

## Semester 1, 2021: The journey of science

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### IMPORTANT INFORMATION ABOUT THIS PUBLICATION

This publication is produced as a supplementary information guide. Please use it in conjunction with the [online handbook](#) and the Monash University Malaysia School of Science [website](#).

## **Year 1**

### **Get a mentor!**

- Is this your first time studying at university?
- Need someone to help you settle in?
- Would you like a senior science student to be your mentor for the first month?
- Need academic advice and guidance on future career prospects?

### **Peer Mentoring Program**

The peer mentoring program is a collaboration between the School of Science and our current senior science students. This 4-week program provides you with opportunities to meet like-minded fellow students in a social setting. It helps you settle in and get connected as you start your journey through university.

Your mentor will have many tips and resources to help you achieve your goals. Each student's university experience is unique. Be part of a program where this experience is shared and new opportunities are made.

Sign up [online](#) by Monday, 1 March 2021. The first meetup session would be held in Week 1.

### **Mentor-Mentee Program**

An academic mentor is there to support you throughout your study journey at School of Science. Your mentor is able to offer you advice, perspective and share his/ her experience in research and in the profession. It is important you meet your mentor at least once a semester.

As you complete your study, you will undoubtedly require letter of reference for future position or job application. This program provides you with the added advantage of close contact with your mentor, who can provide the letter of support.

You will be automatically allocated an academic mentor at the end of Orientation Week. Please check your Monash email on a regular basis. Here is the [list of academic staff](#) of School of Science.

Dr. Choo Wee Sim is the Mentoring Coordinator for Mentor-Mentee Program.

## Year 1

### International experience- Study abroad

#### Why exchange?

- See the world and expand your academic horizon and develop the capacity to adapt to different styles of teaching.
- Broaden your personal perspectives to cultivate a global mindset.
- Develop valuable life skills needed for personal growth and gain more confidence in networking
- Future employers look favourably upon experience and knowledge gained while studying abroad and your overseas study experience makes you more versatile in the future workplace.
- Receive credit for your overseas study towards your Monash degree
- Continue paying your regular tuition fees to Monash Malaysia (in Malaysian Ringgit)

Find out what our students have to say about their [study abroad experience](#).

As a science student of School of Science, you can join 3 different types of [exchange program](#):

1. Global Intercampus Program
2. Short-term program
3. International Exchange Program

#### 1. Global Intercampus Program (GIP)

This program is highly favourable due to unlimited exchange availability for science students to exchange one semester to Clayton campus, Monash University Australia.

#### Where do I start?

- Refer to [GIP website](#) and contact Ms. Lee from the Education Management Office ([lee.yong.soon@monash.edu](mailto:lee.yong.soon@monash.edu)) at least one month before the application deadline to draft your study plan and course progression.
- For students of Bachelor of Medical Bioscience and Bachelor of Food Science and Technology, you need to apply in Semester 2, 2021 to go for intercampus exchange in Semester 1, 2022 due to unit availability related to your course structure.
- For Bachelor of Science students, you can intercampus exchange in Semester 2, 2021 or other semester provided the units you need to enrol are offered at Clayton campus.

## 2. Short-Term Program

You can also opt for a shorter exchange program during the semester breaks offered by other Faculties or partner universities. You get the opportunity to earn 6 or 12 credits during Monash summer (December- February) or winter (June- July) breaks, depending on the program you have chosen.

Note: For partner university short-term program, you will receive an official transcript from your host university showing all the units you completed. If you pass the unit(s), your Monash transcript will show [Satisfied Faculty Requirements \(SFR\)](#).

### Where do I start?

- Please refer to the [Short Term Partner Program website](#) to explore what are options available.
- Contact Ms. Lee from the Education Management Office ([lee.yong.soon@monash.edu](mailto:lee.yong.soon@monash.edu)) at least one month before the application deadline to draft your study plan and course progression.

## 3. International Exchange Program

Monash has student [exchange agreements](#) with partner universities in 30 countries. Host university will provide you with an official transcript showing all the units you completed. If you pass the unit(s), your Monash transcript will show [Satisfied Faculty Requirements \(SFR\)](#).

### Where do I start?

- Start researching your options by using [Monash Abroad Portal \(MAP\)](#) to find out more about the overseas universities that Monash is partnered with. Please search for at least two partner universities.
- Contact Ms. Lee from the EMO ([lee.yong.soon@monash.edu](mailto:lee.yong.soon@monash.edu)) at least two months before the application deadline to draft your study plan and course progression.
- Here are two tips:
  1. Choose universities that are less competitive by referring to the "Anticipated Places (per semester)", "Exchange Availability" and "Recommended Minimum WAM" on MAP.
  2. Save your electives as unit matching would be much easier because you are not trying to match core units for the semester that you want to go on exchange. This is especially useful for Bachelor of Science students as your course structure has more rooms for free electives. Early planning is important so that you can make arrangement for your unit enrolment. Please consult Ms. Lee for further assistance.

## **Year 2**

### **Project and skill unit**

#### **1. SCI3990 Science in action research project**

SCI3990 is the only unit in the undergraduate course that gives you the opportunity to carry out individual research in a discipline relating to your area of study. You will learn experimental designs, research techniques, data analysis and critical literature review through the project with experienced research staff. The research skills you gain will assist you to decide whether you will continue your passion to research degree or straight to the workplace. This unit is offered every semester (Semester 1, 2 and Summer). The contact hours are approximately 12 hours per week.

#### Where do I start?

1. Check your [eligibility](#). You need to pass 24 credit points of second level studies with a distinction average including a minimum of 12 points in the discipline directly relevant to the project. Therefore, you could enrol this unit as early as Semester 2, 2022 provided you have met the pre-requisites mentioned.
2. Attend SCI3990 Information Session and choose your preferred research topic. More information is available at the [website](#).
3. Make an appointment to meet the potential supervisors and submit application for approval.

Find out what our students have to say about their [SCI3990 experience](#).

#### **2. SCI2800 Human ecology and biodiversity**

[SCI2800](#) aims to connect you with a range of community based issues and topics under the purview of the sustainable management of natural resources in the Malaysian context. In the process you will be required to intellectually engage with, and critically assessed on various topics in conservation biology and human ecology.

This unit will be offered in 2021. You only need to achieve 6 credit points of level 1 science unit to be eligible. Please check our School of Science's website if you are interested to enrol.

## Year 2

### **Industry experience**

Internship gives you the opportunity to apply your university learning to the workplace, providing you with experience in tailoring your academic-based learning to the needs of an industry-based partner, and to network with potential employers. This will prepare you for work or professional practice by integrating theoretical knowledge with practice. You will learn about the process of applying for employment and good workplace practice.

Internship takes place during the summer break with a minimum duration of 8-week.

#### Where do I start?

Education Management Office will perform eligibility checking when you commence Year 2. If you are eligible, you will receive email to attend briefing session conducted by the Unit Coordinator. You can find out more at our internship [website](#).

### **1. FST3800 Food science internship**

[Food science internship](#) is compulsory for students enrolled in Bachelor of Food Science and Technology. Internship will take place in summer 2022 provided you achieve at least 96 credit points or permission of the Head of Discipline.

This unit is also an approved Monash General Studies (GS) unit under the U4 cluster by Malaysian Qualification Agency (MQA).

### **2. MBS3800 Medical bioscience internship**

[Medical bioscience internship](#) is compulsory for students enrolled in Bachelor of Medical Bioscience. Internship will take place in summer 2022 provided you achieve at least 96 credit points or permission of the Head of Discipline.

This unit is also an approved Monash General Studies (GS) unit under the U4 cluster by Malaysian Qualification Agency (MQA).

### **3. SCI3800 Science internship**

[Science internship](#) is recommended for students enrolled in Bachelor of Science. This is because internship can help you build invaluable industry experience, develop your professional skills, and create contacts and networks within a particular organisation or sector. This can often help with finding employment after graduating. Internship will take place in summer 2022 provided you achieve at least 96 credit points or permission of the Head of Discipline.

This unit is also an approved Monash General Studies (GS) unit under the U4 cluster by Malaysian Qualification Agency (MQA).

## **Year 3**

### **What is next?**

Why Bachelor of Science (Honours)?

- Experience a research environment
- Develop practical research and project management skills
- Personal development and intellectual growth
- Gain a competitive edge

Our [Honours program](#) allows you to focus on the intellectual and practical challenges of a research project by conducting original research under the supervision of one or more of our research-active academic staff members. The areas of study encompassed in Honours at Monash Malaysia are:

- 1) Biotechnology
- 2) Food science and technology
- 3) Medical bioscience
- 4) Medicinal chemistry
- 5) Psychology
- 6) Tropical environmental biology

The [minimum requirement](#) for Bachelor of Science (Honours) is successful completion of a Bachelor of Science (or equivalent) with at least distinction average (70 percent) in 24 points of level three units (or equivalent) in the intended honours discipline.

In other words, your performance in Year 3 determines your eligibility to apply for Bachelor of Science (Honours). This is because we will only assess 24 points (4 units) of level three units in the intended honours discipline.

Find out what our graduates have to say about [Bachelor of Science \(Honours\)](#).

### Where do I start?

If you are interested, refer to our Honours [website](#) when you commence Year 3. There will be details on information session and application process.

## Year 3

### **Career development**

It is never too early to plan your career. At Monash, we arm our graduates with the vital skills that employer seek. Our [Employment and Career Development \(ECD\) office](#) provides support and services to help maximise your career opportunities.

#### Where do I start?

- Build your profile via [Student Futures](#) to record any Monash activities or extra-curricular activities you have participated. You can also use Student Futures to track skills developed during your time at Monash. This platform also has resources to help you construct your resume and prepare you for interview.
- Keep an eye on the [website](#), career service [Facebook](#) and school [Facebook](#) for networking event, career fair, workshop and other resources relevant to you which could lead to new career possibilities.
- Learn to prepare professional [resume](#) and [cover letter](#).
- Equip yourself by signing up for [Leap into Leadership Online \(LiLO\)](#). This is a free, practical and fun modules to develop your employability and leadership skills.
- Register for [Career Gateway](#) to find employment opportunities.

Hear from our [science students](#) who have graduated! You can also discover the pathways other Monash graduates have taken to get to where they are today at [Graduate Voices](#).