

## 565IN Bachelor of Medical Science

<b>Year and Campus:</b>	2012 - Parkville								
<b>CRICOS Code:</b>	003597G								
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>								
<b>Level:</b>	Undergraduate								
<b>Duration &amp; Credit Points:</b>	100 credit points taken over 12 months full time.								
<b>Coordinator:</b>	Associate Professor Steve Farish								
<b>Contact:</b>	<p>Medical Education Unit  Faculty of Medicine, Dentistry and Health Sciences  The University of Melbourne VIC 3010</p> <p><b><a href="mailto:meu-enquiries@unimelb.edu.au">meu-enquiries@unimelb.edu.au</a> (mailto:meu-enquiries@unimelb.edu.au)</b></p>								
<b>Course Overview:</b>	<p>The primary aim of the Bachelor of Medical Science is to provide an experiential introduction to the process of biomedical research. The AMS program allows students to:</p> <ul style="list-style-type: none"> <li>- practice the concepts of project design, ethical consideration and application of research methods;</li> <li>- develop skills in the assembling and evaluation of scientific data to provide a scientific rationale for updating medical practice and treatment and/or understanding the mechanisms of disease;</li> <li>- comprehend the selection of appropriate statistical techniques to appraise scientific data;</li> <li>- assess the benefits and limitations of research an area/discipline of clinical interest;</li> <li>- demonstrate an understanding and appreciation of the diversity and breadth of biomedical research;</li> <li>- demonstrate autonomy and independence in defining research methods, locating relevant resources and critically evaluating evidence and;</li> <li>- actively participate in improving knowledge in a specific areas of medicine by critical review of scientific and medical evidence.</li> </ul>								
<b>Objectives:</b>	<p>At the completion of the Bachelor of Medical Science, students should be able to:</p> <ul style="list-style-type: none"> <li># demonstrate the ability to communicate the results of original research;</li> <li># discuss how the results of medical research can be translated to improve the clinical care of patient and/or the mechanisms of disease;</li> <li># select and apply appropriate statistical tests such as descriptive statistics, power calculations, pvalues and confidence interval, and uni/multivariate logistic regression analysis, to analyse research data;</li> <li># compare and assess scientific evidence through critically evaluating relevant medical literature;</li> <li># appraise and describe the ethical requirements of a research project;</li> <li># demonstrate technical and problem solving skills in the use of biomedical experimental techniques and;</li> <li># understand the requirements for presentation of research data through preparation of a an extended literature review, and small research report, in an area of clinical interest.</li> </ul>								
<b>Course Structure &amp; Available Subjects:</b>	To satisfy the requirements of the Bachelor of Medical Science, students must successfully complete 2 core subjects and a total of 100 points.								
<b>Subject Options:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MEDS30004 Advanced Medical Science 1</td> <td>July</td> <td>50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	MEDS30004 Advanced Medical Science 1	July	50
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MEDS30004 Advanced Medical Science 1	July	50							

	MEDS40006 Advanced Medical Science 2	January	50
<b>Entry Requirements:</b>	<b>Important - this stream is only available to students from Universitas Indonesia whom have successfully completed Semesters 1 - 5 of the Medical Degree.</b>		
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt; <p>&lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p> </p>		
<b>Further Study:</b>	N/A		
<b>Professional Accreditation:</b>	N/A		
<b>Generic Skills:</b>	<p>At completion of the AMS program, students should have also acquired the following generic skills:</p> <ul style="list-style-type: none"> <li># the ability to appraise the principles of medical research and how they could be applied to a wider variety of research contexts;</li> <li># enhanced oral and written communication skills;</li> <li># the ability to work collaboratively with research colleagues;</li> <li># describe how the values of objectivity, scepticism and respect for evidence influence the design and implementation of biomedical research;</li> <li># assess how research outcomes can be translated into, for example, updating medical practice and treatment and/or understanding the mechanisms of disease and;</li> <li># a desire for further study/learning in biomedical research.</li> </ul>		