

# The University Engineers' Club

# FRESHER HANDBOOK 2021

Your Literal Bible for First Year: For Students, Written by Students

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# About UEC

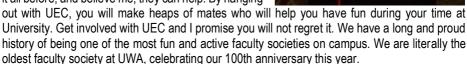
The University Engineers' Club (UEC) is the Faculty Society for all students studying in the Faculty of Engineering and Mathematical Sciences (EMS) at the University of Western Australia, but our events are open to **everyone!** As a Faculty Society the UEC acts as a medium between EMS students, the EMS Faculty and the Guild.

#### Advice from President Zandi

Congratulations on surviving your first encounter with UEC. Our main purpose is to make your university experience a great one by running educational, social, welfare-based and careers oriented events.

You are currently reading a book that is probably *more* valuable than all your textbooks combined (not that you should buy textbooks anyway). Our lovely committee has compiled all their dos and don'ts into this to give you a head start at university, so I would definitely recommend paying attention!

As a fresher you'll meet people who have been through it all before; and believe me, they can help! By hanging

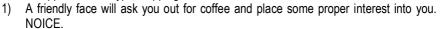


As a first year you may often find yourself confused and even somewhat overwhelmed, but fear not, UEC can help! The primary goal of UEC is to help students make friends, pass University, and hopefully get a job at the end of it. A good place to start is coming to one of our **MANY social events**. Our first event is a sundowner in week 1. This is a great way to get involved, make friends and have a tonne of fun!



#### Advice from old students

- ATAR is irrelevant now. Anyone can get into UWA. No one cares what school you went to, so leave it at the door.
- Join a hobby club, find friends, play a social sport or even better come to UEC events.
- Lectures are important (can be skipped tho if the prof is just reading from the unit reader or lecture slides), Tutes are must go's. Make some older friends in your field as they probs have the past papers, and can offer advice.
- 4. \*\*MOST IMPORTANT\*\*: Don't, please don't get baited into running for OGC in a guild party. Usually this will happen via honeypot trapping:



- 2) Then after a bit of woo's, ahh's and some subtle flirting, BANG your in a Guild party running for OGC and now hated by everyone. NOT NOICE
- 1. Party hard, Study harder
- 2. Come to Mid year rotto.
- 3. Come to keggers.
- 4. Get good at beer pong.
- If you come across someone who is referred to as a "BNOC" (Big name on campus) then turn in the other direction. Little do they know that BNOC actually stands for "Bro, no one cares".
- ong.
  someone who is
  NOC" (Big name on
  in the other
  they know that
  nds for "Bro, no one

6. Buy a casio fx-991ex. This calculator can do much more than a regular scientific but is still approved by UWA (cuts 30 mins off exams)



#### 1.1. Meet the Committee

# EXECUTIVE COMMITTEE - the ones with the pants

President Emma Zandi president@uec.org.au



Secretary Liv Kerr secretary@uec.org.au



Treasurer Connor Winter treasurer@uec.org.au



Social Vice-President Celina Chong social@uec.org.au



Welfare Vice-President Angus Bruce welfare@uec.org.au



Careers Vice-President Andries Swart careers@uec.org.au



**Education Vice-President** Alex Shearer education@uec.org.au

They have the pants, they wear the pants so come to these guys for all your needs regarding UEC. Go say Hi and maybe get to know them I guess but beware of Brucey and Shearer or not it's up to you, your funeral.

OFNEDAL COMMITTEE				
GENERAL COMMITTEE				
Mathematics Rep Max Dix-Matthews	Equity & Diversity Rep	Social Rep Callum Brown		
	Helen Wylie			
Physics Rep	Welfare Rep	Social Rep		
Gavin Pikes	Afarin Hosseini	Max Beard		
Undergraduate Rep	International Rep	Female Sports Rep		
Kylee Kotula	Saad Amwar	Stephanie Harrington		
Postgraduate Rep	Careers Rep	Male Sports Rep		
Sheldon Kristianopulos	Niaz Rahman	Div Siwach		
Computer Science Rep	Careers Rep			
Oliver Winter	Wytse de Boer			
Promos Officer	Orientation Director	Female Fresher Reps (x2)		
Tom Kinsella	**Fresher Sheriff** -	Male Fresher Reps (x2)		
Adam Fielding	Emma Harrington	THIS CAN BE YOU!! ONE		
THEBSE (The Honorable		OF US!!		
Esteemed Bend Sinister	Here is your mum, freshers.			
Editors)	Obey:)	Fresher elections will be		
Sachio Ingrilli		held prior to Texicana (Imao		
Sam Benson		if it runs) at kegger 2. So get		
**the real leadership**		your ass and mates down		
Tongmaster		there. It is very entertaining		
Rory McSweeney		to watch even if you are not		
Webmaster		running!		
Alex Crier		··········3·		
Merchandise Officer Emma				
Lathbury				



# 1.2. History

UEC was formed on 8th September 1921. For a brief period, UEC was named the D.B.A i.e the Dirty Bastards Association but due to some dissatisfied members, it was renamed to the University Engineers Club. To be honest, we are still the DBA at heart, keggers and the clough fridge are testament to this.



# 1.3. Membership

To be a part of this incredible club, you can sign up for the low cost of \$5 at either O-day, Club Carnival, any of our events or even message our facebook page. Otherwise message your



Fresher Sheriff (mum) for guidance (psst. just go to clough)!

Membership gets you: very rare club lifetime membership (PART OF THE SHIP, PART OF THE CREW), \$5/\$10 off all our events and MOST IMPORTANT get you awesome student deals at Varsity Nedlands, \$5 pints of VARSITY LAGER BARMAN.



UEC T-Shirts are king, get one to become a true engineer. Perfect for all occasions and events, also get you a \$5/\$10 event discount on events, on top of the membership discounts. You don't have to be an ECOMS student to see it is a quality investment.



# 1.5. UEC Facebook Page and Social Media

We use these to tell you when shit is on, you probably want to follow them. Look at the back few pages for QR codes if you're lazy like me.

#### Like us on Facebook

https://www.facebook.com/universityengineersclub/



The 2021 Fresher Page (super important) https://www.facebook.com/groups/2984553728439909



# 2. Campus Life and Clubs

# 2.1. Food and Drink

#### 2.1.1. UEC BBQ

UEC puts on a Sausage Sizzle every Friday to appease the hunger of the masses. Just \$1 gets you a sausage in a bun, outside EZONE North at 12pm. If you wear your UEC T-Shirt you can get a **FREE** snag! Another glorious reason to buy one of our funky T-Shirts.

# 2.1.2. The Refectory

This was only just finished in 2019 and has awesome food. Heads up that the Chinese place gives out free food (leftovers) at around 3pm.

# 2.1.3. Broadway

Broadway has a variety of Asian food, kebabs and an IGA for those who still can't decide. Also home of Varsity, you will know this place soon enough.

#### 2.1.4. UWA Tavern

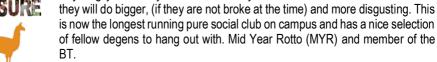
Place for banter, beers and more beers. Also, do a mean St Patricks day & Oktoberfest.

## 2.2. Social Clubs

2.2.1. Leisure

LEISURE

Anything you think you can do socially





#### Sober?

Another decent social club. Please note: the name is ironic. Used to run Frat parties but now only good for student take-overs at Ave. Think of them as analogous to leisure mixed with emas degens.







# 2.3. Sporting Clubs

2.3.1. UWA Ultimate Frisbee Club Yes, it's a sport. Engineers are somehow the best at this sport. If you want to get involved, talk to someone from UEC as they go hand in hand.

# 2.4. General Clubs for interest

#### 2.4.1. EWB

Not for profit club, focused on creating change through humanitarian engineering. Lots of cool volunteering opportunities. Would recommend it.



They build a car and compete in Formula SAE yearly. Really involved club and can suck up a lot of your time, but time is well spent and rewarding (CAR GO FAST)

# 2.4.3. UWA Aerospace

Better funded and more efficient at rocket building than the North Korean missile program. Another proper involvement club but again time well spent (ROCKET GO REALLY FAST). Ask Sachio for more.

# 2.5. Other Major Players of Interest

#### 2.5.1. Science Union



They are like us, but for the whole of science. So basically the same events but for science things and stuff. Hold one of the only camps for freshers that isn't banned. This is because the camp much like SU, is a little toned down, proper cringe and is full of normies and guildhacks:). Still a quality fresher pissup to get you introduced to uni life.

# 2.5.2.

#### **ECOMS**



ECO.....excuse me I need to puke again, is the Business School Faculty Society full of private school kids, rich international students, and wannabe Wolf of Wall Street types. As Finance is usually the double degree of choice for engineers, you may see these buggers in blue.

Of course, they love to spend their trust money, so they love throwing expensive parties, where expensive means the ticket price and not the food or drink (think party pies and Cubs lager).

#### 2.5.3. Arts Union

Arts faculty society, nuff said. They like to draw with paint and crayons. Most are commies, and commies are bad.

#### 2.5.4. Blackstone

Call crime stoppers 1800 333 000, kidding or maybe...... These are the lawyers, learn them, study them, hate them.





# Social

Well Done. You've made it to Uni. This could possibly be the best time of your life, think all the fun you had at school, but with more people, more drinking, more freedom! The most important thing that you have to do now is GET INVOLVED. So many people will go through their whole university life without ever joining a club and never meeting anyone apart from who they hung out with at school, which is mighty sad. UEC is one of the most inclusive clubs when it comes to social events. So, sign up, buy the shirt, go to the events, forget the events and most importantly meet some people that will come to be your best friends.

Your Fresher year has the least obligations and responsibilities which means that you have more time to piss fart around. So, walk up to those lovely people in their yellow shirts, join UEC, and let the next 3 to 6 years of alcohol addiction, sleep deprivation, STI collecting, stomach expelling, and brain haemorrhaging begin.





# 4. General Tips and Tricks

# 4.1. Parking



Parking = Non existent. As a Fresher just catch the bus; you might even make friends with the 950 bus driver.

If you must drive because you are lazy or born in the GT:

**Park in the surrounding streets:** Follow the parking signs but the streets only get checked about once a semester so you will generally be fine, but do not come at us if you get a ticket, thanks (its only 60 bucks tho, cheaper than a permit). This is the same with the parking lot at Broadway shopping centre.

Our advice is to take public transport/ cycle/ motor bike (free parking at UWA), but realistically, if you have a car you can't ever be arsed sitting with the plebs on the bus.. Just prepare for ungodly wake up times if you want to get a park in time.

# 4.2. Exams and Assessments

There is a lot of dry information that covers this topic. If you are particularly interested, then check out the EMS Faculty page https://www.student.uwa.edu.au/faculties/ems-students.

# 4.3. Scaling

So units are not really scaled anymore publicly, but bell curves make professors look good so who knows what happens.

#### 4.4. Units

It is important to have fun at University, but never forget you need to graduate eventually and failing is expensive. Make time to study as it is not just about passing. Your marks go towards your Weighted Average Mark (WAM) and Grade Point Average (GPA). WAM concerns the percent/final grade of your units

Grade	WAM	GPA
Fail	<50%	0.0
Pass	50% - 59%	4.0
Credit	60% – 69%	5.0
Distinction	70% - 79%	6.0
High Distinction	80%<	7.0

and is commonly used to dictate whether you get hired by employers or can commence a Master's Degree. GPA is also relevant when commencing a Master's Degree and in some cases can dictate who is in your group for group assignments. GPA and WAM are both averaged across all units in your degree.

Overloading is when a student decides to enrol in more than 4 units. This is generally because the number of units left exceeds the 3 year recommended period. Only do this if you are sure you can manage the load and take into consideration contact hours, assignments and course difficulty. (Note from Ed VP: overloading sucks)

In contrast, you can underload which is enrolling in 3 units. This still classifies as full-time study. People will generally only do this for work or sporting commitments. Underloading will make your degree during the semester more chill, but this will extend your degree by at least a semester unless you do summer unit(s).

Note there has been a change in unit codes and structure in the past couple of years, so when looking for past papers bear this in mind. This can generally be worked out



through the incompatibility of units in the unit requirements. Many units have changed, but go see the awesome ladies at the engineering department, they'll sort you out.

#### 4.4.1. Core Engineering Units

4.4.1.1. Academic Conduct Essentials; A.C.E

ACE is a compulsory module, covering details regarding plagiarism and collusion penalties. The message is straightforward; **don't do it!** It doesn't help you learn and can get you in a whole lot of trouble. All online via LMS, best to complete them before semester starts or in the first week.

4.4.1.2. ENSC1003

Introduction to Professional Engineering: This unit is a kick in the balls to creativity but is honestly quite easy. Make sure you get in a good group and the best news is there is no exam! Don't be late to info sessions as quizzes are easy marks. Be very nice to your tutor as they mark your work. Make sure you do whatever you tell your team you will, or they will mark you down...and you deserve it!

#### 4.4.1.3. ENSC1004

**Engineering Materials:** This unit comprises two sections; statics and fluid mechanics is the first part and engineering material is the second. Doing half an hour of study before your weekly quiz will ensure you don't lose easy marks. Once you understand statics any question is doable, just watch your negatives/direction. The materials section is chemistry revision



but then gets harder. Use the textbook from the library and you'll breeze through it. You build a truss bridge and take apart an air compressor or something... "fun" stuff!

#### 4.4.1.4. MATH1011/MATH1012

Multivariable Calculus and Mathematical Theory and Methods: Ok so these units are HARD. That means that the tiny stuff like SOWISO (online maths homework) worth something stupid like 9% will probably be the difference between passing or failing so do it! Ask older students for their material and do all practice/tutorial questions given to you as those who teach it are pretty uncreative when it comes to questions. Course Materials Online will save you for your exams.

4.4.1.5. CHEM1002 (chemical specialisation)

Chemistry Structure and Reactivity: Chemistry is full of easy marks; a multiple-choice quiz is once a week and all the labs are based on the work that you cover in the lectures. You should go to these lectures and don't be afraid to ask for help. For the exam you'll



probably not have all the needed formulae on your equation sheet so make sure you prepare properly. Follow the steps in your labs word for word otherwise everything will screw up and your crystal meth will be of an inferior quality.

4.4.1.6.

Form and Function: Very hard if you have not done human biology in high school or are shit at rote learning. Make sure you do as many past exams as you can as they like to reuse questions. Make an effort to make friends with the smartie pants in your labs and such, so that you can learn tricks and study with them. Also, you can generally find a heap of flashcards on Quizlet if that is your learning style.

IMED1001 (biomedical specialisation)



4.4.1.7. PHYS1001 (non-chemical/biomedical specialisation)

**Physics for Scientists and Engineers:** These lectures can be interesting, so they are worth attending. The unit has some questions that would drive Einstein insane. Thankfully it is mostly multiple choice so if your numbers match a choice then it's probably a good sign. Most questions just use a formula from your sheet; easy! The practice questions and past papers give you the answers for 75% of your questions so stress not!

# 4.4.2. Broadening A broadening unit is a unit outside of your degree-specific major. For example maths, finance or music basically anything outside of engineering science. These are entirely up to you and you can choose to do ones relevant to you or easy ones to boost your GPA/WAM. If you choose to do a second major or a minor this will count for your broadening units. For an easy HD try African drumming or Our universe.



# 4.4.3. Enabling

You are required to have WACE (or IB equivalent) competency in Mathematics Methods and Specialist, Physics and Chemistry. Enabling (bridging) units are available to bring you up to speed:

- CHEM1003 Chemistry
- PHYS1030 Physics
- MATH1722 Mathematics Specialist
- MATH1721 Mathematics Methods
- MATH1720 Mathematics Applications

#### 444 Outlines Course coordinators must provide you with a unit outline before the beainnina semester, usually found on LMS online. These include handy information like contact details, unit structure, recommended textbooks, but most importantly assessment details and penalties for late submission. Definitely take note of your assessment dates so you can stay on top of them.



#### 4.5. Centrelink

When applying you should apply ASAP. This is because back payments occur once your application has been successful from the day that you applied. Make sure to check back on your application prior to course commencement to ensure that it has been approved. To apply though you must be eligible:

Have to live away from your family home (because it's in woop woop or something)

OR

You don't earn a lot and your parent(s) are poor OR

You don't earn a lot and you're 22+

#### 4.6. Textbooks

YOU DON'T HAVE TO BUY THE **BOOKS**. Very rarely will the book even help you. Wait until you're in the first few weeks of your course and then decide if you need the book as they are more expensive than a French mistress doused in goose tears with saffron pubes. "required" textbooks are available in the high demand section of the libraries if you need them. Most units will provide enough information for you to learn from, especially if you watch the lectures. Before buying a brand new book make sure to check



out the second hand bookstore in the Guild courtyard or StudentVIP website. Also, if you are friendly in your labs or tutes, sometimes you will make a friend that has a PDF of the textbook, so ask around.

#### 4.7. Calculator

Only approved calculators can be used for exams and assessments and for it to be considered approved you need to get a sticker put on it from the Engineering Student Office in EZONE or the library info desks. Remember to do this as you don't want to be that dick in the exam that has their calculator confiscated. Tip: get a Casio Scientific Calculator fx-100AU PLUS as it can deal with complex numbers and it will literally save you in exams.

# 4.8. Special Consideration

Special Consideration is so important – so USE IT. This can be used from anything from sporting commitments/competitions to sickness. Make sure that you have some sort of proof such as a doctor's note or competition entry form. https://www.student.uwa.edu.au/course/exams/consideration

# 4.9. Useful Links

# 4.9.1. Learning Management System (LMS)

First place you go to for information regarding the units you are enrolled in. Your lecturers will post lecture slides, tutorial problems and solutions here (Careful: lecturers may use personal sites). Also, LMS is home to ECHO, the online lecture capture system. Make sure you have a look around here for each of your units to find useful information and content.

# 4.9.2. Lecture Capture System (LCS)

Lectures can be streamed or downloaded, meaning you can get all the information you need from lectures from the comfort of your own bedroom. Going to the lectures is important, but it's nice to have a fallback plan if you can't make it. Hot tip: lectures can be viewed at increased speeds for efficient learning \*\*cough\*\* cramming.

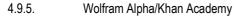
#### 4.9.3. UWA Handbook

This is where you can find any information about what units you should be doing and when. <a href="https://handbooks.uwa.edu.au/">https://handbooks.uwa.edu.au/</a>

#### 4.9.4. Student Connect

Administrative things including: update personal info, enrolments, exam timetables, unit results and progress status, view statement of account and pay SAAF. You can also register your SmartRider for student fares and parking permits.





Knowledge engine. Especially useful for maths questions where no solutions are given. Also Khan Academy saves lives and degrees.



# 5. Charity and Welfare

Joining any club on campus will make your uni life a thousand times better; from giving you the chance to meet some lifelong friends, and party hard. Also by giving you really helpful support and advice for your units and any other issues you may be having.

The UEC welfare portfolio is here to take care of your wellbeing. We take part in Relay for Life including running fundraisers such as a very wholesome board games night and wholesome beer pong tournament. Apart from charity, we hold events raising awareness and inviting discussion surrounding mental health, and equity and diversity of all kinds including gender, race, sexuality, and ability. We also run events catered for international students.



#### 5.1. PROSH

PROSH is usually Wednesday of Week 4 Sem 1. PROSH is an essential event to attend at some point in your uni career, so what better time to do it than in first year? Join hundreds of other students dressed in crazy costumes as they sell satirical newspapers to people all over Perth to raise funds for charity. Then spend the rest of the day at the tav. Check out the PROSH 2020 Facebook page to find out more.

# 5.2. Relay for Life

Relay for Life is a big highlight of semester 2, and, I think, one of the most rewarding events at University. It is a fundraising event for the cancer council that UEC participates in every year, attempting to raise as much money to aid the fight against cancer. The main event is a 24 hour relay around oak lawn whereby teams of students run/walk laps all night in order to acknowledge that cancer never sleeps and represent the battle and challenge that cancer poses to many Australians.



# 6. Careers

Now for the most boring, yet somehow important part of UEC. Basically we help you make connections and find a job once your uni degree is done. Seriously though, nothings worse than studying 3 or 5 years and having a shit job when you graduate. So to get people jobs they will enjoy, we run big networking events like the Networking Breakfast and the Industry and Vacation Work Exposition. These allow students (YOU) to get face



to face with industry professionals and learn what it is like in the workforce.



We also host coaching sessions helping you do well in interviews and giving you the best chance to line up a sweet career once you leave. There are some fun events like a shark tank workshop, where we get companies to set some tough problems and Beers with Engineers. Yes that's correct, we drink beer with engineers from some big, big companies.

# 7. Sports

UEC has many social and competitive sports each semester. Without fail we will always have a social frisbee team. So, let us know if you want to be a part of it or even make your own team in whatever sport you like. Just chat to one of us or UWA sport.



# 7.1. Inter-Faculty Sport

Every Wednesday at 12pm – 2pm meet UEC to represent engineering in the illustrious inter faculty sport. Please remember that you do not actually have to be good at the sport, it is all about participation, making friends and having FUN (although winning is still nice). Sports include: - Badminton, Soccer, Basketball, Netball, Ultimate Frisbee, Tennis, Touch Rugby, Volleyball and more!

There is also a free sausage sizzle for those who play!

Weekly Facebook events will be made. Make sure you keep an eye out for these as this is how you will know what sport is on when. These will be posted to the Fresher Facebook Group.

# 8. UEC Semester One Events Calendar

Date	Day	Event	Category	Location
26/02/2021	Friday	UEC Sundowner 1	Social	Foreshore
09/03/2021	Tuesday	Networking Breakfast	Careers	Fraser's Restaurant
12/03/2021	Friday	FRESHER ELECTIONS	Social	TBC
24/03/2021	Wednesday	PROSH	Welfare	Oak Lawn
01/04/2021	Thursday	Pubcrawl 1	Social	Varsity Bar
TBC	TBC	CV/Cover Letter Workshop	Careers	TBC
29/04/2021	Thursday	Mental Health Workshop	Welfare	TBC
01/05/2021	Saturday	Centenary Ball	Social	Crown Towers
TBC	TBC	Board Games Night	Welfare	TBC
06/05/2021	Thursday	Industry and Vacation Work Exposition	Careers	TBC

<sup>\*\*\*</sup>Bear in mind these dates subject to change but should not vary a lot. In Semester one, there will be study nights for most of the first year Engineering units. Semester two will have a jampacked events agenda.

Make sure to join the **UEC Fresher Facebook Group** and like us on Facebook to be made aware of all our awesome events.

#### Like us on Facebook

https://www.facebook.com/universityengineersclub/



The 2021 Fresher Page (super important) https://www.facebook.com/groups/2984553728439909

