

<b>Concentration in Mathematics-Science (90 credits)</b>	<b>Concentration in Mathematics-Science (84 credits) Program abolished</b>
<b>Requirements 2003-2005</b>	<b>New course codes 2006</b>
Compulsory first-year credits <span style="float: right;">32</span> Suggested course stream for full-time students	Compulsory first-year credits <span style="float: right;">30</span> Suggested course stream for full-time students
<b>Fall:</b>	<b>Fall:</b>
<del>ITH220</del> Introduction to Computer Science I <span style="float: right;">4</span>	<b>ITI1120</b> Introduction to Computer Science I <span style="float: right;">3</span>
MAT1320 Calculus I <span style="float: right;">3</span>	MAT1320 Calculus I <span style="float: right;">3</span>
MAT1341 Introduction to Linear Algebra <span style="float: right;">3</span>	MAT1341 Introduction to Linear Algebra <span style="float: right;">3</span>
<del>PHY1101</del> Fundamentals of Physics I <span style="float: right;">3</span>	<b>PHY1121</b> Fundamentals of Physics I <span style="float: right;">3</span>
or	or
<del>PHY1301</del> Principles of Physics I <span style="float: right;">3</span>	<b>PHY1321</b> Principles of Physics I <span style="float: right;">3</span>
Three credits from the Faculties of Science or Engineering <span style="float: right;">3</span>	Three credits from the Faculties of Science or Engineering <span style="float: right;">3</span>
<b>Winter:</b>	<b>Winter:</b>
<del>ITH221</del> Introduction to Computer Science II <span style="float: right;">4</span>	<b>ITI1121</b> Introduction to Computer Science II <span style="float: right;">3</span>
ENG1100 Workshop in Essay Writing <span style="float: right;">3</span>	ENG1100 Workshop in Essay Writing <span style="float: right;">3</span>
MAT1322 Calculus II <span style="float: right;">3</span>	MAT1322 Calculus II <span style="float: right;">3</span>
<del>PHY1102</del> Fundamentals of Physics II <span style="float: right;">3</span>	<b>PHY1122</b> Fundamentals of Physics II <span style="float: right;">3</span>
or	or
<del>PHY1302</del> Principles of Physics II <span style="float: right;">3</span>	<b>PHY1322</b> Principles of Physics II <span style="float: right;">3</span>
Three credits from the Faculties of Science or Engineering <span style="float: right;">3</span>	Three credits from the Faculties of Science or Engineering <span style="float: right;">3</span>
Compulsory second-year credits <span style="float: right;">28</span>	Compulsory second-year credits <span style="float: right;">24</span>
<b>Fall:</b>	<b>Fall:</b>
<del>CSI2114</del> Data Structures <span style="float: right;">3</span>	<b>CSI2110</b> Data Structures and Algorithms <span style="float: right;">3</span>
<del>MAT2122</del> Calculus II <span style="float: right;">3</span>	
MAT2141 Honours Linear Algebra I <span style="float: right;">3</span>	MAT2141 <b>Linear Algebra I</b> <span style="float: right;">3</span>
or	
<del>MAT2341</del> Linear Algebra <span style="float: right;">3</span>	
MAT2371 Introduction to Probability <span style="float: right;">3</span>	MAT2371 Introduction to Probability <span style="float: right;">3</span>
MAT2324 Ordinary Differential Equation and Laplace Transformation <span style="float: right;">3</span>	MAT2324 Ordinary Differential Equation and Laplace Transformation <span style="float: right;">3</span>
or	or
<del>MAT2331</del> Ordinary Differential Equations and Numerical Methods <span style="float: right;">4</span>	<b>MAT2384</b> Ordinary Differential Equations and Numerical Methods <span style="float: right;">3</span>
<b>Winter:</b>	<b>Winter:</b>
<del>CSI2165</del> Prolog Concepts Laboratory <span style="float: right;">2</span>	
or	
<del>CSI2172</del> C++ Concepts Laboratory <span style="float: right;">2</span>	
or	
<del>CSI2173</del> Java Concepts Laboratory <span style="float: right;">2</span>	
MAT2375 Introduction to Statistics <span style="float: right;">3</span>	MAT2375 Introduction to Statistics <span style="float: right;">3</span>
MAT2143 Group Theory and Applications <span style="float: right;">3</span>	MAT2143 <b>Algebraic Structures</b> <span style="float: right;">3</span>
or	
<del>MAT2343</del> Elements of Discrete Mathematics <span style="float: right;">3</span>	
Two credits from the Faculties of Science or Engineering <span style="float: right;">2</span>	<b>Three</b> credits from the Faculties of Science or Engineering <span style="float: right;">3</span>
Three credits from the Faculties of Arts, Education, Law, Social Science or the School of Management. <span style="float: right;">3</span>	Three credits from the Faculties of Arts, Education, Law, Social Science or the School of Management. <span style="float: right;">3</span>

Third-year credits	30	Third-year credits	30
Fifteen credits from MAT2125, MAT2143, or MAT courses At the 3000 level or above.	15	Fifteen credits from MAT2143, or MAT courses At the 3000 level or above.	15
Nine credits at the 2000-level or above all in the same field of science (other than mathematics) or engineering.	9	Nine credits at the 2000-level or above all in the same field of science (other than mathematics) or engineering.	9
Six credits from the Faculties of Arts, Education, Law, Social Science or the School of Management.	6	Six credits from the Faculties of Arts, Education, Law, Social Science or the School of Management.	6