

Approved Masters level subjects from other departments

Year and Campus:	2016																																																
Coordinator:	Associate Professor Jan de Gier																																																
Contact:	Email: jd gier@unimelb.edu.au (mailto:jd gier@unimelb.edu.au)																																																
Overview:	See Master of Science (Mathematics and Statistics) Overview																																																
Learning Outcomes:	See Master of Science (Mathematics and Statistics) Objectives																																																
Structure & Available Subjects:	See Master of Science (Mathematics and Statistics) Structure and Available Subjects																																																
Subject Options:	<p>Further Discipline subjects</p> <p>Students may select up to two of the below listed subjects to make up the required 50 points of Further Discipline subjects in their MC-SCIMAT Master of Science (Mathematics and Statistics).</p> <p>Physics</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHYC90007 Quantum Mechanics</td> <td>Semester 1</td> <td>12.5</td> </tr> <tr> <td>PHYC90008 Quantum Field Theory</td> <td>Semester 1</td> <td>12.5</td> </tr> <tr> <td>PHYC90012 General Relativity</td> <td>Semester 1</td> <td>12.5</td> </tr> <tr> <td>PHYC90010 Statistical Mechanics</td> <td>Semester 1</td> <td>12.5</td> </tr> <tr> <td>PHYC90009 Physical Cosmology</td> <td>Semester 2</td> <td>12.5</td> </tr> <tr> <td>PHYC90011 Particle Physics</td> <td>Semester 2</td> <td>12.5</td> </tr> </tbody> </table> <p>Computer Science</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>COMP90038 Algorithms and Complexity</td> <td>Semester 1, Semester 2</td> <td>12.5</td> </tr> <tr> <td>COMP90048 Declarative Programming</td> <td>Semester 2</td> <td>12.5</td> </tr> <tr> <td>COMP90043 Cryptography and Security</td> <td>Semester 2</td> <td>12.5</td> </tr> <tr> <td>COMP90051 Statistical Machine Learning</td> <td>Semester 2</td> <td>12.5</td> </tr> <tr> <td>COMP90046 Constraint Programming</td> <td>Not offered 2016</td> <td>12.5</td> </tr> </tbody> </table> <p>Bioinformatics</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BINF90002 Elements of Bioinformatics</td> <td>Semester 1</td> <td>12.5</td> </tr> <tr> <td>BINF90001 Statistics for Bioinformatics</td> <td>Semester 1</td> <td>12.5</td> </tr> </tbody> </table> <p>Further discipline subjects may also include masters level subjects on topics related to the student' research project, provided they are approved by the student's supervisor and the program coordinator. The total number of further discipline subjects offered by other schools in the student's coursework cannot exceed two.</p>	Subject	Study Period Commencement:	Credit Points:	PHYC90007 Quantum Mechanics	Semester 1	12.5	PHYC90008 Quantum Field Theory	Semester 1	12.5	PHYC90012 General Relativity	Semester 1	12.5	PHYC90010 Statistical Mechanics	Semester 1	12.5	PHYC90009 Physical Cosmology	Semester 2	12.5	PHYC90011 Particle Physics	Semester 2	12.5	Subject	Study Period Commencement:	Credit Points:	COMP90038 Algorithms and Complexity	Semester 1, Semester 2	12.5	COMP90048 Declarative Programming	Semester 2	12.5	COMP90043 Cryptography and Security	Semester 2	12.5	COMP90051 Statistical Machine Learning	Semester 2	12.5	COMP90046 Constraint Programming	Not offered 2016	12.5	Subject	Study Period Commencement:	Credit Points:	BINF90002 Elements of Bioinformatics	Semester 1	12.5	BINF90001 Statistics for Bioinformatics	Semester 1	12.5
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**Links to further
information:**

<https://handbook.unimelb.edu.au/view/current/MC-SCIMAT>