

255AA Bachelor of Dental Science

Year and Campus:	2010 - Parkville
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Coordinator:	Professor Michael Burrow
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Course Overview:	<p>*NOTE: THE LAST INTAKE INTO THIS PROGRAM WAS SEMESTER 1, 2009. THERE WILL BE NO INTAKE IN 2010.</p> <p>The Bachelor of Dental Science course is a fixed, five-year full-time program with a new integrated curriculum. Students need to pass all subjects in their current year of enrolment before being allowed to proceed to the next year of the course.</p> <p>The curriculum incorporates a variety of teaching methods for the education of dentists. It focuses on principles and concepts, fosters the integration of basic and clinical sciences and crosses traditional discipline boundaries, encouraging skills in problem solving, self-directed learning and research.</p> <p>Students may qualify for the degree with honours, which is determined by their performance in second, third, fourth and fifth years of the course.</p> <p>The first three years of the curriculum concentrate on the basic sciences relevant to dentistry, ie. anatomy, biology, chemistry, microbiology, pathology, pharmacology and neuroscience. The later years are mostly devoted to clinical practice and matters arising from practice. Practical work is undertaken in the laboratories of the health science departments of the Faculty and in those of the Melbourne Dental School. Students' involvement in clinical work (a component of dental practice subjects) starts in first year. Clinical work is undertaken at the Royal Dental Hospital of Melbourne in all years of the course and at other major hospitals in Melbourne, community health centres and a four-week rural rotation in Shepparton in the final year of the course. The manual and communication skills needed for clinical dentistry are developed gradually as students progress through the course.</p> <p>In addition to clinical work, dental practice subjects also include theoretical work. In particular students:</p> <ul style="list-style-type: none"> # examine the role, responsibilities and activities of the dentist in a community; # gain a basic understanding of human behaviour and development (somatic, physiological and psychological); # develop a thorough knowledge of oral anatomy, the causes of oral disease, oral disease prevention and treatment, and the ways oral health can be promoted and achieved; # explore thoroughly the concepts of total patient care; and # achieve a sound understanding of the principles of medicine and surgery and their applications in dental practice.
Objectives:	<p>By completion of the course, students should be able to:</p> <ol style="list-style-type: none"> 1. Relate the scientific university education to the technical and vocational aspects of dental practice; 2. Acquire essential factual knowledge; 3. Identify the oral health needs of a community in order of priority and find methods of meeting those needs;

4. Induce oral health changes in individual patients and their families, and behavioural changes in the community generally;
5. Practise integrated general dentistry and provide oral health care to all sectors of the community;
6. Develop skills in problem solving, decision making, program design and implementation, evaluation and advocacy;
7. Design and conduct scientific investigations into clinical, basic science, and community health problems;
8. Communicate effectively with patients and their relatives, professional colleagues and members of other health professions;
9. Exhibit professional responsibility in relation to both individuals and the community;
10. Demonstrate:
 - a) professional skills and attitudes and be a personal exemplar for oral health;
 - b) capacity and motivation for continuing independent learning;
11. Develop along a number of routes, including general dental practice, specialist dental practice, academic teaching and research, armed services, community health, school dental health, hospital and institutional dentistry.

Students should also be able to demonstrate to a satisfactory level:

1. An understanding of:

- a) principles relating to the health, structure and function of the human body;
- b) disease processes and mechanisms in structural and functional terms together with their aetiology, clinical manifestations, prevention and treatment;
- c) human behaviour and social functioning relevant to health and disease; and
- d) the oral health needs of a community and the ability to identify those needs in order of priority and the methods of meeting those needs.

2. The ability to:

- a) relate the scientific basis of dentistry to the technical and vocational aspects of dental practice;
- b) induce oral health changes in individual patients and their families,
- c) encourage behavioural changes in the community generally;
- d) practise integrated general dentistry;
- e) provide oral health care to all sectors of the community;
- f) design and conduct scientific investigations into clinical, basic science and community health problems;
- g) communicate effectively with patients and their relatives, professional colleagues and members of other health professions; and
- h) exhibit professional responsibility in relation to both individuals and the community.

3. Skills in problem solving, decision making, program design and implementation, evaluation and advocacy;

4. Appropriate professional skills and attitudes of an oral health care provider.

Course Structure & Available Subjects:

Over the five year program, students will undertake the following subjects:

Year 1

- 511-121 Introduction to Biomedical Science (not offered in 2010)
511-124 Oral Health Sciences 1 (not offered in 2010)

511-126 Dental Practice 1 (not offered in 2010)

Year 2

511-224 Oral Health Sciences 2a

511-225 Oral Health Sciences 2b

511-226 Dental Practice 2

Year 3

511-323 Oral Health Sciences 3

511-324 Scientific Principles of Surgical Practice

511-326 Dental Practice 3

Year 4

511-423 Advanced Dental Study 1

511-424 Child and Adolescent Oral Health

511-425 Oral Health Practice

511-426 Oral Medicine & Surgery

511-427 Oral Rehabilitation

Year 5

511-522 Dental Practice 5

Subject Options:

First year

Subject	Study Period Commencement:	Credit Points:
511-121 Introduction to Biomedical Science	Not offered 2010	
511-124 Oral Health Sciences 1	Not offered 2010	
511-126 Dental Practice 1	Not offered 2010	

Second year

Subject	Study Period Commencement:	Credit Points:
DENT20001 Oral Health Sciences 2a	Semester 1	37.50
DENT20002 Oral Health Sciences 2b	Semester 2	12.50
DENT20003 Dental Practice 2	Year Long	50

Third year

Subject	Study Period Commencement:	Credit Points:
DENT30001 Oral Health Sciences 3	Semester 1	25
DENT30002 Scientific Principles of Surgical Prac.	Semester 2	12.50
DENT30003 Dental Practice 3	Year Long	62.50

Fourth year

Subject	Study Period Commencement:	Credit Points:
DENT40004 Advanced Dental Study 1	Semester 2	6.25

	DENT40005 Child and Adolescent Oral Health	Year Long	18.75
	DENT40006 Oral Health Practice	Year Long	12.50
	DENT40007 Oral Medicine & Surgery	Year Long	25
	DENT40008 Oral Rehabilitation	Year Long	37.50
Fifth year			
	Subject	Study Period Commencement:	Credit Points:
	DENT50001 Dental Practice 5	Year Long	100
Entry Requirements:	The last intake into this program was Semester 1, 2009. There will be no intake in 2010.		
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/		
Further Study:	Information about the Bachelor of Science Honours is available at http://www.dent.unimelb.edu.au/dsweb/postgrad_programs/honours.html Information about Postgraduate programs is available at http://www.dent.unimelb.edu.au/dsweb/postgrad_programs/index.html		
Graduate Attributes:	A list of attributes of the Melbourne graduate can be found at: http://www.unimelb.edu.au/about/attributes.html		
Generic Skills:	<p>On completion of this course, students should develop the following skills:</p> <ul style="list-style-type: none"> · Problem solving and decision making skills; · Communication and interpersonal skills; · Experience in program design and implementation; · Evaluation and advocacy; · Planning and time management skills; · Capacity and motivation for continuing independent learning; · Appreciation of, and sensitivity to, cultural diversity; · Leadership skills; and · Respect for intellectual integrity and scientific truth. 		