

Joint Honours in Mathematics and Economics (120 credits)	Joint Honours in Mathematics and Economics (111 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:
ITH220 Introduction to Computer Science I -4	ITI1120 Introduction to Computer Science I 3
ECO1104 Introduction to Microeconomics 3	ECO1104 Introduction to Microeconomics 3
ENG1100 Workshop in Essay Writing 3	ENG1100 Workshop in Essay Writing 3
MAT1320 Calculus I 3	MAT1320 Calculus I 3
Three credits from the Faculties of Science or Engineering 3	Three credits from the Faculties of Science or Engineering 3
Winter:	Winter:
ITH224 Introduction to Computer Science II -4	ITI1121 Introduction to Computer Science II 3
ECO1102 Introduction to Macroeconomics 3	ECO1102 Introduction to Macroeconomics 3
MAT1322 Calculus II 3	MAT1322 Calculus II 3
MAT1341 Introduction to Linear Algebra 3	MAT1341 Introduction to Linear Algebra 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 30	Compulsory second-year credits 24
Fall:	Fall:
ECO2142 Macroeconomic Theory I 3	ECO2142 Macroeconomic Theory I 3
ECO2144 Microeconomic Theory I 3	ECO2144 Microeconomic Theory I 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
Winter:	Winter:
ECO2143 Macroeconomic Theory II 3	ECO2143 Macroeconomic Theory II 3
ECO2145 Microeconomic Theory II 3	ECO2145 Microeconomic Theory II 3
MAT2125 Mathematical Analysis I 3	
MAT2375 Introduction to Statistics 3	MAT2375 Introduction to Statistics 3
Three credits from the Faculties of Science or Engineering 3	Three credits from the Faculties of Science or Engineering 3
Compulsory third-year credits 17	Compulsory third-year credits 15
Fall:	Fall:
CSI2114 Data Structures 3	CSI2110 Data Structures and Algorithms 3
ECO3152 Macroeconomic Theory III 3	ECO3152 Macroeconomic Theory III 3
MAT2324 Ordinary Differential Equation and Laplace Transformation 3	MAT2324 Ordinary Differential Equation and Laplace Transformation 3
or	or
MAT2334 Ordinary Differential Equations and Numerical Methods 3	MAT2384 Ordinary Differential Equations and Numerical Methods 3
Winter:	Winter:
ECO3151 Introduction to Econometrics 3	ECO3151 Introduction to Econometrics 3
ECO3153 Microeconomic Theory III 3	ECO3153 Microeconomic Theory III 3

One of:			
CSI2165 Prolog Concepts Laboratory	2		
CSI2172 C++ Concepts Laboratory	2		
Additional requirements	41	Additional requirements	42
Nine credits from:		Nine credits from:	
MAT2143 Group Theory and Applications	3	MAT2143 Algebraic Structures	3
MAT3172 Probability II	3	MAT3172 Probability II	3
MAT3175 Introduction to Mathematical Statistics	3	MAT3175 Introduction to Mathematical Statistics	3
MAT3341 Applied Linear Algebra	3	MAT3341 Applied Linear Algebra	3
MAT3344 Discrete Mathematics	3		
MAT3361 Introduction to Mathematical Logic	3	MAT3361 Introduction to Mathematical Logic	3
MAT3375 Regression Analysis	3	MAT3375 Regression Analysis	3
MAT3376 Analysis of Variance	3	MAT3378 Analysis of experimental designs	3
MAT3377 Sampling and Surveys	3	MAT3377 Sampling and Surveys	3
MAT3380 Introduction to Numerical Methods	3	MAT3380 Introduction to Numerical Methods	3
Twelve MAT credits with at least three credits among the following courses and at least six credits at the 4000-level:	12	Twelve MAT credits with at least three credits among the following courses and at least six credits at the 4000-level:	12
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	MAT3130 Introduction to Dynamical Systems	3
MAT3141 Honours Linear Algebra II	3	MAT3141 Linear Algebra II	3
MAT3143 Ring Theory and Applications	3	MAT3143 Ring Theory	3
Eighteen credits in economics courses at the 3000-level or higher with at least six credits at the 4000-level.	18	Eighteen credits in economics courses at the 3000-level or higher with at least six credits at the 4000-level.	18
Two credits from the Faculties of Science or Engineering	2	Three credits from the Faculties of Science or Engineering	3
The course ECO4856 is strongly recommended.		The course ECO4856 is strongly recommended.	