

Biochemistry and Molecular Biology

Year and Campus:	2010
Coordinator:	Associate Professor Paul Gooley
Contact:	prg@unimelb.edu.au
Overview:	<p>Major study in Biochemistry and Molecular Biology.</p> <p>Separate structures of this major exist for students depending upon whether they had previously completed third year level Biochemistry and Molecular Biology subjects prior to 2009.</p> <p>In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.</p>
Objectives:	.
Structure & Available Subjects:	<p>In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.</p>
Subject Options:	<p>Biochemistry and Molecular Biology major</p> <p>For students who have completed one or more third year level Biochemistry and Molecular Biology subjects prior to 2009.</p> <p>Completion of 50 points of study at third year level.</p> <p>The requirement of one compulsory third year level practical subject for a major in Biochemistry and Molecular Biology still stands.</p> <p>It can either be one of the pre-2009 subjects (521-321 Gene Technology and Protein Expression or 521-322 Protein Biochemistry and Proteomics) OR the 2009 subject <i>Advanced Techniques in Molecular Science</i>.</p> <p>The remainder of the 50 points can be made up of any combination of third year level Biochemistry and Molecular Biology subjects (pre-2009 and current subjects).</p> <p>NOTE:</p> <p>If a student finds that these pathways to a major in Biochemistry and Molecular Biology are not possible in 2009 due to clashes with other subjects, they should contact Associate Professor Ian van Driel (i.vandriel@unimelb.edu.au) or Associate Professor Paul Gooley (prg@unimelb.edu.au), who will work with individual students to try and ensure successful completion of the major.</p> <p>It is highly recommended that students majoring in Biochemistry and Molecular Biology complete both <i>Functional Genomics and Bioinformatics</i> and <i>Protein Structure and Function</i>, or the equivalent pre-2009 subjects, as this will provide the best grounding in the discipline.</p> <p>Biochemistry and Molecular Biology major (commencing 2009)</p> <p>For students who have not completed any third year level Biochemistry and Molecular Biology subjects prior to 2009.</p> <p>Completion of 50 points of study at third year level.</p>

Core subject:

Subject	Study Period Commencement:	Credit Points:
BCMB30010 Advanced Techniques in Molecular Science	Semester 1, Semester 2	12.50

Plus at least one of:

Subject	Study Period Commencement:	Credit Points:
BCMB30001 Protein Structure and Function	Semester 2	12.50
BCMB30002 Functional Genomics and Bioinformatics	Semester 1	12.50

The remainder of the 50 points at third year subject level to be made up of choices from:

Subject	Study Period Commencement:	Credit Points:
BCMB30001 Protein Structure and Function	Semester 2	12.50
BCMB30002 Functional Genomics and Bioinformatics	Semester 1	12.50
BCMB30003 Molecular Aspects of Cell Biology	March	12.50
BCMB30004 Cell Signalling and Neurochemistry	Semester 2	12.50

Related Course(s):

Bachelor of Arts and Bachelor of Science
 Bachelor of Arts and Sciences
 Bachelor of Commerce and Bachelor of Science
 Bachelor of Science
 Bachelor of Science and Bachelor of Information Systems