Honours in Mathematics-Science (120 credits)		Honours in Mathematics-Science (111 credits) Program abolished	
Requirements 2003-2005		**New course codes 2006**	
Compulsory first-year credits	~~32~~	Compulsory first-year credits	**30**
Suggested course stream for full-time students		Suggested course stream for full-time students	
Fall:		**Fall:**	
~~ITI1220~~ Introduction to Computer Science I	~~4~~	**ITI1120** Introduction to Computer Science I	**3**
MAT1320 Calculus I	3	MAT1320 Calculus I	3
MAT1341 Introduction to Linear Algebra	3	MAT1341 Introduction to Linear Algebra	3
~~PHY1101~~ Fundamentals of Physics I	3	**PHY1121** Fundamentals of Physics I	3
or		or	
~~PHY1301~~ Principles of Physics I	3	**PHY1321** Principles of Physics I	3
Three credits from the Faculties of Science or Engineering	3	Three credits from the Faculties of Science or Engineering	3
Winter:		**Winter:**	
~~ITI1221~~ Introduction to Computer Science II	~~4~~	**ITI1121** Introduction to Computer Science II	**3**
ENG1100 Workshop in Essay Writing	3	ENG1100 Workshop in Essay Writing	3
MAT1322 Calculus II	3	MAT1322 Calculus II	3
~~PHY1102~~ Fundamentals of Physics II	3	**PHY1122** Fundamentals of Physics II	3
or		or	
~~PHY1302~~ Principles of Physics II	3	**PHY1322** Principles of Physics II	3
Three credits from the Faculties of Science or Engineering	3	Three credits from the Faculties of Science or Engineering	3
Compulsory second-year credits	~~26~~	Compulsory second-year credits	**18**
Fall:		**Fall:**	
~~CSI2114 Data Structures~~	~~3~~	**CSI2110 Data Structures and Algorithms**	**3**
~~MAT2122 Calculus II~~	~~3~~		
MAT2141 ~~Honours Linear Algebra I~~	3	MAT2141 **Linear Algebra I**	**3**
MAT2371 Introduction to Probability	3	MAT2371 Introduction to Probability	3
MAT2324 Ordinary Differential Equation and Laplace Transformation	3	MAT2324 Ordinary Differential Equation and Laplace Transformation	3
or		or	
~~MAT2331~~ Ordinary Differential Equations and Numerical Methods	4	**MAT2384** Ordinary Differential Equations and Numerical Methods	**3**
Winter:		**Winter:**	
~~CSI2165 Prolog Concepts Laboratory~~	~~2~~		
~~or~~			
~~CSI2172 C++ Concepts Laboratory~~	~~2~~		
~~or~~			
~~CSI2173 Java Concepts Laboratory~~	~~2~~		
MAT2375 Introduction to Statistics	3	MAT2375 Introduction to Statistics	3
~~MAT2125 Mathematical Analysis I~~	~~3~~		
MAT2143 ~~Group Theory and Applications~~	3	MAT2143 **Algebraic Structures**	**3**
Third and fourth-year credits	53	Third and fourth-year credits	**54**
Three credits from:		Three credits from:	
MAT3121 Complex Analysis I	3	MAT3121 Complex Analysis I	3
~~MAT3125 Mathematical Analysis II~~	~~3~~	**MAT3120 Analysis III**	**3**

MAT3130 Introduction to Dynamical Systems 3 MAT3141 Honours Linear Algebra II 3 MAT3143 Ring Theory ~~and Applications~~ 3	MAT3130 Introduction to Dynamical Systems 3 MAT3141 **Linear Algebra II** **3** MAT3143 **Ring Theory** **3**
Nine credits at the 2000-level and nine credits at the 3000 level, all in the same field of science or engineering other than mathematics. 18	Nine credits at the 2000-level and nine credits at the 3000 level, all in the same field of science or engineering other than mathematics. 18
Twelve credits of MAT from ~~MAT2343~~, MAT2355, MAT3153, MAT3175, MAT3341, ~~MAT3344~~, MAT3361, MAT3375, MAT3377, MAT3380. 12	Twelve credits of MAT from MAT2355, MAT3153, MAT3175, MAT3341, MAT3361, MAT3375, MAT3377, MAT3380. 12
Nine credits MAT at the 4000 level or from MAT3121, ~~MAT3125~~, MAT3130, MAT3141, MAT3143 not used in the previous requirements. 9	Nine credits MAT at the 4000 level or from MAT3121, **MAT3120,**MAT3130, MAT3141, MAT3143 not used in the previous requirements. 9
Three credits at the 1000-level of Science or Engineering electives. 3	Three credits at the 1000-level of Science or Engineering electives. 3
~~Eight~~ credits at the 2000 or above of Science or Engineering ~~8~~ Electives.	**Nine** credits at the 2000 or above of Science or Engineering **9** Electives.
Nine credits from the Faculties of Arts, Education, Law, Social Science or the School of Management. 9	Nine credits from the Faculties of Arts, Education, Law, Social Science or the School of Management. 9