



**Natalie Quick**

**Faculty of Science and Technology**



# Campuses



**Melbourne Campus at Burwood**



**Geelong Campus at Waurm Ponds**



**Geelong Waterfront Campus**



**Warrnambool Campus**

# Science and Technology courses offer:

- > Flexibility
- > Off campus units
- > Approachable staff
- > Friendly environment
- > Hands-on experience
- > Scientific research
- > Regional campuses
- > Industry-based learning opportunities



# Science and Technology offers courses in:

- > **Architecture and Built Environment**
- > **Engineering**
- > **Environment**
- > **Information Technology**
- > **Science**



# Architecture and Built Environment Courses

## Geelong Waterfront Campus

- > Bachelor of Design (Architecture)  
Master of Architecture
- > Bachelor of Construction Management
- > Bachelor of Design (Architecture) /Bachelor  
of Construction Management



# Careers for Architecture and Construction Management Graduates

- > Architect
- > Building Designer
- > Interior Designer
- > Construction Manager
- > Project Manager
- > Site Engineer
- > Quantity Surveyor
- > Facilities Manager
- > Built Environment Researcher



# Engineering Courses

## Bachelor of Engineering

### Geelong Campus at Waurn Ponds

- > Civil
- > Mechanical
- > Mechatronics and Robotics



# Careers for Engineering Graduates

## ➤ **Mechanical Engineer**

- Automotive
- Aerospace
- Aircraft
- Railroad
- Ship building

## ➤ **Mechatronics Engineer, Robotics Engineer**

- Advanced manufacturing,
- Aircraft control and navigation
- Automated vehicles
- Automation
- Control system design
- Factory control

# Careers for Engineering Graduates

## ➤ **Civil Engineer**

- Consulting engineers
- Water authorities
- Construction companies
- Local government authorities
- Road and traffic authorities
- Regulatory authorities
- Civil engineering contractors



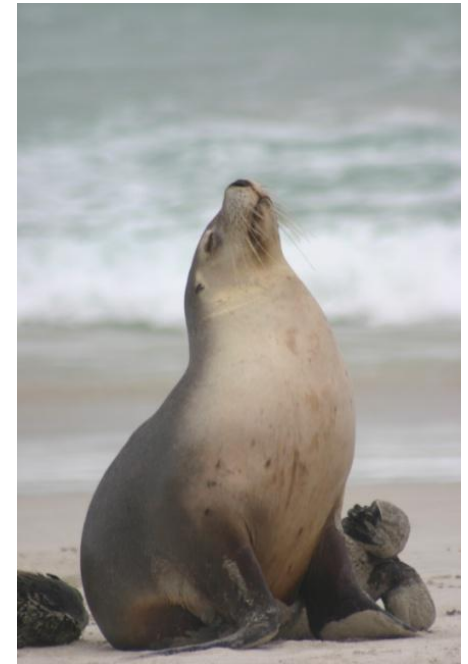
# Environmental Sciences Courses

## **Bachelor of Environmental Science** **Melbourne Burwood Campus**

- > (Wildlife and Conservation Biology)
- > (Environmental Management)

## **Bachelor of Environmental Science** **Warrnambool Campus**

- > (Marine Biology)
- > (Freshwater Biology and Management)



# Careers for Environment Graduates

- > Environmental Scientist
- > Landscape Ecologist
- > Wildlife Officer
- > Fisheries Officer
- > Catchment Manager
- > Landcare Facilitator
- > Consultant
- > Environmental / Coastal Planner
- > Park Ranger
- > Education / Interpretation Officer
- > Marine and Coastal Manager
- > Research Officer
- > Environmental Assessor
- > Fisheries Biologist
- > Water Quality Officer
- > Waterways Manager



# Information Technology Courses

## Bachelor of Information Technology Melbourne Burwood Campus

- > BIT – generic degree
- > (IT Security)
- > (Multimedia Technology)
- > (Games Design & Development )
- > (Computer Science & Software Development)
  
- > (Honours)
- > (Professional)



# Information Technology Courses

## Bachelor of Information Technology Geelong Waurin Ponds Campus

- > (Games Design and Development)
- > (Computer Science and Software Development)
- > Honours)
- > (Professional)



# Careers for Information Technology Graduates

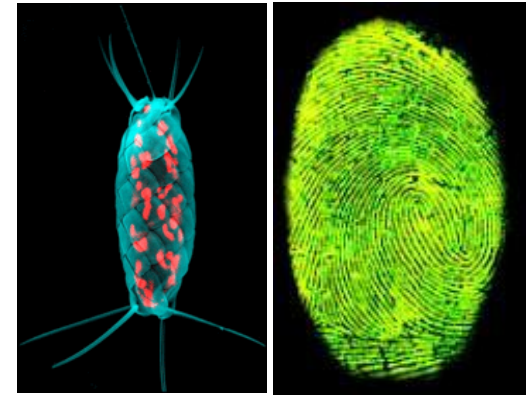
- > Cryptographer
- > IT Forensic Scientist
- > Project Manager
- > Network Manager
- > Computer Integrator
- > System Analyst
- > Multimedia Designer / Analyst
- > Game Designer / Developer / Programmer
- > Database and Web Designer / Manager
- > Multimedia System Designer / Developer
- > IT security Specialist / Consultant / Analyst/System Developer / Manager
- > Object Oriented and Procedural Computer programmer



# Science Courses

## Melbourne Burwood Campus

- > Bachelor of Science
- > Bachelor of Biomedical Science
- > Bachelor of Biological Science



## Geelong Waurun Ponds Campus

- > Bachelor of Science
- > Bachelor of Biomedical Science
- > Bachelor of Forensic Science

# Careers for Science Graduates

- > Scientific Laboratories – technicians / research
- > Chemical / Pharmaceutical Industries
- > Manufacturing / Petrochemical / Mining Industries
- > Diplomatic Service
- > Sports Psychology
- > Industrial Relations
- > Science Media / Journalism / Communications
- > Teaching
- > Consulting firms
- > Government Agencies
- > Insurance Claims / Risk Assessment
- > Medicine



# Work-Integrated Learning

- Enables students to incorporate a full or part time industry placement as part of their degree
- Internship or
- Industry Based Learning placement



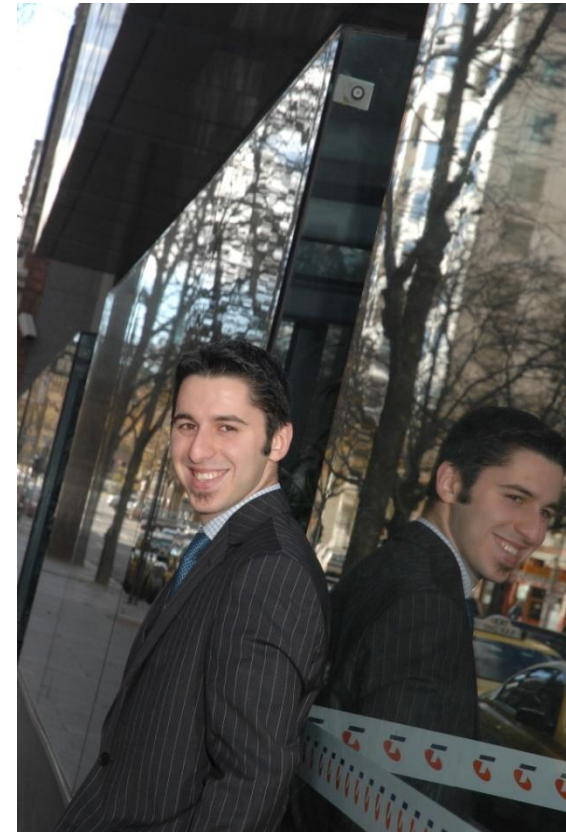
# Work-Integrated Learning

- Generally courses offering work experience in industry are highly sought after by employers.
- They play a critical role in the development of employability skills and job readiness of graduates



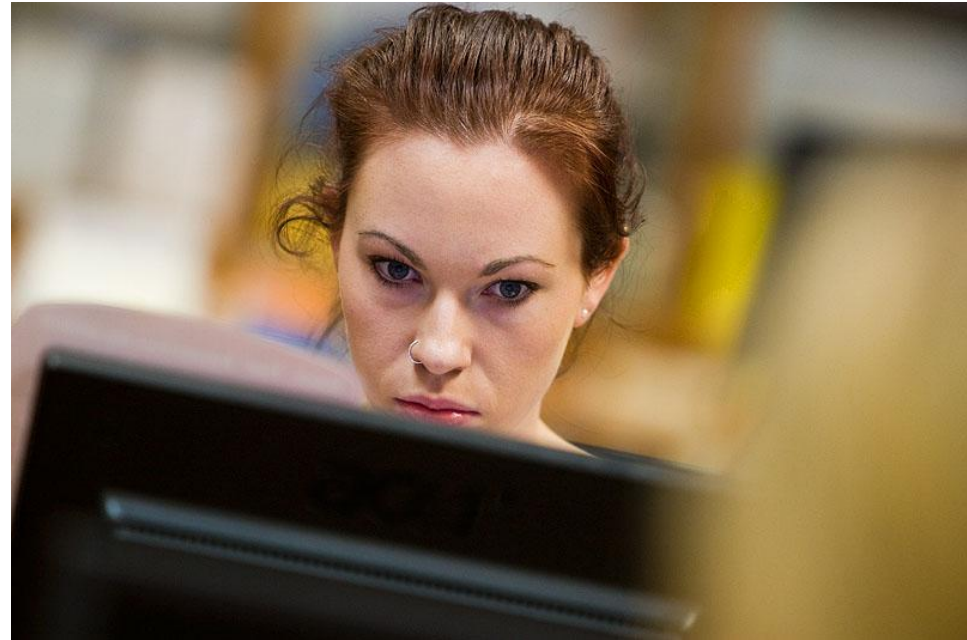
# Work-Integrated Learning

- Industry placements prepare students for graduate employment
- opportunity to apply and consolidate knowledge gained in their course
- develop good work practices



# Work-Integrated Learning

- Students experience work place culture
- explore career options in their discipline area
- develop a professional network





# Deakin Science & Technology WIL Program

- Every student has the opportunity to undertake WIL as part of their degree
- The industry placements set up as elective units earning credit points towards the degree.
- Placements supervised & assessed.
- Students are prepared for their industry placement by a professional development program

# IBL Program

- Open to students with weighted average mark  $\geq 70\%$
- The Faculty assists in finding placements
- Duration between 3 - 12 months (equivalent to 1, 2 or 4 CPs).
- Full or part-time.
- Students get a tax-free scholarship usually \$620+ per week .

# IBL Student Profile Nishad Shah

Nishad, a Masters in Information Technology (Professional) student, “I was given the biggest opportunity in my professional career; a 6 month IBL placement at the SKILLED Group. I was placed in Information Technology Service Department, PMO (Project Management Office) section as a Process Improvement Analyst.

I was successful in securing a graduate position at Coles. Coles received 5800 graduate applications from all over the Australia ... I was one of the six offered an opportunity to join their team in the head office from 2010. This would not have been possible without the 6 months of industry experience at SKILLED as an IBL Student.



# Internship program

- WAM requirement only 50%
- Industry or Research based placements
- Approximately 15 days of work (100 hours of work),
  - One day a week during a trimester or
  - More concentrated placement over semester break
- Usually unpaid
- Assessed and credited to the degree
- Students assisted to find their own placements

# Internship Student Profile Veelasha Moonsamy

Bachelor of IT (IT Security and Mathematical Modelling) student Veelasha Moonsamy completed an internship with CSIRO. She was assigned a project to simulate a train schedule for 'Hunter Valley Coal Industry'. "I highly recommend an internship to students considering one. It can be a 'career-changing' experience. I learned new technical skills ..and discovered the numerous applications of mathematics in today's world ...I learned how to work as part of a team and exchange ideas. I improved my presentation skills and improved ways to deal with stress and time management."





# Course Enquiries

All courses and general enquiries:

**1300 DEGREE (1300 334 733)**

[enquiries@deakin.edu.au](mailto:enquiries@deakin.edu.au)

[www.deakin.edu.au/scitech](http://www.deakin.edu.au/scitech)