



Careers Newsletter

Disclaimer – all information is printed in good faith
It is the responsibility of the student to confirm all details with the appropriate institution.

To contact Mr Madani please email jmadani@stpiusx.nsw.edu.au or call 9414 4388.

JobJump - Parents and students please watch YouTube video and sign up

Sign up to JobJump for information about tertiary study options, ATAR's and apprenticeship and TAFE information. Create a resume, sign up for news alerts.

To register go to <https://www.jobjump.com.au/>

Search school – St Pius X Chatswood

Register with an email address (use a private address, not spx)

Password – pius (lower case)

Parent information: <https://www.youtube.com/watch?v=fZoyckJwvVg&feature=youtu.be>

[AIE | Industry Experience Days](#)

September 20 to October 4, 2023

AIE's Industry Experience Day is a great opportunity for students in Years 10, 11 and 12 to learn about the local and international game development, 3D animation and visual effects industries. Students will get the opportunity to learn about the different pathways to get into the industry, what should be in a portfolio and will be able to get creative in practical workshops using industry-standard 3D animation and game development tools.

The sessions are run by industry professionals who have worked on some blockbuster games and films. Everything is provided for you to participate in the hands-on workshops and you will be using the same software that is used in the industry.

Event dates:

- Melbourne: September 20th
- Sydney, Canberra and Adelaide: October 4th

[Find out more](#)

[WSU | Nursing and Midwifery Taster Day](#)

September 20, 2023

We're excited to invite you to our Nursing and Midwifery Taster Day, where you can immerse yourself in the dynamic atmosphere of university life.

Join us at our Liverpool campus to learn about our undergraduate nursing and midwifery programs and the various entry pathways. You will also have the opportunity to explore our Clinical Practice Units, participate in interactive activities and take part in a guided campus tour.

[Find out more](#)

[University of Sydney | Vet Medicine Undergraduate Admissions Information Session](#)

September 20, 2023

Join this session to learn about the Bachelor of Veterinary Biology and Doctor of Veterinary Medicine (BVB/DVM) at the University of Sydney. This session will cover undergraduate admission requirements for the BVB/DVM, including details for the submission of your commitment statement and completion of the Casper situational judgement test. You will be able to ask questions to the Sydney School of Veterinary Science, and get advice on your



undergraduate application into the degree.

[Find out more](#)

[University of Sydney | Demystifying the Teacher Personal Statement](#)

September 20, 2023

If you're applying to study a teacher education degree at the University of Sydney (excluding early childhood), you will be prompted to complete a personal statement questionnaire during the application process. The statement allows us to assess your suitability for teaching against the non-academic capabilities common in successful teachers, as those attributes and motivations are common to effective teachers. Writing your statement shouldn't be a daunting – in fact, it's a great opportunity for you to think deeply about why you want to become a teacher and discover a little bit about yourself along the way!

Join the School of Education and Social Work for an interactive session where we will take you through the process step by step, leaving you confident and prepared when it comes time to submit your personal statement.

[Find out more](#)

[ACU | Talk with Exercise Science and High Performance Sport Professionals](#)

September 20, 2023

Join us online to hear from ACU alumni about their experiences working as exercise scientists and high performance sport professionals. Take part in a Q&A session about where a career in sport and exercise science could take you.

[Find out more](#)

[ACU | Talk with Arts Graduates](#)

September 21, 2023

Join us online to hear from ACU alumni about their experiences after graduating from an arts degree. Take part in a Q&A session about the vast range of careers an arts degree can lead to.

[Find out more](#)

[Charles Sturt | Making it in Media Workshop](#)

September 22, 2023

We are inviting Year 11 and 12 students to an interactive workshop; Making it in Media. Students will be welcomed by one of our distinguished Alumni, Edwina Bartholomew, a news presenter on the Seven Network's breakfast television program Sunrise, and will then participate in a simulated media event, collaborating with students from other schools in our TV studio and creative hub – and experience working in the world of news, media, advertising, PR and content creation.

Parents and teachers are also welcome to watch what is created and see how students learn to work in a team environment and get hands on Industry experience.

Charles Sturt University has a strong reputation in the field of Communication, having produced some of Australia's biggest names in media such as Hamish McDonald, Mel Doyle, Tara Brown and Edwina Bartholomew. Our Bachelor of Communication degree has been co-designed and is co-delivered with our distinguished Alumni and leading Industry professionals.

[Find out more](#)



[NIE | JCU Medicine & Dentistry Application Advice and Strategies Webinar](#)

September 23, 2023

Are you aspiring to pursue Medicine or Dentistry at James Cook University?

We understand that the application process can be overwhelming, and that's why we're here to help! Join our interactive and informative webinar designed to provide you with the guidance and support you need to create a compelling application that stands out.

Our workshop aims to provide you with comprehensive guidance on the application process while emphasising the importance of rural and Indigenous health. By attending this webinar, you will gain valuable insights, practical tips, and personalised advice to create a standout application for the Medical Degree program at James Cook University.

[Find out more](#)

[WSU | Bizfluencers Workshops](#)

September 25 to September 26, 2023

School of Business will be in its second year running a series of workshops for all students, especially those who are hoping to learn more about the entrepreneurial journey.

Bizfluencers is an exciting school holiday workshop program offered by the School of Business at Western Sydney University, targeted at high school students in Years 9 – 10. The program aims to connect aspiring Business Influencers ('Bizfluencers') with business leaders, researchers and practitioners in the 1PSQ Business Lab to explore the future of business.

[Find out more](#)

[WSU | Free HSC Study Sessions](#)

September 25 to September 29, 2023

From 25-29 September 2023, Western Sydney University will be offering a range of online study sessions to assist Year 12 students in their preparations for the HSC.

Delivered by highly qualified senior teachers with 25 free sessions across 16 key HSC subject areas, the sessions will include content analysis, tips and strategies, and a detailed exploration of key syllabus and curriculum areas.

Students will also have the opportunity to sit a practice exam and deconstruction, with feedback and advice from experts.

The HSC Study Sessions are offered in partnership with leading education services provider InspirationED, with their team of highly qualified HSC teachers and experienced markers to deliver the sessions.

[Find out more](#)

[WEP | Student Exchange Info Session](#)

September 25, 2023

Imagine making friends from all over the world, learning about yourself and the world around you and seeing sights you could only dream of! Find out more about your student exchange opportunities at WEP's online info session.

[Find out more](#)

[ACU | Talk with Psychologists, Youth Workers and Social Workers](#)

September 26, 2023

Join us online to hear from ACU alumni about their experiences in the field. Take part in a Q&A session with our graduates and learn about the rewarding and challenging careers of psychologists, social workers or youth workers.

[Find out more](#)



[SCCE | Exchange Webinar](#)

September 26, 2023

Preparing for your exchange program is an important part of the process and is vital to continued program success. At these online meetings, an experienced high school exchange advisor will share an overview of high school exchange programs with Southern Cross Cultural Exchange.

You'll learn more about living with a host family and how studying overseas can help you develop confidence and independence... and gain a lifetime of memories.

[Find out more](#)

[ACU | Talk with Nutritionists and Dieticians](#)

September 27, 2023

Join us online to hear from ACU alumni about their experiences working as nutritionists and dieticians. Take part in a Q&A session with our graduates and learn about the fulfilling careers.

[Find out more](#)

[iscd | Virtual Info Session](#)

September 28, 2023

Our interior design information sessions are a great way to explore the foundations of design and discover if a career in interior design is for you.

Join from anywhere, ask questions in real-time.

What to expect at this free 60 min info session:

- Explore the basics of interior design and the many roles and pathways you can take.
- Discover the difference between interior design and interior decoration.
- Find your own personal style by exploring different interior design styles.
- Learn the 7 design principles that govern interior design.
- Explore colour and its role within interior design.
- Learn all about our courses and how you can become a qualified interior designer in just 2 years via our virtual classroom.
- Meet a current ISCD student and hear first-hand about their experience.

[Find out more](#)

[Campion College | Overnight Immersion](#)

October 6 to October 7, 2023

Have you ever wondered what it's like to pursue higher education in an environment that values intellectual curiosity, critical thinking and vibrant discussions? Join us for an immersive experience that goes beyond the ordinary campus visit.

During this exclusive overnight event, you'll have the chance to fully immerse yourself in the life of a Campion College student. Our schedule includes time for sample lectures, thought-provoking discussions, socialising with our current students and fostering connections with fellow attendees. You'll also have the opportunity to bond over shared meals, reside in one of our residential halls and gain firsthand insight into the unique academic and social aspects that set Campion College apart.

We have a very limited number of spots available for this event, ensuring the Campion



College Overnight Immersion remains an intimate and focused experience.

[Find out more](#)

[Online Panel: Navigating a Pathway in STEM – What girls and their family supporters need to know](#)

October 11, 2023

We know that for young people, and their family supporters, navigating a pathway into a STEM career can be challenging for a range of reasons. First, STEM offers diverse options in careers, some of which are unknown or misconceived. Second, information available can be outdated, limited or misinforming depending on access to information.

We have heard from girls, parents/carers and teachers, that addressing the challenges to navigating STEM pathways is a priority. This online panel will host a range of people that are passionately involved across the STEM careers sector.

[Find out more](#)

[The Future of Education Summit 2023](#)

October 12, 2023

Welcome to The Future of Education Summit. This National Summit has been designed to empower educators, innovators and workforce shapers as we explore how we can prepare our next generation for the ever-changing future. Over the course of the Future of Education Summit, attendees will be challenged to find new and exciting ways to engage students, explore how they can scale their impact, and experience authentic collaborations with other changemakers.

As educators around the world work to redesign curriculum, reimagine their schools, and rethink the student learning journey, the Future of Education Summit has been designed to give attendees the skills and experiences they need to become leaders in their communities.

[Find out more](#)

[University of Sydney | Ngara Future Focus Program](#)

October 20, 2023

The Ngara Program offers an immersive on-campus experience for Aboriginal and Torres Strait Islander students from NSW metropolitan schools, designed to build their confidence in preparing for and sitting the HSC exams, as well as equipping them with useful tools and resources to help prepare for life after school. **Registration closes on Friday, 13th October 2023.**

[Find out more](#)

[Sydney Design School | Open Day](#)

October 28, 2023

Be open to creativity! We're opening our studios for a day of exploration. Meet our passionate Educators, view our exhibition space and get hands on building an interiors mood board or 3D model.

[Find out more](#)

[Beyond university – diverse scholarship opportunities](#)

Scholarships aren't just for university-bound students; there are lots of diverse opportunities for



all interests and career paths. Let's dive into some areas outside of university where you can seek scholarships and funding.

Vocational education

Scholarships are available for apprentices and trainees pursuing careers in almost any field, like automotive technology, business, healthcare, and more. Many industry-specific associations and organisations can also offer financial aid.

Art and creative fields

If you have a talent in art, music, writing, or other creative areas, there are numerous scholarships available. These can support your artistic pursuits and help you refine your skills. You could be offered a [residency](#) or money to help you buy new supplies.

Sports and athletics

Athletic scholarships aren't limited to university. Many local organisations and clubs offer scholarships for talented athletes, which can help with training costs and travel expenses.

Entrepreneurship and innovation

If you have a knack for business or innovative thinking, there are scholarships and grants available to support your entrepreneurial endeavours. Look for programs in your area, or get in touch with local business associations to see if they offer anything.

Language learning and gap years

Scholarships for language learning programs or gap year opportunities can enhance your cultural understanding and language skills. These experiences can be invaluable in today's globalised world (and can be really fun too).

Essay contests and competitions

Various organisations host essay contests and [competitions](#) on a wide range of topics. These can be a great way to showcase your writing skills and potentially win funds to put towards nearly anything you can dream of.

Remember, finding the right opportunity may take some time and effort, but the investment is well worth it. Take advantage of online resources, scholarship search engines, and your school's career services to help identify opportunities that align with your interests and goals. You can find out more about scholarships and search our database [here](#).

[Finding holiday jobs](#)

If you want some work experience or to earn some cash over the holidays, then now is the time to get busy finding and applying for jobs.

They're already being advertised and applications can be competitive – so starting your search and applying early could land you a great job, plus peace of mind to focus on the rest of the school year knowing you're set for the holidays.

We have some tips and tricks to help you find the perfect casual job.

Start local



You could look in the local newspaper, on local notice boards, and even in the shops nearby to see if anyone is advertising for casual staff or Christmas workers.

Go straight to the source

Lots of businesses, particularly the larger ones, will always advertise any positions coming up in the Careers page on their website.

So if you have specific employer in mind or you there are businesses near you who could be hiring, have a look on their website. You could also sign up for newsletters or new job alerts to make sure you don't miss out on any future opportunities.

Here are some examples you might like to check out:

- [Woolworths](#)
- [Coles](#)
- [JB Hi Fi](#)
- [Myer](#)
- [Priceline](#)
- [Australia Post](#)

Local councils also often offer work experience and casual positions. You can take a look for opportunities [here](#).

Search holiday job databases

[Summer Jobs](#) lists tonnes of Australian holiday jobs all in one place. You can search by the suburb you live in or where you're looking for work.

[Student Job Board](#) is another good place to look. They specialise in jobs for university students, but some may apply for high schoolers too.

[Season Workers](#) is another site to check on the opportunities near you (or further away if you'd like to get away for the holidays instead).

[Student Edge](#) is another great place to look for casual or part time job opportunities over the holidays, or even during term time to help boost your savings.

You could also check on [WORK180](#) – in their casual listings they advertise lots of potential roles (but note that this website is aimed towards women).

[Prosple](#) offer lots of different opportunities for young people, so it's definitely worth checking out too.

Search on social media

Lots of businesses and organisations also advertise on social media when they have positions available.

[Facebook](#) – you can look in specific job searching groups, community groups, or even go straight to the company's page. If you do reach out to someone on Facebook, make sure your profile is locked down so you can limit who can access your personal information.

[LinkedIn](#) – you may need to create a professional profile, but you could find opportunities like [these](#) or [these](#).

Online job boards

There are hundreds of different job search sites online, but finding which one is best can be time consuming and confusing.

We've done the hard work and put together a list of the top job search sites in Australia so you can stop searching and start applying. You can also apply directly for the job from many of these job sites.

- [SEEK](#)



- [Indeed](#)
- [Jora](#)
- [Adzuna](#)
- [CareerOne](#)

Think outside the box

[Anywork Anywhere](#) advertise jobs all around the world, so if you're unable to go overseas this year, perhaps you can keep it in mind for another time.

Lots of businesses and organisations advertise jobs for backpackers too if you're thinking of taking a Gap Year (or you could even apply for any positions near you). The [Backpacker Job Board](#) is one example of where to start your search.

Some helpful tips

- Check your eligibility (age, location, previous experience, etc.) before applying for any jobs
- See if any first aid, RSA, driving license, white card, or other requirements are necessary, and know how you can obtain them and provide evidence to employers
- Know the length of time and hours you're willing to commit
- Work out how you'll be getting there
- Read any terms and conditions before signing contracts
- Check out your workplace rights and responsibilities ([FairWork](#) is a great place to start)
- Have your resume updated and ready to go
- Be work ready – bank account, TFN, super account, etc.

You can find heaps more resources on getting ready for work on our website [here](#).

[5 work experience ideas for students who love music](#)

If you're a high school student with a passion for music, why not turn that love into a valuable learning opportunity? Work experience can be an eye-opening adventure, providing insights into various aspects of the music industry. Here are five ideas you might like to consider.

Music studio

Reach out to local music studios or recording facilities and express your interest in work experience or volunteering. You'll likely get to assist with tasks like equipment setup and observe live recording sessions. This hands-on experience is bound to deepen your appreciation for the art of music production.

Event planning

Connect with event organisers or music festivals in your area. Offer to lend a hand with tasks like scheduling, logistics coordination, or even promotional activities. This behind-the-scenes perspective will give you a newfound appreciation for the meticulous planning that goes into large-scale music events.

Journalism and blogging

Contact music magazines, websites, or blogs and propose contributing articles or reviews about local bands, concerts, or trends. This avenue not only hones your writing skills but also immerses you in the vibrant music scene, connecting you with fellow enthusiasts.



Instrument repair and maintenance

Seek out music stores or workshops specialising in instrument care. Working with a skilled technician will grant you valuable insights into different instruments and how to keep them in top condition. This knowledge could prove invaluable on your musical journey.

Music education

Reach out to local schools or private music academies and offer your assistance. Tasks may range from setting up instruments to providing individualised attention to students. You might even lead small group activities. This experience not only deepens your understanding of music education but may also ignite a passion for teaching.

Remember, when seeking work experience opportunities, approach with enthusiasm, professionalism, and a willingness to learn. Your positive attitude will leave a lasting impression on potential mentors.

You can find opportunities and learn more about work experience on our [website](#).

[Nextwave Film Competition](#)

Nextwave, presented by the Screenwave International Film Festival (SWIFF), now in its ninth year is host to Australia's largest regional youth short film competition and is free to enter for young people aged between 10 – 25 years, living anywhere in Australia.

Short films can range from a variety of genres, including comedies, dramas, thrillers, sci-fi, animation, documentary and personal essays. All that is needed to enter is to make a short film under five minutes (including all credits) and to creatively include the 2023 unique theme and item of STRENGTH and TORCH!

Along with an array of awards and prizes across a variety of age categories, short film finalists will have their films premiere at the SWIFF in Coffs Harbour in 2024. Lucky creatives will also have the opportunity for their films to screen at venues across Australia for Youth Week in April 2024.

Entries close Wednesday 25 October.

Find out more and enter [here](#).

[FLICKERFEST 2024 FlickerUp Competition](#)

FLICKERFEST, Australia's premier international short film festival, will be held at Sydney's famous Bondi Beach in January 2024. The Festival in 2024 will celebrate 33 years of screening the best short films from Australia and around the world in competitions and special showcases.

FlickerUp 2024 competition is an Australian Youth & Schools Competition which screens at Flickerfest – open to films from students enrolled in secondary schools in Australia and individuals 18 years and under. Films to be under 35mins, completed in the last 2 years.

FlickerUp submissions close Tuesday 7 November 2023.

Find out more and enter [here](#).

[The benefits of studying university online](#)

If you're leaving school this year and thinking about applying for university in 2024, have you considered enrolling in an online course?

If you've been stressed or anxious about the thought of applying or getting into university, or perhaps you're feeling unsure about moving away from home – then this could be a perfect solution for you.

Doing a bit of research won't commit you to anything, but it could open up a whole lot of benefits to consider.



Study a university degree on your own terms

These days most universities offer courses online, and there are more and more options added each year.

As a result of the pandemic, you may even find your choices and the availability of online courses increases, with delivery becoming more sophisticated and streamlined.

If you'd like the chance to study at your own pace, wherever and whenever you want – then studying online could be a seriously great move to think about.

What you'll need to study online

When you're researching your options or you enrol on a course, you may find out you'll need to be on-campus occasionally. For example, you might have to go in for exams or to complete certain modules, especially if there are units where specialist equipment or supervision is required.

Otherwise all you'll need is:

- **Internet connection** – it needs to be reliable. If your home doesn't have internet, you can find out about dongles, hot-spot from your phone, or find places where you can access the internet for free, such as at your local library.
- A suitable **device**, usually a PC or laptop. You'll have to make sure it's modern enough to support the software that your provider uses without any issues. A webcam and microphone will probably be required too.
- A **workspace**. Preferably somewhere comfortable and quiet where you can focus on your work.

Course content is usually available online 24/7, tutorials may be held via video link, and you can connect with lecturers and other students on your course through email and chat sites.

Discover some of the benefits of studying university online

There are lots of positives about online learning; here's a few to consider:

- You'll have even **more courses to choose from** if you study online. When you're looking at on-campus qualifications, where you want to study can be an influencing factor, so you might be limited to courses offered by a particular provider. Studying online removes those barriers.
- **Living at home** means you could save money on accommodation, stay close to your family and friends, plus get all the home comforts you're used to.
- **Flexible study** means you can fit your uni schedule around your lifestyle. That means you do a degree while keeping (or finding) a job, enjoy all your hobbies, and still have free time to socialise.
- Choose the study **environment** that suits you best, whether that's your bedroom, the kitchen table, in your favourite café, or at the library. We're all different, so you can make it work for you. You could even stream lectures while you're working out at the gym or enjoying the fresh air at your local park.
- **No commuting** each day could save you money and time, so you'll get more time to do what you want and less debt at the end of your studies.
- Become more **self-disciplined** and **motivated**, improve your **time management**, as well as learn to be **responsible** for managing your workload and overall outcomes. These



are all fantastic life skills that are highly desirable in the workplace and will look great on your resume.

- Gain new **technical skills** as you learn to navigate new systems, platforms and use new software. Lots of the skills you'll gain or develop through online studies will be necessary in the workplace, making you an appealing candidate to potential employers.
- If you're a bit shy, or you're easily distracted in the classroom, then online study could be a great way for you to **feel more comfortable** and perform better. You could leave uni with a better GPA than you might through on-campus study.
- Online degrees are equally well **respected by employers** as traditional degrees (just make sure that the course you choose is accredited by the industry you'd like to go into before signing up).

Still not convinced? Compare the pros and cons of studying [on campus vs online](#).

Start your search

Most universities and higher education providers will have a page dedicated to their online courses. If you can't find one, simply search the courses you're interested in and see if they offer an "online" option on their course overview page. It's usually listed under the location or delivery mode section.

You can find out a lot through a simple internet search, but don't forget you can get help from the providers themselves about the courses they offer online and different options that are available to you.

So, give them a call, send them an email, or fill out an online enquiry. You can even contact some education institutions directly through their Facebook or other social media pages.

Applying for online courses

Applying for an online course varies between institutions. Sometimes you can apply directly to the provider by filling out the necessary forms. In most cases, you'll still apply through a Tertiary Admissions Centre (TAC), just like you would for a course on-campus.

If you're unsure about what you have to do at any point, contact the university directly, and they'll make sure you have all the right information and the key dates you'll need.

Always ensure that you submit applications fully completed and on time, to be considered for the start of the next course. Otherwise you might have to wait until the next round begins.

You'll get all the help you need

Just because you'll be studying remotely, it doesn't mean you won't be getting any help; far from it, in fact.

Universities value their online students as much as any other. You'll have assigned lecturers and study groups, online forums and chat pages, email contacts, and video face-to-face time.

There will be facilities in place so you can upload your assignments, ask for help, order library books, check your results, and access other study resources.

Before you sign up

A few things you could check before you commit are:

- Is the course accredited?
- Are there any prerequisites?
- How long has the provider been running online courses?
- How are materials delivered?
- What devices are needed (and recommended)?



- What are the duration and costs?
- How flexible is the course?
- How will you be able to connect with tutors and other staff, as well as other students?
- What academic help is on offer?
- Who do you contact if you're experience technical issues?
- Is there any financial help available for the course?

Note: HELP loans and Centrelink payments also apply for online studies. Most scholarships do too.

It could be well worth spending a little bit of time doing your own research to see if the benefits of studying university online stack up in your favour.

If you decide it's not for you, then there are plenty of resources available on the [Study Work Grow](#) website that could help you figure out all you need to know about applying for a traditional university course on-campus too.

[Become a Software Developer with WiseTech Global](#)

Do you know any talented Year 12 school leavers interested in a career where curiosity and problem-solving lead to success?

WiseTech Global, one of Australia's most successful global technology companies, is committed to building Australia's tech future. We're giving Year 12 school leavers the opportunity to accelerate their career in technology by gaining access to world-leading education coursework, technology experts, and a university degree.

This program provides a unique opportunity for gifted students who may not have had prior tech experience, as we teach them everything they need to become a successful software developer. This opportunity can be particularly interesting for students who may not be fully engaged in traditional school learning.

We also offer an advanced stream for people with substantial prior programming experience.

This opportunity is for current Year 12s who are sitting their HSC in 2023. We are also open to students who completed their HSC last year and took a gap year, having not yet started university.

Students can apply directly to WiseTech via the links below. From there we will take them through our selection process and if accepted, we will work directly with the student and UTS to enrol in the UTS relevant course. More info on application process can be found in our guides linked below

If you have specific students whom you'd like to recommend we would be delighted to receive recommendation letters and are happy for you to put them in touch directly (with their permission).

We will be offering additional places each year, so if you'd like to set up some time with us to talk about how we can engage with students at your schools and talk about tech careers and education, please get in touch.

If you have any questions please reach out to studentengagement@wisetechglobal.com.

Applications are open until 7 November 2023.

Find out more [here](#).

[What is it like to work in a laboratory?](#)

A laboratory is a space where scientists, researchers, and students conduct experiments,



tests, and investigations. It acts as a controlled environment where they can study various things such as chemicals, living organisms, or even technology.

The main purpose of a laboratory is to gather precise data and conduct experiments in a controlled setting. This controlled environment helps to ensure that experiments are carried out safely and accurately.

While every lab is different, they do have some things in common:

1. Safety is key – you might be working with dangerous chemicals or items, so being safety-conscious is incredibly important.
2. A place for problem solving – whether it's developing new medicines, creating innovative technologies, or finding solutions to environmental challenges.
3. Lots of collaboration – you'll rarely be working alone in a laboratory.

Perform controlled scientific experiments

In a laboratory, scientists can test hypotheses, develop new technologies, and analyse various substances. This helps in advancing our understanding of the world around us.

Key tasks

- Conduct experiments and tests
- Analyse data and record results
- Maintain equipment and ensure safety protocols
- Prepare and handle materials and samples
- Collaborate with fellow researchers and scientists
- Document findings in reports or presentations
- Stay updated on relevant research and techniques
- Adhere to ethical and procedural guidelines

You can find laboratories in the professional, scientific, and technical services industry

Laboratories are usually found in the professional, scientific, and technical services industry. There are various types of laboratories, including chemistry, biology, physics, medical, environmental, and technology labs, each focused on specific areas and outcomes.

You can expect regular hours and on-site work

Regular hours | Work on-site | Jobs more common in metro areas | Strong job growth

The operating hours of a laboratory can vary depending on its purpose and the institution it's associated with. For example, academic and research labs are typically open from 9 to 5, while medical and clinical labs might need to remain open 24/7 to provide constant patient care.

On-site work is traditionally more common in laboratories due to the hands-on nature of experiments and the need for specialised equipment. But some tasks, such as data analysis and report writing, may be able to be done remotely.

Laboratories can be found in both metropolitan and rural areas, but they tend to be more common in metro areas. Some rural areas might have labs that are specifically focused on agriculture, forestry, environmental studies, or other fields that benefit from being in rural settings.

The Career Clusters you'll find in a laboratory

People from all Clusters are needed for a laboratory to run successfully, but Informers and Innovators are typically the most common Clusters. In many roles, you might find yourself performing tasks across multiple Clusters.



What do Makers do in a laboratory?

Makers in a laboratory are responsible for operating, maintaining, and calibrating instruments and equipment, ensuring they function accurately and reliably. They also help to keep the lab clean and tidy, and might be responsible for safely handling and storing dangerous chemicals and biological matter.

- Lab Technicians
- Maintenance Technicians
- Cleaners

The role of a Linker in a laboratory

Linkers aren't particularly common in laboratories, but might help to keep the public updated on current developments and future plans for the lab. Other Linkers might sell specialised equipment and technologies to laboratories. If a lab has a media presence (e.g. website or social media), a Linker might help run this too.

- Public Relations Officers
- Sales Representatives
- Marketing Managers

Where you'll find Coordinators in a laboratory

Coordinators are responsible for overseeing various aspects of a lab's operations, from managing schedules and resources to coordinating workers and teams. They may also handle administrative tasks, such as budget management, inventory management, and thorough recordkeeping.

- Laboratory Managers
- Administrative Assistants

What do Informers do in a laboratory?

Informers in laboratories provide expert guidance, skills, and specialised knowledge to support the lab's research endeavours. They might analyse and interpret data and findings, helping to provide insights to the public and other stakeholders. Other Informers analyse whether there is a societal or economic need for certain research or products, then advise whether it will be worthwhile for the lab to invest in.

- Research Scientists
- Data Analysts
- Operations Analysts

The role of Innovators in a laboratory

Innovators in laboratories are responsible for designing and developing specialised equipment and technologies, usually tailored to specific research needs. They also have lots of input into the design and function of any products the lab may produce.

- Research and Development Engineers
- Software Developers/Programmers
- Product Designers



How do Guardians work in a laboratory?

Guardians are responsible for ensuring that laboratories are safe places for workers. Some Guardians help to keep the facilities and potentially dangerous or valuable materials inside secure, while others might ensure that any research being conducted is ethical and legal.

- Security Officers
- Ethical Standards Officers
- Workplace Health and Safety Officers

How do we expect working in a laboratory to change in the future?

With rapid advancements in technology and a growing emphasis on sustainability and collaboration, the laboratories of tomorrow may look quite different from those of today. Increasingly, routine tasks and experiments are likely to be automated. This will free up researchers to focus on more complex and creative aspects of their work. Robots may handle tasks like sample processing and data collection.

As global awareness of environmental issues grows, laboratories will play a pivotal role in sustainable practices. From efficient resource utilisation to waste reduction and the adoption of renewable energy sources, expect labs to lead the charge towards a greener future. Ethical considerations will continue to be at the forefront of laboratory work. Researchers will need to navigate complex ethical issues with care, from data privacy to the responsible use of emerging technologies.

The future of laboratory work will also likely embrace flexible work arrangements. This could mean a blend of on-site and remote work, fostering adaptability and inclusivity in the scientific community.

How to become a Remote Sensing Scientist

Remote Sensing Scientists play a role in studying our Earth and beyond. They use specialised technology, such as satellites, drones, and sensors, to gather information about the environment without physically being present at the location. They collect data about things like land use, vegetation, water bodies, and even atmospheric conditions.

If you're interested in science, technology, and exploring the world (from a distance), this might be a great career path to consider.

If you have these skills, you could make a great Remote Sensing Scientist

- Great with technology
- Excellent problem solver
- Curious and creative
- Good attention to detail
- Adaptable and flexible
- Great communicator
- Works well in teams
- Analytical and thorough

What's involved in the job?

- Using satellites, drones, and sensors to capture images and data
- Processing and analysing collected images and data
- Spotting and classifying various geological features
- Monitoring environmental changes and phenomena
- Assessing damage and coordinating rescue efforts after natural disasters



- Using historical data to predict future patterns
- Presenting insights to businesses, government, and the public
- Creating models that simulate real-world scenarios

Where do Remote Sensing Scientists work?

Remote Sensing Scientists typically spend most of their time working indoors, but their work can also involve some outdoor activities.

What kind of lifestyle can I expect?

Most Remote Sensing Scientists work full-time, and part-time and casual roles aren't very common. They often work for government, research institutions, and private companies and organisations.

Many Remote Sensing Scientists earn an above average salary throughout their career. Opportunities can be found in both metropolitan and rural areas. However, the types of opportunities and focus areas might differ based on the location and the needs of the community or industry in that region.

How to become a Remote Sensing Scientist

To become a Remote Sensing Scientist you will need to complete a relevant university degree.

Step 1 – Complete high school with a strong focus on English and Maths. Sciences and IT could also be beneficial.

Step 2 – Find work experience with STEM or tech-related organisations or businesses.

Step 3 – Complete a relevant undergraduate degree, such as in geospatial science, geography, or environmental science.

Step 4 – Consider further studies or research opportunities.

Step 5 – Stay updated on the latest advancements in remote sensing technology.

Find out more here:

- [EnvironmentalScience.org](https://www.environmentalscience.org)
- [NASA](https://www.nasa.gov)
- [ECO Canada](https://www.eco.ca)

Similar Careers to Remote Sensing Scientist

- Drone Operator
- Data Scientist
- Environmental Scientist
- Geologist
- Climate Scientist
- Meteorologist



- Machine Learning Engineer

Find out more about alternative [careers](#).