785BB Bachelor of Optometry

Year and Campus:	2011 - Parkville
CRICOS Code:	054838G
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	500 credit points taken over 60 months full time.
Coordinator:	Eastern Precinct Student Centre
Contact:	**Eastern Precinct Student Centre** The Eastern Precinct (building 138) (between Doug McDonell building and Eastern Resource Centre) *Enquiries* Phone: 13 MELB (13 6352) Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)**
Course Overview:	There is no first year intake into this course after 2009. For information about commencing studies in Optometry at the University of Melbourne from 2011 please visit the **Future Students (http://www.futurestudents.unimelb.edu.au/)** website. Optometry is a professional discipline based on the optical and visual sciences. The practice of optometry involves the diagnosis and treatment of functional disorders and diseases of the eye and vision: the optometrist's job is to solve patients' visual problems. The practice of optometry is regulated by Acts specific to each state of Australia. Under these Acts the practice of optometry can be carried out only by those whose names appear on the register of optometrists. Graduates holding the Bachelor of Optometry degree of the University of Melbourne are qualified to be registered for the practice of optometry in each state and territory of Australia and in New Zealand.
Objectives:	This course's objectives are for graduates to: # have a sound foundation in the physical, chemical, mathematical and biological sciences, and in particular have a good knowledge and understanding of human biology; # understand the passage of light through lenses and optical systems (including the eye) and be able to predict and measure the nature and quality of optical images; # have a thorough knowledge and understanding of the performance and function of the human visual system; # understand the dysfunctions and diseases of the eye and visual system and know their genesis, natural course, treatment and prognosis; # have acquired skill in the techniques necessary for the examination of the eye and the assessment of visual function; # have developed skills in problem identification, in deciding on effective strategies to gather information for the resolution of these problems, in weighing evidence prudently and in making decisions and are able to apply these skills to scientific problems in the visual and clinical sciences as well as to particular problems presented by patients; # have developed the interpersonal and communication skills necessary in relationships with patients and professional colleagues and for the communication of the results of scientific enquiries; # are professionally competent in the practice of optometry and are able to gain registration (including therapeutic endorsement) by the appropriate professional body; # have the knowledge, skill and attitude to enable adaptation to scientific, technological and social change, have a sense of intellectual curiosity and a desire for lifelong learning and a capacity to be creative and innovative; and # have a strongly developed sense of professional and ethical responsibility for patients, colleagues and the community generally and are aware of the moral and legal responsibilities of professional practice.
Course Structure & Available Subjects:	The Bachelor of Optometry is a five-year course in which the first year covers the fundamental sciences (the pre-optometry year) and the remaining four years comprise the Bachelor of Optometry.

The structure of the Bachelor of Optometry may vary depending upon when a student commenced. Students who commenced the course in 2007 or earlier should refer to the 2007 Undergraduate Studies Handbook.

Subject Options:

Pre-optometry year (1st year)

There is no first year intake into this course after 2009.

The first year of the five year course is the pre-optometry year and covers the fundamental sciences

Compulsory subjects:

NB. An alternative sequence in chemistry may be available for students commencing with 610-171 Fundamentals of Chemistry.

Subject	Study Period Commencement:	Credit Points:
BIOL10004 Biology of Cells and Organisms	Semester 1	12.50
BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50
CHEM10003 Chemistry 1	Semester 1, Semester 2	12.50
CHEM10004 Chemistry 2	January, Semester 2	12.50
OPTO10001 Vision: How The Eye Sees The World	Semester 1	12.50
OPTO10002 Optics: From Rainbows to Digital Imaging	Semester 2	12.50

Plus one of:

Subject	Study Period Commencement:	Credit Points:
PHYC10001 Physics 1: Advanced	Semester 1	12.50
PHYC10003 Physics 1	Semester 1	12.50
PHYC10005 Physics 1: Fundamentals	Semester 1	12.50

Plus one of:

Subject	Study Period Commencement:	Credit Points:
PHYC10002 Physics 2: Advanced	Semester 2	12.50
PHYC10004 Physics 2: Physical Science & Technology	Semester 2	12.50
PHYC10006 Physics 2: Life Sciences & Environment	Semester 2	12.50

Bachelor of Optometry (2nd year)

Second year of the Bachelor of Optometry course.

Completion of 100 points of study.

All compulsory subjects.

Subject	Study Period Commencement:	Credit Points:
ANAT20005 Anatomy & Histology of the Eye	Summer Term, Semester 1	12.50
PHYS20002 Physiology (Optometry)	Not offered 2011	12.50
BCMB20001 Biochemistry and the Eye	January	12.50
OPTO20002 Human Visual Functions	Semester 1	12.50

PATH20002 Exploring Human Disease - Optometry	Not offered 2011	12.50
MAST20017 Applied Statistics for Optometrists	Semester 2	12.50
OPTO20001 Optical Design and Ophthalmic Metrology	Semester 2	12.50
OPTO20003 Visual Processing and Control	Semester 2	12.50

N.B. ANAT20005 Anatomy & Histology of the Eye, OPTO20002 Human Visual Functions, MAST20017 Applied Statistics for Optometrists, OPTO20001 Optical Design and Ophthalmic Metrology and OPTO20003 Visual Processing and Control will only be offered in 2011 by invitation of the Head of Department.

Bachelor of Optometry (3rd year)

Third year of the Bachelor of Optometry course.

Completion of 100 points of study.

All compulsory subjects.

Subject	Study Period Commencement:	Credit Points:
PHRM30006 Pharmacology (Optometry)	Semester 1	12.50
NEUR30001 Neural Basis of Vision	Semester 2	12.50
PATH30005 Ocular Histopathology	Semester 1	12.50
MIIM30004 Microbiology and Immunology (Optometry)	Semester 2	12.50
OPTO30003 Practical Problems in Vision	Semester 1	12.50
OPTO30006 Ophthalmic Dispensing Practice	Semester 2	12.50
OPTO30004 Functional Disorders of Vision	Year Long	25

Bachelor of Optometry (4th year)

Fourth year of the Bachelor of Optometry course.

Completion of 100 points of study.

All compulsory subjects.

Subject	Study Period Commencement:	Credit Points:
OPTO40005 Contact Lenses	Semester 1	12.50
OPTO40006 Assessment of Ocular Disease	Semester 1	12.50
OPTO40001 Occupational Optometry, Visual Standards	Semester 2	12.50
OPTO40007 Therapeutic Management of Ocular Disease	Semester 2	12.50
OPTO40002 Clinical Optometry Practice	Year Long	25
OPTO40003 Diagnosis of Ocular Disease I	Semester 1	12.50
OPTO40004 Diagnosis of Ocular Disease II	Semester 2	12.50

Bachelor of Optometry (5th year)

Fifth year of the Bachelor of Optometry course.

Completion of 100 points of study.

All compulsory subjects.

NB. The fifth year of the Bachelor of Optometry is 32 weeks.

Subject	Study Period Commencement:	Credit Points:

	OPTO50001 General Optometry Practice	Year Long	25
	OPTO50002 Specialist Optometry Practice	Year Long	25
	OPTO50004 Ocular Disease Management	Year Long	25
	OPTO50003 Project Studies in Vision Sciences	Year Long	25

Entry Requirements:	For the most up-to-date admission requirements visit: **http://www.futurestudents.unimelb.edu.au (http://www.futurestudents.unimelb.edu.au)**
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Graduate Attributes:	Optometry is a professional discipline based on the optical and visual sciences. Optometry graduates from the University of Melbourne are qualified health professionals able to practice within Australia and in a number of other countries.The optometry graduate has the knowledge, understanding and skills necessary to effectively practice in their profession. Accordingly, they: have a thorough knowledge and understanding of the performance and function of the human visual system; understand the dysfunctions and diseases of the eye and visual system and know their genesis, natural course, treatment and prognosis; and have acquired skill in the techniques necessary for the examination of the eye and the assessment of visual function. In addition, they have developed skills in problem identification, in deciding on effective strategies to gather information for the resolution of these problems, in weighing evidence prudently and in making decisions and are able to apply these skills to scientific problems in the visual and clinical sciences as well as to particular problems presented by patients.Optometry graduates also have the interpersonal and communication skills necessary in relationships with patients and professional colleagues and for the communication of the results of scientific enquiries. They are professionally competent in the practice of optometry and are able to gain registration by the appropriate professional body. They have a strongly developed sense of professional and ethical responsibility for patients, colleagues and the community generally and are aware of the moral and legal responsibilities of professional practice.In the longer term these graduates have the knowledge, skill and attitude to enable adaptation to scientific, technological and social change. They have a sense of intellectual curiosity and a desire for lifelong learning and a capacity to be creative and innovative. These attributes enable them to continue to develop their own professional abilities as well as contributing to the development of the profession as a whole and the understanding of the vision sciences.