Year 10 Future Finder Day:
Faculty Taster Sessions
12TH JUNE 2019

Students are to register their attendance for the Year 10 Future Finder Day online by Wednesday, 29th May 2019 at:
www.uow.edu.au/in2uni-myway/year10programs

The below information refers to the ‘pair’ of Faculty Taster Sessions you are able to allocate when choosing your two preferences on the registration form.

1st taster session hour

**PAIR 1**

**The magic of maths & stats**
UOW Engineering and Information Sciences
Investigate different branches of Mathematics and Statistics through guided interactive activities.
Find out all the weird and wonderful things Mathematics and Applied Statistics graduates do to make a living, and discover why being a mathematical scientist is such a good gig!

**PAIR 2**

**Seeing the Light: Exploring light & the electromagnetic system**
UOW Engineering and Information Sciences
What causes things to give off light, and how can we use light to learn more about the structure of objects and what stars are made of?
Take part in a series of hands-on experiments to find out more. Let Physics illuminate the way you see everything.

2nd taster session hour

**PAIR 1**

**How Clever Accounting can help you get That Big Ticket Item**
UOW Business Faculty
This session will focus on the skills of budgeting, expenditure and saving.
Students will learn how accounting helps to achieve certain financial goals.

**PAIR 2**

**Chemistry of Metals: Corrosion and Colour**
UOW Science, Medicine and Health
Discover how metals have reactions every day that are used in fun and different ways in all industries- learn how to store electricity in batteries, to sheet metal for construction, and produce metal from mineral ores, just to name a few. In this lab, we’ll look at the differences in elements, and also how colour can change with different states in a metal.

**PAIR 3**

**The Hydraulic Jump in a River Flow at Laboratory Scale**
UOW Engineering and Information Sciences
A hydraulic jump is a phenomenon frequently observed in rivers and spillways. When liquid at high velocity discharges into a zone of lower velocity, an abrupt rise occurs in the liquid surface. In a river flow, this manifests as the fast flow rapidly slowing and piling up on top of itself, similar to how a shockwave forms.

**PAIR 4**

**Diversity of Freshwater Organisms**
UOW Science, Medicine and Health
Freshwater insects may be found under rocks, beneath the soil, clinging onto algae and reeds, or swimming through the water column. Students will be given a field sample taken from one of UOW’s ponds and streams, and their task is to identify as many species as possible.

**PAIR 5**

**Playing with Polymers**
UOW Engineering and Information Sciences
Materials Engineers design and investigate different product and their properties.
Get a hands-on introductory to Materials Engineering, look at how different compounds react to make snow and slime!

**PAIR 5**

**Construction- Building your future career**
TAFE
With the current shortage of qualified tradespeople throughout Australia, there has never been a better time to get yourself a trade. A qualification in building will help you develop the skills and knowledge to manage building projects, including selecting contractors, contract management, overseeing work quality and liaising with clients. Come see our specialised trade training areas for construction, plumbing and bricklaying.

**PAIR 5**

**An Hour of Code**
UOW Engineering and Information Sciences
Programming is easier than you think. Use coding program Python to create make your very own create your own adventure game.

**PAIR 5**

**Diploma of Nursing- Dare to care**
UOW College
Nursing is one of the most sought after and rewarding careers. Learn how enrolled nurses work in a variety of healthcare environments to provide clinical care and emotional support to their patients.
**1st taster session hour**

**A Time Traveller’s Guide to Earth’s History**  
*UOW Science, Medicine and Health*

The geological timescale is one of the major achievements of geoscience over the last two centuries. The timescale subdivides the 4.6 billion years since the planet formed into a series of time units (e.g. Jurassic Period). Rocks and fossils have been compared across the world to work out their age relative to each other. Learn about how this timescale allows geoscientists to understand the evolution of the planet from its formation to the present day.

**Hospitality - Cocktails and Careers**  
*TAFE*

Discover the art of mixing the perfect mocktail or master foaming silky milky for the perfect coffee, all while you find the right mix of skills, experience, and qualification, you need to have an exciting career in this huge growth industry anywhere in the world. From producing fine cuisine to organising the perfect events – to the endless rewards of helping someone have the holiday of a lifetime – unleash your creative, organisational and people skills.

**Teaching: Influencing Lives Everyday**  
*UOW Social Sciences*

School teaching is one of the world’s most important and influential professions. Are you someone who loves working with children? Who enjoys variety in their day, and who would not mind being a lifelong learner? If you like a challenge, are resilient, patient and kind. You may be a future educational rock star... and this session is for you!

**Facebook Fairy Tales: Defamation & Social Media**  
*UOW Law, Humanities and the Arts*

Ever wondered what it's like to study law at university? In this session, you be the judge, as we look into the case facts of a well-known fairy tale, and how social media can play a part in modern law.

**Action in the Photography Studio!**  
*UOW Law, Humanities and the Arts*

This workshop will encourage you to play with lighting, composition, and movement to create whacky photographs in a studio. Work with a group to pose and capture moving human sculptures in this fun and experimental creative experience!

**Cinemas to Selfies: Critical Screen Production**  
*UOW Law, Humanities and the Arts*

Since its inception the camera has been used to capture, uncover, transform, and fabricate stories of our rapidly changing social worlds. Digital screens now mediate almost every moment of our lives. This session combines a practical focus on screen production with analysis of cultural, political, and technological issues that shape contemporary media practice.

**Understanding the Bling-Bling in Organisations**  
*UOW Business Faculty*

This session will focus on the art and functionality of impression management in organisations and how individuals create a perception of them and the jobs they perform.

**2nd taster session hour**

**Get Creative– Ceramics**  
*UOW Law, Humanities and the Arts*

Explore through this session the various forms of ceramics, from the sculptural to the functional and from technical to expressive. Students will be exposed to a range of ceramic processes, clay forming and decorating methods.

**Get Creative– Performance & Theatre**  
*UOW Law, Humanities and the Arts*

This session will provide you with an insight into a career in the performing arts and broader creative industries. You will learn the techniques, strategies and processes of contemporary theatre-making and performance in a range of contexts.

**HR: What is your Personality?**  
*UOW Business*

This session will introduce you to some basic aspects of people management, as you uncover your own personality style.

**Computers, Cameras and Pixels**  
*UOW Engineering and Information Sciences*

Since taking over from traditional cameras, digital cameras are now a staple in our phones and tablets. But how do these cameras work and how are the photos that are taken presented on our screens? This workshop explores digital images and their creation, use and storage. We will look into the process of capturing light and pixels, and how this is converted to our digital screens.

**Fitness Bootcamp**  
*UOW College*

Test your grit with UOWC’s Bootcamp, first they will practice dynamic stretching, running, interval training, push ups, sit ups, yoga, weights and learning about nutrition then end off with a bootcamp challenge. Your goal is to become UOWC’s Boot Master.

**Journalism– It’s a Changing Thing**  
*UOW Law, Humanities and the Arts*

This session explores the changing face of journalism. The need for journalists to tell the stories has not changed, but the way journalists tell stories has changed because the audience has changed – it no longer wants to be a passive consumer, it wants to take part. So, journalists and publishers must tell stories in ways that reach and engage their audiences.
**1st taster session hour**

**PAIR 13**

**Early Childhood- A Day in the Life of an Educator (TAFE)**
*TAFE*

Do you love children? Have you always dreamed of working in early childhood education and care? If you answered yes, then this is for you! Find your pathway with an industry sector currently experiencing a skills shortage, especially in NSW and Queensland, with nearly 70% of child care centres finding it hard to find qualified staff. Discover the life of an Early Childhood Educator through interactive Apps, paint, play dough, construction and science experiments.

**PAIR 14**

**Diversity of Freshwater Organisms**
*UOW Science, Medicine and Health*

Freshwater insects may be found under rocks, beneath the soil, clinging onto algae and reeds, or swimming through the water column. Students will be given a field sample taken from one of UOW’s ponds and streams, and their task is to identify as many species as possible.

**PAIR 15**

**All about Food: Is that really true or is it goop?**
*UOW Science, Medicine and Health*

Never before have so many people been telling us what to eat. Everyone from film stars to friends on social media tell us the best way to eat well (or so they say). Veganism, paleo, clean-eating, white food avoidance, and lemon detox – come to learn a little nutrition and how to become your own mythbuster and work your way through the goop.

**PAIR 16**

**Sunday Bloody Sunday: The Troubles in the North of Ireland**
*UOW Law, Humanities and the Arts*

This session will use the Irish Troubles (1969-1998) to explore why different stories about the past cause violence in the present.

**PAIR 17**

**Get Creative- Performance & Theatre**
*UOW Law, Humanities and the Arts*

This session will provide you with an insight into a career in the performing arts and broader creative industries. You will learn the techniques, strategies and processes of contemporary theatre-making and performance in a range of contexts.

**2nd taster session hour**

**PAIR 13**

**Social Work - Make a difference, change the world!**
*UOW Social Sciences*

This session will look at what Social Work means. We will explore the role of social work practice when considering wealth inequality in our society.

**PAIR 14**

**The Magic of Maths & Stats**
*UOW Engineering and Information Sciences*

Investigate different branches of Mathematics and Statistics through guided interactive activities. Find out all the weird and wonderful things Mathematics and Applied Statistics graduates do to make a living, and discover why being a mathematical scientist is such a good gig!

**PAIR 15**

**Never Again: How can we stop genocide?**
*Faculty: Law, Humanities and the Arts*

Whether in Myanmar, Syria, or South Sudan, today we are confronted by the spectre of genocide and other mass atrocities. What can we do to stop this? In this session, we’ll talk about some of the legal and institutional mechanisms that have been created to stop these crises. But we’ll also look at how popular campaigns and in particular student mobilization and advocacy has helped to shift world opinion. (Please note: Material covered in this session may be of a sensitive nature to some students)

**PAIR 16**

**Teaching: Influencing Lives Everyday**
*UOW Social Sciences*

School teaching is one of the world’s most important and influential professions. Are you someone who loves working with children? Who enjoys variety in their day, and who would not mind being a lifelong learner? If you like a challenge, are resilient, patient and kind. You may be a future educational rock star... and this session is for you!

**PAIR 17**

**Psychobabble: Let’s talk about Psychology**
*UOW Social Sciences*

This session will cover all things psychology, as well as how psychology is presented in the media, and discussing the work that psychologists actually do.