

Science Careers

A guide to careers in Health, Nutrition and Pharmacy



University of
South Australia

PHARMACY/ PHARMACEUTICAL SCIENCE

- > Study SA's only Pharmacy or Pharmaceutical Science degree
- > Learn in our new \$247 million Health Innovation Building
- > Build industry connections through placements or industry projects



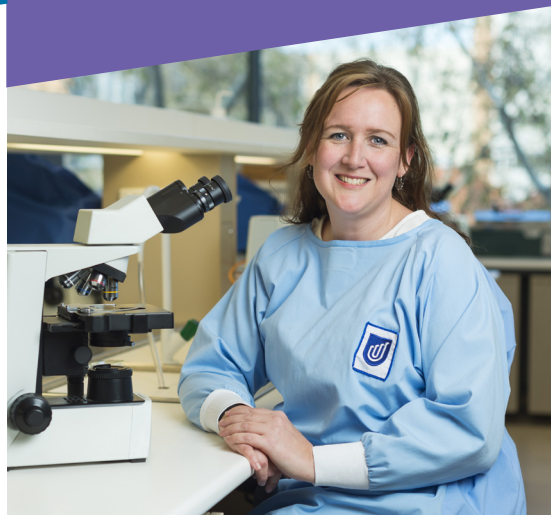
Pharmacist Queen Elizabeth Hospital

Rebecca Tattingham
UniSA Pharmacy/Pharmaceutical Science graduate

"The double degree provides a broader range of knowledge about medications; from their discovery and development through to what information patients need to know prior to taking medications. This results in a vast array of career options."

MEDICAL SCIENCE

- > Prepare for a career in diagnostic pathology, biotechnology, forensics or research
- > Undertake research projects with our Sansom Institute for Health Research or the Centre for Cancer Biology
- > Choose to study electives at the Australian National University in Canberra
- > Learn in purpose-built laboratories on campus



Research Assistant Sansom Institute for Health Research, UniSA

Chelsea Thomas
UniSA Medical Science graduate

"I have always had a passion for science and medicine and this degree covered those areas. I also had the opportunity to put the molecular laboratory skills I had learnt into practice through placement, and undertook a research project at the Centre for Cancer Biology."

LABORATORY MEDICINE

- > Study the only degree in SA fully accredited by the Australian Institute of Medical Scientists
- > Gain industry experience in a clinical setting
- > Learn in purpose-built laboratories on campus
- > Graduate with a dedicated honours degree and the skills needed to work as an accredited medical scientist



Medical Scientist SA Pathology

Mike Attwell
UniSA Laboratory Medicine graduate

"I was drawn to study Laboratory Medicine due to my interest in biochemistry and genetics. The course's multidisciplinary focus was an advantage as it allowed me the option to focus my learning on my interests within the field."

NUTRITION AND FOOD SCIENCES

- > Learn in a dedicated nutrition and food sciences hub on campus
- > Enjoy strong links with the food industry and community with field trips to major nutrition and food providers
- > Choose to study a double degree with Human Movement or Exercise and Sport Science



Microbiology Specialist Lion Australia and New Zealand

Scott Woollett
UniSA Nutrition and Food Sciences graduate

"I wanted to study something that combined my love of food with the Chemistry and Biology subjects that I was good at. UniSA was the only university that allowed me to study both nutrition courses and to major in food science."

WHERE CAN MY INTEREST IN SCIENCE TAKE ME?



What subjects am I interested in?



Biology

How the body works
Human anatomy
Living organisms
Cellular structures
The science of life



Chemistry

Chemical ingredients of everyday products
Matter and material properties
Chemical reactions
Environmental impact of human activity
How we use the Earth's resources



Physics

The universe, matter and energy
The science behind motion and force
Atoms and nuclei
Light and sound
Electricity and magnetism



Which degrees are suited to my interest areas?

**The successful completion of year 12 Biology, Chemistry or Physics is a prerequisite for entry.*

If you have completed one of these subjects in year 12, will be well placed to study any of the below degrees.



Bachelor of Pharmacy (Honours)*

Development, testing and manufacture of drugs
Preparation and supply of medicines
Drug regulation
Clinical research



Bachelor of Pharmaceutical Science*

Marketing and sales of medicines
Evaluation of medicines
Identification and measurement of drugs
Drug research



Bachelor of Laboratory Medicine (Honours)*

Disease diagnostics, management and research
Diagnostic pathology
Public health management
Forensic pathology



Bachelor of Medical Science

Medical research
Biotechnology
Forensic science
Medical informatics



Bachelor of Nutrition and Food Sciences

Nutrition
Food policy
Flavour technology
Food and beverage production
Food safety



What are some of the possible career outcomes?