Bachelor of Biomedical Science
UNDA Course Code 3041
CRICOS Code 049306M
2017

WHY STUDY AT NOTRE DAME?
The University of Notre Dame Australia is proud of its small class sizes and caring community atmosphere. Committed to excellence, social justice and the pastoral care of students and staff, the University offers a uniquely personal approach to teaching and learning. Notre Dame empowers students to develop skills and confidence in order to succeed in their chosen field. As Notre Dame is a town university, students have access to all the social, sporting and cultural activities Fremantle has to offer, allowing learning to be both an educational and cultural experience.

The University emphasises the value of the whole person and the importance of maintaining an ethical and informed way of living. All students undertake studies in Philosophy, Ethics and Theology, exploring issues that go to the very heart of participation in public life, while developing valuable life skills. These units are designed to broaden students’ cultural understanding, business values and capacity to think critically and act morally.

INTRODUCTION
A Biomedical Science course at Notre Dame is a gateway to a rewarding career in a host of health-related fields and also provides the foundation for advanced scientific investigations. This course includes a general introduction to biological science plus coverage of topics such as anatomy, molecular and cell biology, microbiology, biochemistry, genetics, pathology, infectious disease, human physiology, immunology, neuroscience and reproductive biology.

The Bachelor of Biomedical Science consists of a prescribed series of units that have been designed to develop a range of theoretical and practical skills in students that form an appropriate basis for subsequent professional employment. It prepares students for postgraduate studies in areas such as research and teaching (by undertaking a postgraduate teaching qualification). This degree is also excellent pre-clinical preparation for postgraduate studies in the health and/or medical fields, such as Pharmacy, Nutrition and Medicine. More specifically, it provides foundation studies for students planning to sit the Graduate Australian Medical Schools Admissions Test (GAMSAT), which is a requirement for admission to all Australian graduate medical programs, such as the one offered at The University of Notre Dame.

In addition to the particular scientific knowledge gained through in-depth study in this course, the degree aims to develop in students the capacity to:

- Understand and apply modern scientific principles;
- Retrieve and present scientific information, orally and in writing, to both scientific and non-scientific audiences;
- Critically analyse information and solve problems;
- Analyse and evaluate numerical data;
- Work effectively as an individual and as a member of a team;
- Appreciate the role of science in society and the ethical issues it raises.

Students enrolled in the Bachelor of Biomedical Science will gain an understanding of the structure and the function of the human body, from the molecular level to whole systems. The course has been designed to incorporate teaching in a number of different mediums and students will complete a special program of workshops, seminars and discussions covering research in human biology and health related areas. Provision has also been made for students to include elective units in such areas as counselling, conflict resolution, accounting and management.

COURSE STRUCTURE
The Bachelor of Biomedical Science consists of 24 units as described below:

Three Core Curriculum Units
- Introduction to Philosophy
- Introduction to Theology
- Ethics

17 Required Units
- Introduction to Biological Sciences
- Human Structure and Function
- Molecular and Cell Biology
- Health Communications
- Introduction to Physical Sciences
- Anatomy and Physiology of Body Systems
- Data Analysis and Experimental Design
- Developmental Psychology
- Microbiology
- Biochemistry
- Physiology of Exercise
- Human Genetics
- Immunology
- Pathology
- Infectious Disease
- Neuroscience
- Reproductive Biology

Three Elective Units
Students choose three units from Health Sciences, Arts & Sciences, Business, and/or Counselling.

One Industry Practicum
- Biomedical Science Practicum (150 hours)

DOUBLE DEGREES
Students may also select Biomedical Science as part of a double degree combination, such as:

- Biomedical Science/Arts
- Biomedical Science/Commerce
- Biomedical Science/Preventive Health
PRACTICAL COMPONENT
As part of the Biomedical Science degree students participate in a practicum. This is a six week industry placement in an area of employment related to their studies, which can lead to valuable contacts and employment opportunities. The University will provide assistance to locate internship providers in areas such as medical laboratories, health administration, biomedical research facilities and other appropriate settings.

HONOURS
Students achieving an overall Grade Point Average (GPA) of 2.5 or higher in second and third year of the course may apply to enrol in the Bachelor of Biomedical Science Honours degree. The Honours program comprises the design and conduct of a research project and writing a research dissertation. Students are supervised in their research by a staff member.

MODE OF STUDY AND ASSESSMENT
Students may undertake study as a part-time or full-time student, commencing in Semester One (February) or in Semester Two (July), subject to unit availability. The assessment of competency in each unit consists of tutorial performance, a number of assignments or projects during the semester and a final examination.

STUDY ABROAD OPPORTUNITIES
Notre Dame has strong links with a number of universities in the United States and around the world. Students may have the opportunity of completing part of their degree in destinations including Boston, Washington DC, Indiana and in Europe.

ADMISSION REQUIREMENTS
Admission to The University of Notre Dame Australia is based on the following criteria:

- Personal qualities, motivation to study and academic potential
- Contribution to church, school and community life
- Academic record
- Interview

School leaver minimum academic entry requirements:

- Indicative minimum ATAR of 70
- Other approved scores as indicated by the University

School leaver prospective students are strongly encouraged to study both Mathematics and Science subjects in Year 12.

Mature age minimum academic entry requirements:

- Successful completion of a Notre Dame enabling program
- One semester (FTE) success in an undergraduate university course
- Certificate IV completed at a Registered Training Organisation (TAFE) or equivalent
- STAT score of 145 or higher
- Mature-age completion of two Year 12 WACE exams with a resulting ATAR of 70

FURTHER INFORMATION
The information contained in this publication is designed as a basic course description. Further information pertaining to admissions, fees or the University itself can be found in the Notre Dame Course Guide. International students refer to the International Course Guide.

For more information please contact the Prospective Students Office on (08) 9433 0533 or at future@nd.edu.au

Visit the website at www.nd.edu.au

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