



Studying science, engineering and technology (SET) at the undergraduate level, requires active engagement in order to find out where your degree might take you. This means reading industry publications and research journals, attending careers events, understanding the science & innovation cycle in knowledge-based economies, talking to people already working in a field of interest, and building your network.

As some career paths will require further study, finding out what the market seeks from science graduates means understanding your aptitude and interests, understanding the labour market and making a plan to achieve your goals.

The following links are a good starting point in helping you with exploring various careers. Most sites listed are Australian; however there are also some useful overseas sites which deal with specific majors:

UK Graduate Careers Website:

[prospects.ac.uk/cms/ShowPage/Home\\_page/Options\\_with\\_your\\_subject/pleXbLc](https://prospects.ac.uk/cms/ShowPage/Home_page/Options_with_your_subject/pleXbLc)

University of Victoria, Wellington, New Zealand:

[victoria.ac.nz/st\\_services/careers/Resources/index.aspx](https://victoria.ac.nz/st_services/careers/Resources/index.aspx)

University of Tennessee:

[whatcanidowiththismajor.com/major/majors](https://whatcanidowiththismajor.com/major/majors)

## General

**For all majors, start by checking out these Science Faculty sites:**

[bsc.unimelb.edu.au/careers](https://bsc.unimelb.edu.au/careers)

[bsc.unimelb.edu.au/course-planner](https://bsc.unimelb.edu.au/course-planner)

Graduate Careers Australia (GCA) - Career Profiles: Science

[graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm](https://graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm)

Federal Government's Science Portal

[science.gov.au](https://science.gov.au)

Careers in Research – University of Melbourne

[graduate.science.unimelb.edu.au/programs/index.php](https://graduate.science.unimelb.edu.au/programs/index.php)

Careers in Medical Laboratory Science: (US and Ireland)

[gradireland.com/careers-advice/job-descriptions/medical-laboratory-scientist](https://gradireland.com/careers-advice/job-descriptions/medical-laboratory-scientist)

BBC produced Science Career Videos

[vega.org.uk/video/series/10](https://vega.org.uk/video/series/10)

Online industry magazine (US) – includes various articles and career stories

[sciencecareers.sciencemag.org](https://sciencecareers.sciencemag.org)

Go to Career Magazine, type in major or field of interest in 'Articles' search

ABC Science show

[abc.net.au/radionational/programs/scienceshow](https://abc.net.au/radionational/programs/scienceshow)

Live or podcast – look for those discussing career paths or keep up to date with current science topics. For an informative look at careers after a PhD and a free e book From Scholar to Dollar go to

[abc.net.au/radionational/programs/scienceshow/after-the-phd/5981004](https://abc.net.au/radionational/programs/scienceshow/after-the-phd/5981004)

TED Talks

Have a look at the Science and Medicine playlists for those that discuss careers or use the talks as a way of increasing your awareness of current topics.

[ted.com/playlists](https://www.ted.com/playlists)

Interesting rethinking of science careers – 10 “types” of scientist

[sciencecouncil.org/10-types-scientist#explorer](https://sciencecouncil.org/10-types-scientist#explorer)

Journal of Young Investigators

Use the Career Snapshots link in the Career Centre tab

[jyi.org/issues-archive/?dat=0&cat=science-careers](https://jyi.org/issues-archive/?dat=0&cat=science-careers)

The Conversation

Have a look at the Science or Environment tabs. Increase your awareness of current topics and the people that are contributing to discussion in the field.

[theconversation.com/au](https://theconversation.com/au)

### Areas of Study

- Chemical Sciences
- Earth Sciences
- Environmental Sciences
- Engineering Systems
- Information Technology
- Life Sciences
- Mathematics and Statistics
- Physical Sciences
- Psychological Sciences

## Chemical Sciences

*Biochemistry and Molecular Biology, Chemistry, Food Science, Geology, Pathology, Pharmacology, Physics*

### Biochemistry and Molecular Biology

Biochemical Society (US) – careers page:

[biochemistry.org/Education/Careers/tabid/344/Default.aspx](https://www.biochemistry.org/Education/Careers/tabid/344/Default.aspx)

### Chemistry

Faculty site – look at range of career destinations, then go to Career Profiles:

[chemistry.unimelb.edu.au/careers](https://chemistry.unimelb.edu.au/careers)

Royal Australian Chemical Institute

[raci.org.au/jobs-careers/career-profiles-2](https://raci.org.au/jobs-careers/career-profiles-2)

American Chemical Society – careers portal:

[acs.org/content/acs/en/careers.html](https://acs.org/content/acs/en/careers.html)

Royal Society of Chemistry (US)

[rsc.org/education/schoolstudents/faqscareers.asp](https://rsc.org/education/schoolstudents/faqscareers.asp)

### Food Science

Faculty of Veterinary and Agricultural Science

[fvas.unimelb.edu.au/study/courses/master-of-food-science/overview](https://fvas.unimelb.edu.au/study/courses/master-of-food-science/overview)

CSIRO - Food Science Division

[csiro.au/en/Research/FNF](https://csiro.au/en/Research/FNF)

Industry careers site which gives career profiles – search by Occupation or Industry:

[landlearn.net.au/careersfile/search.htm](https://landlearn.net.au/careersfile/search.htm)

(Agriculture, Natural Resources and Food industries)

Australian Institute of Food Science and Technology  
[aifst.asn.au](http://aifst.asn.au)

**Geology** – refer to entry under Study Area: **Earth Sciences**

**Pathology** – refer to *Biomedicine Career Links*

**Pharmacology** – refer to *Biomedicine Career Links*

**Physics/Mathematical Physics** – refer to entry under Study Area: **Physical Sciences**

## Earth Sciences

*Atmospheric Science and Oceanography, Geology*

Atmospheric Science and Oceanography

Faculty site:

[earthsci.unimelb.edu.au](http://earthsci.unimelb.edu.au)

Careers at the Meteorological Bureau:

[bom.gov.au/careers](http://bom.gov.au/careers)

American Meteorological Society:

[ametsoc.org/pubs/careers.html](http://ametsoc.org/pubs/careers.html)

Careers with the EPA (Environment Protection Authority):

[epa.vic.gov.au/about-us/careers](http://epa.vic.gov.au/about-us/careers)

### Geology

Faculty site:

[earthsci.unimelb.edu.au](http://earthsci.unimelb.edu.au)

Geological Society of Australia – excellent selection of careers resources:

[gsa.org.au/careers.html](http://gsa.org.au/careers.html)

Earth Science Australia – Career as a Geologist

[earthsci.org/education/careers/geolo/geolo.html](http://earthsci.org/education/careers/geolo/geolo.html)

Graduate Careers Australia (GCA) - Career Profiles: Minerals and Energy

[graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm](http://graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm)

AusIMM The Minerals Institute – careers page

[ausimm.com.au/content/default.aspx?ID=147](http://ausimm.com.au/content/default.aspx?ID=147)

## Environmental Sciences

*Ecology and Evolutionary Biology, Environmental Science, Geography*

### General

Environmental Jobs Network (EJN) website – useful reading all round, but particularly excellent career publications:

[environmentaljobs.com.au/resources/publications](http://environmentaljobs.com.au/resources/publications)

Graduate Careers Australia (GCA) - Career Profiles: Environment

[graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm](http://graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm)

Industry careers site which gives career profiles – search by Occupation or Industry:

[landlearn.net.au/careersfile/search.htm](http://landlearn.net.au/careersfile/search.htm)

(Agriculture, Natural Resources and Food industries)

See also:

### **Ecology and Evolutionary Biology**

Faculty site:

[botany.unimelb.edu.au/botany/courses/undergrad/ug\\_careerspec.html](http://botany.unimelb.edu.au/botany/courses/undergrad/ug_careerspec.html)

### **Environmental Science**

Careers with the EPA (Environment Protection Authority)

[epa.vic.gov.au/about-us/careers](http://epa.vic.gov.au/about-us/careers)

### **Geography**

School of Geography

[geography.bespoke.unimelb.edu.au](http://geography.bespoke.unimelb.edu.au)

## **Engineering Systems**

*Bioengineering systems, Chemical Systems, Civil Systems, Computing & Software Systems, Electrical Systems, Geomatics, Mechanical Systems*

### **General**

School of Engineering:

[eng.unimelb.edu.au/study/careers](http://eng.unimelb.edu.au/study/careers)

Download the “Careers Pathways Brochures” for information on career possibilities and planning for each of the specialist engineering areas.

Graduate Careers Australia (GCA) – Career Profiles: Engineering

[graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm](http://graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm)

Engineers Australia:

[engineersaustralia.org.au](http://engineersaustralia.org.au)

Go to What is Engineering? And For Young Engineers

**See also:**

### **Biomedical Engineering**

Engineering in Medicine and Biology - Career Outcomes

[eng.unimelb.edu.au/study/degrees/bachelor-science-bioengineering/overview](http://eng.unimelb.edu.au/study/degrees/bachelor-science-bioengineering/overview)

## **Information Technology**

*Computing & Software Systems, Geomatics, Informatics*

### **General**

Australian Computer Society

[acs.org.au](http://acs.org.au)

Go to Accredited Courses and Jobs and also Become a Member - Student

Graduate Careers Australia (GCA) – Career Profiles: Information and Communication Technologies

[graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm](http://graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm)

**See also:**

### **Informatics**

US networking site for those seeking career in bioinformatics:

[biohealthmatics.com](http://biohealthmatics.com)

**Geomatics** – refer to entry under Study Area: **Engineering Systems**

**Computing & Software Systems** – refer to entry under Study Area: **Engineering Systems**

# Life Sciences

*Agricultural science, Animal health and Disease, Biochemistry and Molecular Biology, Biotechnology, Cell and Developmental Biology, Animal Science and Management, Ecology and Evolutionary Biology, Food Science, Genetics, Human Structure and Function, Marine Biology, Microbiology, Infection and Immunology, Neuroscience, Pharmacology, Physiology, Plant Science, Zoology*

**For study areas related to Biomedical Sciences – refer to Career Links - Biomedicine  
Agricultural Science**

Faculty of Veterinary and Agricultural Science

[fvas.unimelb.edu.au](http://fvas.unimelb.edu.au)

(See Farming & Agriculture, Viticulture, Dairy, Horses)

Industry careers site which gives career profiles – search by Occupation or Industry:

[landlearn.net.au/careersfile/search.htm](http://landlearn.net.au/careersfile/search.htm)

(Agriculture, Natural Resources and Food industries)

**Biochemistry and Molecular Biology** – refer to entry under Study Area: **Chemical Sciences**

## **Biotechnology**

Excellent descriptions of biotechnology sectors:

[ausbiotech.org](http://ausbiotech.org)

See also – Biotechnology Directory which lists companies in various biotech sectors

See also – Student Association for biotech career events and information

## **Animal Science and Management**

**Ecology and Evolutionary Biology** – refer to entry under Study Area: **Environmental Sciences**

**Food Science** – refer to entry under Study Area: **Chemical Systems**

## **Marine Biology**

Faculty site:

[botany.unimelb.edu.au/botany/courses/undergrad/ug\\_careerspec.html](http://botany.unimelb.edu.au/botany/courses/undergrad/ug_careerspec.html)

## **Plant Science**

Faculty site research centre:

[botany.unimelb.edu.au/botany/research/research\\_centres.html](http://botany.unimelb.edu.au/botany/research/research_centres.html)

Botanical Illustrator Profile (ABC)

[abc.net.au/acedayjobs/cooljobs/profiles/s2296870.htm](http://abc.net.au/acedayjobs/cooljobs/profiles/s2296870.htm)

City Arborist Profile (ABC)

[abc.net.au/acedayjobs/cooljobs/profiles/s2326130.htm](http://abc.net.au/acedayjobs/cooljobs/profiles/s2326130.htm)

## **Zoology**

Department site

[www.zoology.unimelb.edu.au/careers/index.php](http://www.zoology.unimelb.edu.au/careers/index.php)

Reptile Keeper Profile (ABC)

[abc.net.au/acedayjobs/cooljobs/profiles/s2063278.htm](http://abc.net.au/acedayjobs/cooljobs/profiles/s2063278.htm)

Aquaculturist Profile (ABC)

[abc.net.au/acedayjobs/cooljobs/profiles/s2599802.htm](http://abc.net.au/acedayjobs/cooljobs/profiles/s2599802.htm)

# Mathematics and Statistics

*Mathematical Physics, Mathematics and Statistics*

## Mathematics and Statistics

Australian Mathematical Society:

[austms.org.au](http://austms.org.au)

Go to Careers within Jobs section to find a list of other relevant careers sites

For Operations Research, check out the professional association site:

[asor.ms.unimelb.edu.au/career](http://asor.ms.unimelb.edu.au/career)

Australian Mathematical Sciences Institute

[careers.amsi.org.au](http://careers.amsi.org.au)

# Physical Sciences

*Atmosphere and Ocean Sciences, Mathematical Physics, Physics*

## Physics/Mathematical Physics

Physics Today (US)

[physicstoday.org/jobs/career\\_resources/profiles](http://physicstoday.org/jobs/career_resources/profiles)

Physics on the web:

[physics.org](http://physics.org)

Institute of Physics – Your future with Physics

[iop.org/activity/careers/what/index.html](http://iop.org/activity/careers/what/index.html)

Biophysicist Profile (ABC)

[abc.net.au/acedayjobs/cooljobs/profiles/s2037586.htm](http://abc.net.au/acedayjobs/cooljobs/profiles/s2037586.htm)

What You Can Do With Physics Physicist Profiles (US)

[aps.org/careers/physicists/profiles/index.cfm](http://aps.org/careers/physicists/profiles/index.cfm)

**Atmosphere and Ocean Sciences** – refer to entry under Study Area: **Earth Sciences**

# Psychological Sciences

*Psychology*

## Psychology

Graduate Careers Australia (GCA) - Career Profiles: Psychology

<http://www.graduatecareers.com.au/CareerPlanningandResources/careerprofiles/index.htm>

# Related fields

## Science Communication

Australian Science Communicators:

[asc.asn.au](http://asc.asn.au)

Center for Public Engagement with Science & Technology

[aaas.org/pes/communicatingscience](http://aaas.org/pes/communicatingscience)

Good summary of science communications applications (Note: the courses listed are under review, however the career information is still relevant as at September 2015)  
[science.uwa.edu.au/courses/postgraduates/science\\_communication](http://science.uwa.edu.au/courses/postgraduates/science_communication)

### **Health Promotion**

Good overview of the field on Department of Health site. Go to 'Populations and Settings' to see what health promotion work entails:  
[health.vic.gov.au/healthpromotion/index.htm](http://health.vic.gov.au/healthpromotion/index.htm)

Department site also includes list of health promotion professional associations:  
[health.vic.gov.au/workforce/links.htm](http://health.vic.gov.au/workforce/links.htm)

### **Teaching**

Faculty site:  
[education.unimelb.edu.au/study\\_with\\_us/become\\_a\\_teacher](http://education.unimelb.edu.au/study_with_us/become_a_teacher)