Bachelor of Medical Laboratory Science

**Course Summary**

**SATAC COURSE CODE**
114861

**CAMPUS**
CASUARINA

**MODE**
INTERNAL

**DURATION**
4 YRS F/T, EQUIV P/T
3 ½ YRS ACCELERATED

**SEMESTER INTAKE**
S1

**COURSE OUTLINE**

Charles Darwin University (CDU) in collaboration with the Royal Darwin Hospital Pathology Department, has introduced a Bachelor of Medical Laboratory Science program from 2011. Features of the course include work-integrated learning, a 3.5 year accelerated option and opportunities for part-time, laboratory-based work and industry placements and scholarships.

Medical Laboratory Science
- Generates information for detecting diseases and healthcare treatment
- Impacts the health of every patient needing health care, blood supply, pathology test results and health monitoring
- With a national and worldwide shortage in the field, now is the time to consider a career in medical laboratory sciences

This program features:
- Professional training in medical laboratory science
- Work integrated learning with 18 months of clinical placements
- Further career opportunities in medical research, allied health industry, forensic pathology, public health and the pharmaceutical industry

**CAREER OPPORTUNITIES**

Medical Laboratory Science is a discipline that has identified work force shortages both in the Northern Territory and more widely in Australia. Graduates of the course will have the core knowledge and skills to work in all key areas of a diagnostic pathology laboratory, medical research, and the medical or allied health care profession, providing a service that is essential to the health care system. Medical Laboratory Scientists also undertake research into the causes and cures of disease, and work towards improving the reliability and efficiency of tests used in disease detection. Graduates are employed in fields such as diagnostic pathology, forensic pathology, and research laboratories, as well as health management, public health departments, the Red Cross Blood Service, educational institutes and the pharmaceutical industry.
COURSE STRUCTURE
The Bachelor of Medical Laboratory Sciences is a vocational and professionally oriented degree designed to prepare students for a career as a medical laboratory scientist. In the first year, students will study chemistry, anatomy and physiology, microbiology, cell biology and genetics. The second year will include biochemistry, biotechnology, microbiology, immunology, haematology, histology and histochemistry and biotechnology. In their third and fourth years, students will study transfusion medicine, clinical biochemistry, microbiology, and cell pathology, before learning about various clinical applications in a professional placement setting, such as blood cross-matching, identifying infectious organisms, performing cellular and genetic screening, and investigating cellular, chemical and toxicological abnormalities. Placements will be undertaken in approved diagnostic and research laboratories both in Darwin and rural/remote areas.

POST GRADUATE OPTIONS
CDU offers a Bachelor of Science (Honours), Masters by Research and Doctor of Philosophy degrees for students interested in pursuing a research career in medical or laboratory science.