

Concentration in Mathematics (90 credits)	Concentration in Mathematics (84 credits) Program abolished
Requirements 2003-2005	New course codes 2006
Compulsory first-year credits 32 Suggested course stream for full-time students	Compulsory first-year credits 30 Suggested course stream for full-time students
Fall:	Fall:
HH1220 Introduction to Computer Science I 3 MAT1320 Calculus I 3 MAT1341 Introduction to Linear Algebra 3 PHY1101 Fundamentals of Physics I 3 or PHY1301 Principles of Physics I 3 Three credits from the Faculties of Science or Engineering 3	ITI1120 Introduction to Computer Science I 3 MAT1320 Calculus I 3 MAT1341 Introduction to Linear Algebra 3 PHY1121 Fundamentals of Physics I 3 or PHY1321 Principles of Physics I 3 Three credits from the Faculties of Science or Engineering 3
Winter:	Winter:
HH1221 Introduction to Computer Science II 3 ENG1100 Workshop in Essay Writing 3 MAT1322 Calculus II 3 PHY1102 Fundamentals of Physics II 3 or PHY1302 Principles of Physics II 3 Three credits from the Faculties of Science or Engineering 3	ITI1121 Introduction to Computer Science II 3 ENG1100 Workshop in Essay Writing 3 MAT1322 Calculus II 3 PHY1122 Fundamentals of Physics II 3 or PHY1322 Principles of Physics II 3 Three credits from the Faculties of Science or Engineering 3
Compulsory second-year credits 29	Compulsory second-year credits 24
Fall:	Fall:
CSI2114 Data Structures 3 MAT2122 Calculus II 3 MAT2141 Honours Linear Algebra I 3 or MAT2341 Discrete Mathematics 3 MAT2371 Introduction to Probability 3 MAT2324 Ordinary Differential Equation and Laplace Transformation 3 or MAT2334 Ordinary Differential Equations and Numerical Methods 4	CSI2110 Data Structures and Algorithms 3 MAT2141 Linear Algebra I 3 MAT2371 Introduction to Probability 3 MAT2324 Ordinary Differential Equation and Laplace Transformation 3 or 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 MAT2143 Group Theory and Applications 3 or MAT2343 Elements of Discrete Mathematics 3 Two credits from the Faculties of Science or Engineering -2 Three credits from the Faculties of Arts, Education, Law, Social Science or the School of Management. 3	 MAT2375 Introduction to Statistics 3 MAT2143 Algebraic Structures 3 Three credits from the Faculties of Science or Engineering 3 Three credits from the Faculties of Arts, Education, Law, Social Science or the School of Management. 3

Third year credits	30	Third year credits	30
Six credits of MAT at the 2000 or above	6	Six credits of MAT at the 2000 or above	6
Eighteen credits from: MAT2125, MAT2143 or MAT 3000-level or above.	18	Eighteen credits from: MAT 3000-level or above.	18
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