance from OSAP and still do not have the necessary financial aid. www.utaps.utoronto.ca

Ontario Student Opportunity Trust Fund (OSOTF) Awards
For admission OSOTF Awards, it is crucial that an admission applicant complete a UTAPS application in order to demonstrate financial need. http://www.adm.utoronto.ca/fa/utaps/utaps_info.htm

Faculty Grants
If you have exhausted all other means of support and still find yourself in financial difficulty, the Faculty can provide assistance in the form of a grant. Fill in an application. http://www.undergrad.engineering.utoronto.ca/support/financial/assistance/Faculty_Grants.htm

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

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

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

UTSU Book Bursary
Offered by the UTSU and U of T Bookstore, the bursary is a partial reimbursement for the costs associated with purchasing textbooks. http://www.utsu.ca/ For more information go to http://www.undergrad.engineering.utoronto.ca/support/financial/assistance.htm

Petitioning

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

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

This petition can be submitted online on [http://www.apsc.utoronto.ca/portal/](http://www.apsc.utoronto.ca/portal/)

**A Petition for Special Consideration** is a petition submitted by a student to request for an academic regulation to be waived. Students should first consult their departmental counselor before submitting this petition.

This petition can be submitted online on [http://www.apsc.utoronto.ca/portal/](http://www.apsc.utoronto.ca/portal/)

**A Petition for Consideration in Course Work** is a petition submitted by a student when he/she unavoidably misses any graded work. The matter should first be discussed with the instructor (and if necessary, submit a petition). The petition must be submitted a week after a student returns to class.

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

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

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**ECF Guide**

Alright Froshies if you’re ever even going to THINK of passing first year, you damn well better learn how to use the ECF (Engineering Computing Facility) computers on campus. There are a bunch of labs all over the place and some are windows computers and the rest are linux based. Don’t self-destruct just yet, it’s not hard to learn (This may all sound like gibberish but remember this for later! On ECF you can’t even print without the proper code).

First off here are all the locations of the computer labs on campus:

<table>
<thead>
<tr>
<th>ECF Lab Locations</th>
<th>Department ECF Lab Locations</th>
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<tbody>
<tr>
<td>Linux</td>
<td>Windows</td>
</tr>
<tr>
<td>SF1012</td>
<td>GB144</td>
</tr>
<tr>
<td>SF1013</td>
<td>GB150</td>
</tr>
<tr>
<td>SF1016</td>
<td>WB316</td>
</tr>
<tr>
<td></td>
<td>SF1106</td>
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Note: ECE also has their own computing facilities, separate from ECF.

**Getting Started**

You already have an account! The password will always be the last four digits
of your student number, followed by the two digits for the month and the two digits of the day of your birth for a total of eight characters. You can change your password at:
https://ssl.ecf.utoronto.ca/ecf/services/passchange
If you do not know your username follow these easy steps to get access your shiny new ECF account:
**Step 1:** Go to any Linux lab and sit down at a computer.
**Step 2:** Type “account” at the login screen, and then select “I want to find out my ECF username.”
Or go to https://ssl.ecf.utoronto.ca/ecf/services/getname
**Step 3:** Follow the instructions on the screen to receive your login name.
**Step 4:** Login with the same login name you just got.

**Using ECEPC Windows Lab**
**Step 1:** Go to a windows lab and sit in front of a computer
**Step 2:** Log in with your given login name and password
**Step 3:** To change your password, press CTRL + ALT + DELETE once, and click on change password.

**IMPORTANT - ECF Mail – YOU ALL HAVE ONE AND YOU SHOULD CHECK IT**
You all have ECF email accounts. Your ECF email address is yourlogin@ecf.utoronto.ca. This is NOT your Utoronto account, this email address WILL expire once (if) you graduate. Pretty much all the emails related to academics, from your department, professors, etc. will all come to this email so check it! If you need to you can go to one of the Unix labs and forward this to an email account that you check regularly. I cannot stress how important this is so use it!

**To forward your ECF emails to another email account**
**Step 1:** Log into ECF’s webmail interface at https://postbox.ecf.utoronto.ca/webmail/ using your ECF username and password
**Step 2:** At the top of the main pane, select “Options”
**Step 3:** Choose “Autoresponder / Mail Forwarding”
**Step 4:** Follow the instructions on that page to set up automatic replies and/or mail forwarding

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

**Printing**
For each term you are given a quota of ‘free’ printing from ECF labs. Going over this limit by 99 will result in a $5 fine per 100 sheets. But don’t worry; you can save prints by printing double sided, multiple pages per sheet etc. Also, a large number of people do not come close to this limit, so if you have friends chances are you can mooch off of someone’s prints if need be. Here a few tips on printing:
- Printers in the ECF labs can sometimes get extremely busy (30+ minute wait for prints), departmental labs are generally less busy. It is best to get your printing done early.
- Colour printing is available in the ECF main office in EA212 but each coloured page takes 20 sheets off of your quota.
**The Terminal**
This is pretty much where you’ll be doing anything that doesn’t require pointing and clicking and you’ll be using it quite extensively in programming courses. To open the Terminal there should be a shortcut on the bottom bar. However, if there isn’t you can go into System Tools > Terminal to access it.

**SSH – Connecting to ECF from home**
To access the ECF computers from your home, you can use a program called an SSH client. One of the most popular ones for Windows is called PuTTY and you can get it from http://www.chiark.greenend.org.uk/~sgtatham/putty. The file you want is called “putty.exe”, there is no installation, so just save it somewhere. To check your email from home or any terminal, just type pine once you’ve logged in.

**Using PuTTY**
Start the program and on the main screen enter the following:
Hostname: remote.ecf.utoronto.ca  Port: 22
SSH button should be selected. Click keyboard in the panel on the left, and set “The Backspace Key” to “Control-H” (don’t ask, silly F!rosh!). Click open, then enter your login and password. Once PuTTY is started, it’s used pretty much the same as the Terminal in the Linux labs.

**FTP – Getting files from your computer onto your ECF account and vice versa**
The way I like to do things is with a program called Win-SCP, available at http://www.winscp.net. Once you’ve installed it and have run it, click on “New” in the main window. Enter the following:
Hostname: remote.ecf.utoronto.ca  Port: 22
Username and password are your own
NOTE: you might need to choose SCP as your transfer protocol.

Once it has connected, it is pretty much drag and drop to transfer files over!

A guide to remote access can be found at:
http://www.undergrad.engineering.utoronto.ca/students/ECF/Remote_Access.htm

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

- `cd [directory]` – Changes the current directory folder to [directory]
- `cd ..` – Go to the previous directory
- `pwd` – Tells you what the current directory is (short for present working directory)
- `ls` – lists the contents of the current directory
- `cp [source] [destination]` – Copy a file from [source] to [destination]
- `mv [source] [destination]` – Moves a file from [source] to [destination]
- `rm [filename]` – Deletes the file named [filename]
- `mkdir [directory]` – Creates a new directory named [directory] in the current directory
- `rmdir [directory]` – Deletes the directory named [directory]
- `chmod` – Changes a file attributions and properties (who has permission to read, change or execute it)
MSDNAA – i.e. FREE Microsoft products
You...have the POWER... I mean access to MANY Microsoft products legally for FREE. Yes, FOR FREE. For example, you can download Windows 7, Vista, XP, 2000, OneNote, Visual Studio, MapPoint, Visio, and many more for free with your own MSDNAA account (login details will be sent to your ECF email once the school year starts). I suggest you take advantage of these programs because they can assist in being more efficient with your notes, presentation, lab reports, programming assignments and much much more! Best of all, it’s free (after paying your tuition)!

Please visit http://ecf.utoronto.ca/ecf/ for more information.

Tips for Saving Paper

One-Sided Paper Bin
Look out for one-sided paper bins in computer labs near you! There are bins in every lab reserved for sheets with one side blank. If you have any one-sided paper that you no longer need, please place it in this bin. This paper is available for you if you need any one-sided paper to write notes on/use as scrap paper!

Printing in Unix Computer Labs
Printing Double Sided: Select a printer with the letter ‘d’ at the end of the printer name. For example, ‘sf1013ad’ will print double sided, but ‘sf1013a’ will not.
Removing the Header Page: When the list of printers pops up, at the bottom of the window uncheck ‘Print Banner Page’.
Multiple Pages per Sheet: When printing a PDF, ‘Multiple Pages per Sheet’ will be under ‘Page Scaling’ in the main print menu. To print from a website or an open office application, the option is found under the ‘Page Setup’ tab.

Printing in Windows Computer Labs
Printing Double Sided: After selecting a printer, click ‘properties’. Under ‘basic’ tab, look for the subheading titled ‘Duplex’. Select ‘print on both sides’, as well as ‘flip on long edge’ (for binder-friendly pages!).
Multiple Pages per Sheet: In the main print menu, look for a section titled ‘page handling’ or ‘zoom’ (depending which program you’re printing from). Under these headings, look for ‘Multiple Pages per Sheet’ or ‘Pages per Sheet’.

Wireless on Campus

UTORCWN, the University of Toronto Campus Wireless Network is accessible with any computer equipped with wireless technology. For extra information such as wireless coverage maps or other details, visit http://www.wireless.utoronto.ca.

To start, the wireless WEP for all wireless access points is “UToronto1home”. To log in, simply use your portal user and password. You should be connected soon after running a scan tool. After the scan tool runs and checks that your computer is safe, you should have successfully gained access to the wireless network! Enjoy!
Godiva’s Hymn

Every engineer must know ALL the lyrics to the glorious Godiva’s Hymn! Okay well, maybe the upper years still haven’t figured out the lyrics past the first two or three verses, but the more you memorize, the more points you’ll get as being the coolest among the F!rosh.
(tune: The Battle Hymn of the Republic)

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

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

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

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

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

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

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

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

An Engineer once came to class so drunk and very late,
He stumbled through the lecture hall at an ever-diminishing rate.
The only things that held him up and kept him on his course,
Were the boundary condition and electromotive force.
Ace Towing roams the streets of Yorkville each and every night,
They tow the cars, and stow the cars and hide them out of sight.
They tried to tow Godiva’s Horse, the Engineers said “Hey!”
They towed away the towing truck, and now the Ace must pay.

A UofT Computer man got drunk one fateful night
He opened up the console and smashed everything in sight.
When they finally subdued him, the judge he stood before
Said, “Lock him up for twenty years, he’s rotten to the core!”

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

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

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

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

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

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

We saved our dough for years to send the kid to UofT
Although we knew it was a place of wild depravity,
But now we know our kid is safe and we should have no fear
He’s never even heard of sex cause he’s an Engineer.

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

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

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

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

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

An Eng Sci man from UofT went out and drank his fill.
He came then to a strip joint, ’cause he had some time to kill.
The motions that he witnessed there excited all his nerves,
And he filled eleven napkins with equations of the curves.

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

UofT was UofT when Ryerson was a pup,
And UofT will be UofT when Ryerson’s time is up,
And any Ryerson son of a bitch who thinks he’s in our class,
Can pucker up his rosy lips and kiss our purple ass!

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

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

On reading Kama Sutra, a guy learned position nine.
For proving masculinity, it truly was divine.
But then one day his girl rebelled and threw him on his rear,
For he was a feeble Artsie and she was an Engineer.
The Artsie thought he had it all, his girlfriend disagreed
One day she up and left him; he could not fulfill her needs
"Where are you going?" The Artsie cried, half-naked from the dorm,
"To find an Engineer," she said, "At least they can perform!"

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

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

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

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

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

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

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

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

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

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

Professors put demands on us, they say we have to tool,
But all we want to do is sleep, WE HATE THIS FUCKING SCHOOL!
You can bitch or tell us off, abuse us if you please,
But we’re all set to graduate and ALL WE NEED ARE C’S!

A UofT Engineer once found the gates of Hell,
Looked the devil in the eye and said, “You are looking well.”
Satan just returned the glare and said, “Why visit me?”
You’ve been through Hell already, since you went to UofT!

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

A wide-eyed Artsie Chemist and a Chemical Engineer
Were formulating molecule equations over beer,
Each drank a glass of water, but the Artsie hit the floor,
For what he thought was H2O was H2SO4!

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

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

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

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

All Eng Sci types in second year are really in a plight,
They’re the masochistic ones, who haven’t seen the light.
After two more years they will be just as brain dead,
As any first year Civil Engineering cement head.
A maiden and an Engineer were sitting in the park,
The Engineer was busy doing research after dark.
His scientific method was a marvel to observe,
While his right hand wrote the figures down, his left hand traced the curves.

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

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

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

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

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

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

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

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

Yay Skule™!

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

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

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

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

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

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

**Hey, Look Us Over**
Hey, look us over,
Lend us an ear,
The Lady Godiva Memorial Band is here!
We’ve got the music,
We’ve got the jive,
We may be in a drunken stupor but we’re still alive.
So if you don’t like our “music,”
Give us a beer,
And maybe next time we will disappear,
For we still got a little bit left to drink,
Like maybe forty beers,
After all we’re engineers.
Rubber Ducky
Rubber Ducky, you're the one. 
You make bathtime so much fun. 
Rubber Ducky, I'm awfully fond of you. 
Boo boo de doo!

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

One, two, three, four!

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

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

Why Are We Waiting?
Sung to the tune of (Oh Come All Ye Faithful)

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

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

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

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

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

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Email (@skule.ca)</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Kevin P. Siu</td>
<td>president</td>
</tr>
<tr>
<td>VP Finance</td>
<td>Ryan Bradley</td>
<td>vpfinance</td>
</tr>
<tr>
<td>VP Communications</td>
<td>Abhishek Mathur</td>
<td>vpcomm</td>
</tr>
<tr>
<td>VP Academic</td>
<td>Yi-Wei Ang</td>
<td>vpacademic</td>
</tr>
<tr>
<td>VP External</td>
<td>Mauricio Cubelo</td>
<td>vpeexternal</td>
</tr>
<tr>
<td>VP Student Life</td>
<td>Albert Huynh</td>
<td>vpstudentlife</td>
</tr>
<tr>
<td>Archivist</td>
<td>Rachit Tyagi</td>
<td>archivist</td>
</tr>
<tr>
<td>Cafeteria Finance Manager</td>
<td>Donnie Yee</td>
<td>cafeteria</td>
</tr>
<tr>
<td>Cafeteria Operation Manager</td>
<td>Gibran Kichlu</td>
<td>cafeteria</td>
</tr>
<tr>
<td>Cannon Editor</td>
<td>Nicole Deen</td>
<td>cannon</td>
</tr>
<tr>
<td>Cannonball Chair</td>
<td>Sandra Sousa</td>
<td>cannonball</td>
</tr>
<tr>
<td>Career Fair Director</td>
<td>Art De Guzman</td>
<td>careerfair</td>
</tr>
<tr>
<td>Chief Returning Officer</td>
<td>Milos Uskokovic</td>
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<tr>
<td>Community Outreach</td>
<td>Nitla Cooke</td>
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<tr>
<td>Comp Sys Admin</td>
<td>Rafał Dittwald</td>
<td>sysadmin</td>
</tr>
<tr>
<td>EngCom Admin</td>
<td>Hubert Ka</td>
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</tr>
<tr>
<td>Flosh Handbook Editor</td>
<td>Maegan Chang</td>
<td>handbook</td>
</tr>
<tr>
<td>Gradball Chair</td>
<td>Prachy Mohan</td>
<td>gradball</td>
</tr>
<tr>
<td>Hi-Skule™ Liaison</td>
<td>Huda Idrees</td>
<td>hskule</td>
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<tr>
<td>Ombudsperson</td>
<td>Owyn Notario</td>
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<tr>
<td>Orientation Chair</td>
<td>Saminur Majumder</td>
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<tr>
<td>Professional Development</td>
<td>Roshan Thenapalan</td>
<td>profdev</td>
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<tr>
<td>Skule™ Points Director</td>
<td>Michelle Cho</td>
<td>points</td>
</tr>
<tr>
<td>Skulebook Editor</td>
<td>Zoriana Workun</td>
<td>skullbook</td>
</tr>
<tr>
<td>Speaker</td>
<td>Jonathan Ng</td>
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<tr>
<td>Sponsorship</td>
<td>Layan Kutob</td>
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<tr>
<td>Stores Finance Manager</td>
<td>Dan Liu</td>
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<tr>
<td>Stores Operations Manager</td>
<td>Akid Azfar</td>
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<tr>
<td>Student Issues</td>
<td>Denizcan Karadadas</td>
<td>studentissues</td>
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<tr>
<td>Suds Finance Manager</td>
<td>Ian Parker</td>
<td>suds</td>
</tr>
<tr>
<td>Suds Operation Manager</td>
<td>Navid Nourian</td>
<td>suds</td>
</tr>
<tr>
<td>Toike Oike Editor</td>
<td>Freddy Chen</td>
<td>toike</td>
</tr>
<tr>
<td>UTEK Director</td>
<td>Valentin Peretroukhin</td>
<td>utek</td>
</tr>
<tr>
<td>Webmaster</td>
<td>Peter Raimondo &amp; Addie Denison</td>
<td>webmaster</td>
</tr>
<tr>
<td>Blue and Gold Chair</td>
<td>You Wish!</td>
<td>blueandgold</td>
</tr>
<tr>
<td>Chief Attiliator</td>
<td>Kat Daganis</td>
<td>kaboom</td>
</tr>
<tr>
<td>EAA president</td>
<td>Alex Martins</td>
<td>eaa</td>
</tr>
<tr>
<td>LGMB Leedur</td>
<td>Kat Daganis</td>
<td>lgmb</td>
</tr>
<tr>
<td>Skule™ Nite Liaison</td>
<td></td>
<td>skulenite</td>
</tr>
</tbody>
</table>
### Numbers

Hey Froshies! Here are some helpful phone numbers!

All numbers start with (416) 978 unless stated otherwise.

<table>
<thead>
<tr>
<th>Service</th>
<th>Phone</th>
<th>Service</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Emergency</td>
<td>2222</td>
<td>Student Accounts Office</td>
<td>2142</td>
</tr>
<tr>
<td>Engineering Society Office</td>
<td>2917</td>
<td>First Year Advisor</td>
<td>4625</td>
</tr>
<tr>
<td>Engineering Stores</td>
<td>2916</td>
<td>First Year Chair</td>
<td>4625</td>
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<tr>
<td>UTSU</td>
<td>2911</td>
<td>Dean of Engineering</td>
<td>3131</td>
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<tr>
<td>UTSU info</td>
<td>INFO</td>
<td>Vice-Dean of Engineering</td>
<td>1904</td>
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<tr>
<td>UofT Bookstore</td>
<td>7900</td>
<td>Robarts</td>
<td>6215</td>
</tr>
<tr>
<td>Career Centre</td>
<td>8000</td>
<td>Sandford Fleming</td>
<td>6494</td>
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<tr>
<td>Health Services</td>
<td>8030</td>
<td>Athletic Centre Inquiry</td>
<td>3436</td>
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<tr>
<td>Housing Services</td>
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<td>Recreation Information Line</td>
<td>5845</td>
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<tr>
<td>Counselling and Psychiatric</td>
<td>8070</td>
<td>Hart House Hall Porter</td>
<td>2452</td>
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<tr>
<td>Services</td>
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<td>Sexual Harrassment Office</td>
<td>3908</td>
</tr>
<tr>
<td>Accessibility Services</td>
<td>8060</td>
<td>University Omsbudperson</td>
<td>4874</td>
</tr>
<tr>
<td>Office of the Registrar</td>
<td>5896</td>
<td>Campus Police (information)</td>
<td>2323</td>
</tr>
<tr>
<td>Financial Aid Advisor</td>
<td>2190</td>
<td>Engineering Career Office</td>
<td>3881</td>
</tr>
<tr>
<td>Scholarships &amp; Awards Officer</td>
<td>2190</td>
<td>Math Aid Office</td>
<td></td>
</tr>
<tr>
<td>ECF Office</td>
<td>4250</td>
<td>Bat Fone</td>
<td>(416) 946 3165</td>
</tr>
<tr>
<td>International Student Centre</td>
<td>2564</td>
<td></td>
<td>(416) 946 5412</td>
</tr>
</tbody>
</table>

### Websites

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

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

Glossary

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

B
Barbeque Pork on Rice – (noun) You’ll be eating this a lot.
BEvERages – (noun) read between the lines…
BFC – Sorry, typo. I meant to say nothing.
Blue & Gold – 1. (noun) Skule™ colours. 2. (noun) Two people that will provide you with lots of fun social events.
Bnad, The – Pretty much the greatest marching band in history, so great that the must be closely followed by the cannon to protect from jealous artsies.

C
Cannon, The – 1. (noun) Skule™ mascot. The best mascot ever, fired at important events. 2. (noun) The “other” engineering newspaper (see entry for Toike Oike).
Calculus – (noun) Scary.
Chariot Race – A race consisting of chariots from every faculty. Frosh are used as speed bumps.
CHEM – Chemical Engineering (pronounced Phem). See entry for Girl
CIV – Civil Engineering (The kids who build big bridges and buildings cause they like big things and wish they had big things.) If you’re white, there’s a good chance you’re in Civ.
Commuter – (noun) person who sleeps in common rooms, other people’s dorms, the Pit, etc. a couple times a week.

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

E
NOT an oxymoron.
ECEn – Electrical and Computer Engineering (They can program a plane to stay in the air but there is no programming a shower.)
EngSci – (noun) people who thought high school was too easy but are now in way over their head. Occasionally will switch into Min for jokes.
Epic Fail – A failure of epic proportions.
Ex-EngSci – Engineering Science second year

F
First Year Committee – (noun) where you learn how to get in trouble.
Frosh – (noun) that’s you, silly Frosh. You get to be a second year when next year’s class walks out of Con hall for the first time during 1T1 Frosh week. Until then, do your best to impress upper years with your antics.

G
Girl – (noun) a Chemical engineer.
Godiva Week – (noun) the first week back of second semester. Things will get crazy…

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

I
Indy – (noun) industrial engineering. No one knows what they do, we all suspect they make it up as they go along. Often speak Spanish…
Iron Ring – (noun) a $40,000 bottle opener.

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

K
Keener – (noun) A person who sits at the front of the class, tries to answer all the prof’s questions and gets upset when they “only” got a 90 on the midterm. Usually very annoying.
LGMB – (noun) Lady Godiva Memorial Band. The real engineering band. Every engineer is a member!

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

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

MIN – (noun) Mineral Engineering. A small discipline that gets tons of tuition money thrown at them because they’re so rare. Also, they love rocks.

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

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

Mudkipz – i herd u liek dem

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

Pokémon – (noun) A game and TV show. A nice way to escape from the realities of engineering.

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

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

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

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

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

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

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

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

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

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

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

Waterloser – (noun) A Waterloo engineer. No school spirit. Aren’t you glad you didn’t go there?
The Engineering Career Centre (ECC)

The Engineering Career Centre (ECC) serves to prepare all undergraduate engineering students for their future careers as well as Alumni within two years of graduation. The ECC has extensive experience with career development preparation and student support to ensure a productive and successful experience that will enhance the individual’s success and contribution to the profession and society. Working towards this objective, the Engineering Career Centre runs various programs and services to connect Engineering students with opportunities within industry.

PROGRAMS

PEY Program
The Professional Experience Year (PEY) Internship Program is the largest undergraduate paid internship program in Canada. The PEY program provides 2nd & 3rd year students with 12-16 month paid internships wherein they can apply their knowledge in a project-based professional environment, crucial to their ongoing career development.

eSIP Program
The Engineering Summer Internship Program (eSIP) is a paid 4 month summer co-op program available to 2nd & 3rd year engineering students.

IOP Program
The Infrastructure Opportunities Program (IOP) Program is a specialized program open to 1st year Civil engineering students. It provides a uniquely comprehensive, multi-industry experience.

SERVICES

Career Development & Preparation
The Engineering Career Centre’s Counselors and Staff are available throughout the year to meet with all 1st year to 4th year engineering students to prepare them for their career path upon graduation. This is achieved through Development Workshops, Seminars, and individual appointments, available throughout the year. In addition, the ECC works closely with Employers from various sectors to provide opportunities for students interested in pursuing Internships, Co-ops, Summer & New Grad employment.

New Grad & *Alumni Development Series - What NOW? Life after Skule™
The New Grad & Alumni Development Series is focused on providing support to engineering 4th year students and new graduates to assess and effectively market their skills.
Hey! Where's the food?

The HARD HAT CAFÉ
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- Beef Patties
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- Refreshments
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Members receive news about local events including presentations offered by PEO chapters and other organizations. You also have opportunity to have PEO and members of the engineering community answer your questions about engineering.

For more information and to register visit:
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ac.yrekabsoiram
Hey Froshie! As the final item of interest in your Skulédx, may I present you with the MAP. You’ll need it to navigate yourself on the journey to collect your final badge, the coveted IRON RING. At first, you may be confused by these acronyms but eventually they will be integrated into your everyday speech. Until then, you can refer to pages 81 and 82 for some help.

Good luck on your path to becoming a Skule™ Master!