Bachelor of Science (Honours)

COURSE OUTLINE
This one-year full-time Honours course (or part-time equivalent) provides an opportunity for students to study a particular area in depth and gain experience in project management. The course trains students in research techniques and principles, develops advanced information acquisition, analysis and problem solving skills, and develops skills to effectively communicate research results in written and oral formats. Students develop these skills through pursuing in-depth research under the guidance of experienced researchers, and through coursework targeted to provide appropriate research training. During the research project, students are mentored and advised by experts in the relevant discipline.

Honours students are expected to successfully manage a complex project as well as demonstrate research skills and technical or clinical skills. Projects are available in a number of disciplines including Information Technology (which includes discipline areas such as Networking, Mobile and Software Development and Information Systems), Environmental Science (which includes discipline areas such as Environmental Science, Biology, Ecology and Spatial Science), Health (which includes discipline areas such Health Science, Midwifery and Nursing) and Clinical Science (which includes discipline areas such as Medical Science, Clinical Science, Sports and Exercise Science and Pharmacy). Graduates can use these advanced skills in industry and government, in areas such as research, practice and policy development, and positions requiring highly developed conceptual and analytical skills.

As well as providing advanced training for work in industry and government, Honours qualifications are also essential preparation for research work at Master and Doctoral levels. Honours research projects at Charles Darwin University may be hosted by a range of Schools and Institutes including the world-ranked research teams at the Research Institute for Environment and Livelihoods and Menzies School of Health Research.

Assumed Knowledge or Prerequisites
Applicants must have successfully completed an appropriate bachelor degree with an average grade of at least credit (GPA of 5.0), or equivalent, and contacted the course coordinator to discuss projects.
ENTRY REQUIREMENTS
Entry into this course requires applicants to have:
• Successfully completed a recognised bachelor degree or equivalent in a science or science related discipline with at least an overall credit average. Such disciplines include: Information Technology, Environmental Science, Biology, Ecology, Spatial Science, Health Science, Midwifery, Nursing, Analytical Chemistry, Clinical Science, Exercise and Sports Science, Medical Laboratory Science and Pharmacy and similar degrees; and
• Contacted the Course Coordinator to discuss potential research projects and supervision.

CAREER OPPORTUNITIES
Career opportunities exist in roles such as scientist, environmental scientist, exercise and sports scientist, nurse or midwifery researcher, clinical nurse or midwifery specialist/consultant, environmental manager, exercise and sport scientist, biomedical scientist, teacher, scientific technical officer and laboratory manager. Students gain professional recognition and are introduced to research practices and culture. Many students develop professional networks with researchers and managers in industry and in government during their Honours research.

COURSE STRUCTURE
The Bachelor of Science Honours course consists of two coursework units in professional skills and a major research project. The coursework units provide training in research and professional skills, scholarly writing and literature review. Other advanced units can be substituted to meet particular project or student requirements. Students may complete research projects in a range of areas, such as aquaculture, biochemistry, molecular biology, botany, chemistry, ecology and environmental studies, environmental chemistry, exercise and sports science, mental health, aged care, acute care, chronic illness, public health, health and wellbeing, remote health and Indigenous health, spatial science, information technology, marine biology, microbiology, pharmacology, pharmacy and zoology.
Honours graduates receive one of the following exit awards, depending on the topic of their research project: Bachelor of Science Honours, Bachelor of Science Honours (Information Technology), Bachelor of Science Honours (Environmental Science), Bachelor of Science Honours (Health) or Bachelor of Science Honours (Clinical Science).

POSTGRADUATE OPTIONS
The course provides a vital link from the Bachelor programs to postgraduate degrees, such as Masters by Research or PhD. Successful candidates are eligible to apply for entry to a higher degree by research.

HOW TO APPLY
Submit applications online through SATIC.
www.satac.edu.au
For course-specific information please contact the Bachelor of Science Honours Course Coordinator through the School of Environment
E. environment@cdu.edu.au
T. +61 8 8946 6781
W. cdu.edu.au/ehse/honours-students