



NUI Galway  
OÉ Gaillimh

College of Science

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Next page

# BSc FINANCIAL MATHEMATICS & ECONOMICS



## Overview

Year 1	Year 2	Year 3	Year 4
<b>[60 credits]</b>	<b>[60 credits]</b>	<b>[60 credits]</b>	<b>[60 credits]</b>
There are 60 credits of Core modules.	There are 60 credits of Core modules.	There are 60 credits of Core modules.	There are 50 credits of Core modules.  Choose one project module to a value of 10 credits: Economics Project Mathematical Physics Project Mathematics Project
<p>Module Descriptors for Years 1 to 4 are available at: <a href="http://www.nuigalway.ie/science/undergraduate-courses/financial-mathematics-and-economics.html#course_outline">http://www.nuigalway.ie/science/undergraduate-courses/financial-mathematics-and-economics.html#course_outline</a></p>			

## BSc Financial Mathematics and Economics

Year 1	Year 2	Year 3	Year 4
<b>[Core: 60 credits]</b>	<b>[Core: 60 credits]</b>	<b>[Core: 60 credits]</b>	<b>[Core: 50 credits; Options: 10 credits]</b>
<i>Full Year – Semester 1 and Semester 2</i>	<i>Semester 1</i>	<i>Semester 1</i>	<i>Full Year – Semester 1 and Semester 2</i>
MA180 Mathematics (Honours) [15]	MA2286 Differential Forms [5]	MA311 Annuities & Life Assurance [5]	MP420 Applied Mathematics Project [10]*
MA199 Statistics & Probability & Maths Of Finance [15]	MA284 Discrete Mathematics [5]	ST313 Applied Regression Models [5]	EC471 Economics Project [10]*
-----	EC269 Intermediate Microeconomics [5]	MA3343 Groups [5]	MA430 Mathematics Project [10]*
<i>Semester 1</i>	MP231 Mathematical Methods I [5]	MA341 Metric Spaces [5]	-----
CS103 Computer Science [5]	CS2101 Programming for Science and Finance [5]	EC369 Money And Banking [5]	<i>Semester 1</i>
AY104 Introduction to Financial Accounting [5]	ST2003 Random Variables [5]	EC3101 Microeconomics and Public Policy [5]	MA495 Actuarial Mathematics: Life Contingencies II [5]
EC135 Principles of Microeconomics [5]	-----	-----	EC411 Economics Of Financial Markets Seminar II [5]
EC1108 Skills for Economics 1 [5]	<i>Semester 2</i>	<i>Semester 2</i>	MA490 Measure Theory [5]
-----	MA283 Linear Algebra [5]	MA310 Actuarial Mathematics [5]^	MA385 Numerical Analysis I [5]
<i>Semester 2</i>	MA2287 Complex Analysis [5]	AY314 Business Finance II [5]	-----
MP191 Mathematical Methods I [5]	EC268 Intermediate Macroeconomics [5]	EC362 Economics Of Financial Markets [5]	<i>Semester 2</i>
EC136 Principles of Macroeconomics [5]	EC247 Introduction to Financial Economics [5]	MP307 Modelling II [5]	MA310 Actuarial Mathematics [5]^
	MP211 Modelling, Analysis & Simulation [5]	EC3102 Macroeconomics and Public Policy [5]	EC4100 Derivatives and Risk Management [5]
	ST2004 Statistical Inference [5]	MA342 Topology [5]	MA418 Differential Equations With Financial Derivatives [5]
			EC420 International Monetary Economics [5]
			CS4423 Networks [5]
			MP491 Non Linear Systems [5]
		^ This module runs on a two-year cycle. An alternative module is offered next academic year.	* Select one 10-credit module ^ This module runs on a two-year cycle. An alternative module is offered next academic year.

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