

## Mathematics and Statistics (Mathematical Physics specialisation)

<b>Year and Campus:</b>	2009																																			
<b>Overview:</b>	Major study in <b>Mathematics and Statistics</b> , specialising in Mathematical Physics.																																			
<b>Objectives:</b>	.																																			
<b>Subject Options:</b>	<p><b>Mathematics and Statistics major (Mathematical Physics)</b>            Completion of 50 points of study at third year level.            Core subject:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>620-331 Applied Partial Differential Equations</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>620-332 Integral Transforms &amp; Asymptotics</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>620-342 Industrial &amp; Applied Mathematics</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>620-353 Discrete Mathematics</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>640-321 Quantum Mechanics (Adv)</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>640-341 Quantum Mechanics</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>640-384 Statistical Physics</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	620-331 Applied Partial Differential Equations	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	620-332 Integral Transforms & Asymptotics	Semester 2	12.50	620-342 Industrial & Applied Mathematics	Semester 2	12.50	620-353 Discrete Mathematics	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	640-321 Quantum Mechanics (Adv)	Semester 1	12.50	640-341 Quantum Mechanics	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	640-384 Statistical Physics	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:																																		
620-331 Applied Partial Differential Equations	Semester 1	12.50																																		
Subject	Study Period Commencement:	Credit Points:																																		
620-332 Integral Transforms & Asymptotics	Semester 2	12.50																																		
620-342 Industrial & Applied Mathematics	Semester 2	12.50																																		
620-353 Discrete Mathematics	Semester 2	12.50																																		
Subject	Study Period Commencement:	Credit Points:																																		
640-321 Quantum Mechanics (Adv)	Semester 1	12.50																																		
640-341 Quantum Mechanics	Semester 1	12.50																																		
Subject	Study Period Commencement:	Credit Points:																																		
640-384 Statistical Physics	Semester 1	12.50																																		
<b>Related Course(s):</b>	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																																			
<b>Related Majors/Minors/Specialisations:</b>	Physics (Mathematical Physics specialisation)																																			