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

University of Victoria, Wellington, New Zealand: 
victoria.ac.nz/st_services/careers/Resources/index.aspx

University of Tennessee: 
whatcanidowiththismajor.com/major/majors

General

For all majors, start by checking out these Science Faculty sites:
bsc.unimelb.edu.au/careers
bsc.unimelb.edu.au/course-planner

Graduate Careers Australia (GCA) - Career Profiles: Science 

Federal Government’s Science Portal 
science.gov.au

Careers in Research – University of Melbourne 
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

BBC produced Science Career Videos 
vega.org.uk/video/series/10

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

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

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**

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

**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**

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**

**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

**Chemistry**

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

chemistry.unimelb.edu.au/careers

Royal Australian Chemical Institute

raci.org.au/jobs-careers/career-profiles-2

American Chemical Society – careers portal:

acs.org/content/acs/en/careers.html

Royal Society of Chemistry (US)

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

CSIRO - Food Science Division

csiro.au/en/Research/FNF

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

landlearn.net.au/careersfile/search.htm
Earth Sciences

Atmospheric Science and Oceanography, Geology

Atmospheric Science and Oceanography
Faculty site:
earthsci.unimelb.edu.au

Careers at the Meteorological Bureau:
bom.gov.au/careers

American Meteorological Society:
ametsoc.org/pubs/careers.html

Careers with the EPA (Environment Protection Authority):

Geology
Faculty site:
earthsci.unimelb.edu.au

Geological Society of Australia – excellent selection of careers resources:
gsa.org.au/careers.html

Earth Science Australia – Career as a Geologist
earthsci.org/education/careers/geolo/geolo.html

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

AusIMM The Minerals Institute – careers page
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

Graduate Careers Australia (GCA) - Career Profiles: Environment

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

**Environmental Science**
Careers with the EPA (Environment Protection Authority)

**Geography**
School of Geography
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
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

Engineers Australia:
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

**Information Technology**
*Computing & Software Systems, Geomatics, Informatics*

**General**
Australian Computer Society
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

See also:

**Informatics**
US networking site for those seeking career in bioinformatics:
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
(See Farming & Agriculture, Viticulture, Dairy, Horses)

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

**Plant Science**

Faculty site research centre: botany.unimelb.edu.au/botany/research/research_centres.html

Botanical Illustrator Profile (ABC) abc.net.au/acedayjobs/cooljobs/profiles/s2296870.htm

City Arborist Profile (ABC) abc.net.au/acedayjobs/cooljobs/profiles/s2326130.htm

**Zoology**

Department site www.zoology.unimelb.edu.au/careers/index.php

Reptile Keeper Profile (ABC) abc.net.au/acedayjobs/cooljobs/profiles/s2063278.htm

Aquaculturist Profile (ABC) 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  

**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  

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)  

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

**Psychological Sciences**
*Psychology*

**Psychology**
Graduate Careers Australia (GCA) - Career Profiles: Psychology  

**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

Health Promotion
Good overview of the field on Department of Health site. Go to 'Populations and Settings' to see what health promotion work entails:


Department site also includes list of health promotion professional associations:


Teaching
Faculty site:
education.unimelb.edu.au/study_with_us/become_a_teacher