

## **Double degree with University of North Carolina at Charlotte (UNCC)**

### Study plans

- **Banking and Finance** at Università Cattolica and **Mathematical Finance** at UNCC
- **Banking and Finance** at Università Cattolica and **Economics** at UNCC
- **Economia dei Mercati e degli Intermediari finanziari** at Università Cattolica and **Mathematical Finance** at UNCC
- **Statistical and Actuarial Sciences** at Università Cattolica and **Mathematical Finance** at UNCC

## Banking and Finance at Università Cattolica and Mathematical Finance at UNCC

First Year at Università Cattolica
Advanced Financial Accounting
Quantitative Methods for Finance
Corporate Finance
Monetary Economics
Principles of Financial Regulation
Derivatives Securities Pricing <i>(this exam is a compulsory prerequisite to be fully admitted at UNCC. It needs to be passed in the winter session with a minimum grade of 24/30)</i>
Applied Statistics for Finance <i>(this exam is a compulsory pre-requisite to be fully admitted at UNCC. It needs to be passed by the first exam date in May/June session with a minimum grade of 24/30)</i>
Foreign Language

Second Year at UNCC	
UNCC	Corresponding Cattolica exam
FINN 6203 Financial Economic Theory	Advanced Microeconomics
FINN 6213 Risk Management and Financial Institutions	Risk Management
FINN 6211 Fixed Incoming Securities and Credit Risk	International Financial Markets
FINN 6219 Financial Econometrics	Applied Econometrics
FINN 6216 Quantitative Risk Management	International Corporate Finance
FINN 6215 Risk Management in Insurance Companies	
FINN 6214 Asset and Portfolio Management	Investment Risk Management
MATH 6203 Stochastic calculus for Finance	Market Microstructure

## Banking and Finance at Università Cattolica and Economics at UNCC

First Year at Università Cattolica
Monetary Economics
Quantitative Methods for Finance
Principles of Financial Regulation
Investment Risk Management
Market Microstructure
International Financial Markets
Advanced Financial Accounting
Applied Statistics for Finance
Foreign Language

Second Year at UNCC	
UNCC	Corresponding Cattolica exam
Advanced Macroeconomic Theory	Risk Management
Advanced Microeconomic Theory	Advanced Microeconomics
Advanced Business and Economic Forecasting	Applied Econometrics
Financial Management	International Corporate Finance
Advanced Corporate Finance	Corporate Finance
Financial Derivatives	Derivatives Securities Pricing
Master's Thesis Research	Master's Thesis Research

## Economia dei Mercati e degli Intermediari finanziari at Università Cattolica and Mathematical Finance at UNCC

First Year at Università Cattolica
Informativa finanziaria e principi contabili internazionali
Diritto commerciale
Economia monetaria
Metodi quantitativi per la finanza II
Microeconomia
Strumenti derivati (this exam is a compulsory prerequisite to be fully admitted at UNCC. It needs to be passed by the first exam date in May/June session with a minimum grade of 24/30)
Diritto bancario e dei mercati or Diritto delle assicurazioni or Diritto degli emittenti quotati (one of these exams is a compulsory pre-requisite to be fully admitted at UNCC. It needs to be passed in the winter session or by the first exam date in May/June with a minimum grade of 24/30)
Lingua inglese

Second Year at UNCC	
UNCC	Corresponding Cattolica exam
<b>Gestione delle Banche e Assicurazioni</b>	
FINN 6203 Financial Economic Theory	Elective course 1*
MATH 6203 Stochastic calculus for Finance	Elective course 2*
FINN 6219 Financial Econometrics	Econometria
FINN 6211 Fixed Incoming Securities and Credit Risk	Gestione Del Portafoglio
FINN 6214 Asset and Portfolio Management	
FINN 6213 Risk Management and Financial Institutions	Gestione Bancaria
FINN 6215 Risk Management in Insurance Companies	Etica Della Finanza
FINN 6216 Quantitative Risk Management	Gestione Dei Rischi Finanziari
<b>Finanza</b>	
FINN 6203 Financial Economic Theory	Asset Pricing
MATH 6203 Stochastic calculus for Finance	
FINN 6219 Financial Econometrics	Econometria
FINN 6211 Fixed Incoming Securities and Credit Risk	Esame A Scelta 1*
FINN 6214 Asset and Portfolio Management	Esame A Scelta 2*
FINN 6213 Risk Management and Financial Institutions	Finanza Aziendale (Corso Avanzato)
FINN 6215 Risk Management in Insurance Companies	Etica Della Finanza

FINN 6216 Quantitative Risk Management	Corporate Governance
Finanza – Corporate Advisory	
FINN 6203 Financial Economic Theory	Pianificazione Strategica E Rating Advisory
MATH 6203 Stochastic calculus for Finance	
FINN 6219 Financial Econometrics	Econometria
FINN 6211 Fixed Incoming Securities and Credit Risk	Esame A Scelta 1
FINN 6214 Asset and Portfolio Management	Esame A Scelta 2
FINN 6213 Risk Management and Financial Institutions	Finanza Aziendale (Corso Avanzato)
FINN 6215 Risk Management in Insurance Companies	Etica Della Finanza
FINN 6216 Quantitative Risk Management	Corporate Governance

\* Elective course 1 and Elective course 2 corresponds to ATTIVITA' FORMATIVE A SCELTA DELLO STUDENTE (12 CFU).

## Statistical and Actuarial Sciences at Università Cattolica and Mathematical Finance at UNCC

First Year at Università Cattolica
Actuarial Life insurance
Actuarial Non-life insurance <i>(this exam is a compulsory prerequisite to be fully admitted at UNCC. It needs to be passed by the first exam date in winter session with a minimum grade of 24/30**)</i>
Actuarial model for social security and Pension Funds
Statistics for economics and finance
Insurance Law and regulation
Data analysis for insurance <i>(this exam is a compulsory prerequisite to be fully admitted at UNCC. It needs to be passed by the first exam date in May/June session with a minimum grade of 24/30)</i>
Economics for Finance
Quantitative Methods for Finance
Foreign Language
Introduction to actuarial mathematics and risk theory*/**

\*Levelling course only for students who need to strengthen their knowledge in Actuarial mathematics and risk theory (depending on their bachelor degree)

\*\*Introduction to actuarial mathematics and risk theory replaces Actuarial Non-life insurance as the compulsory prerequisite for students who have the levelling course in the study plan.

Second Year at UNCC			
UNCC	ECTS	Corresponding Cattolica exam	CFU
FINN 6213 Risk management and financial institution	3	Accounting and management in insurance	10
ECON/FINN 6203 Financial Economic Theory	3		
FINN 6219 Financial Econometrics	3	Econometrics	7
MATH 6203 Stochastic Calculus for Finance I	3	Advanced calculus and stochastic processes	9
STAT 6115 Statistical Learning with Big Data	3		
FINN 6210 Financial Elements of Derivatives	3	Insurance statistics and advanced risk theory	11
FINN 6216 Quantitative risk management	3	*Quantitative risk management	5
FINN 6211 Fixed income securities and Credit Risk	3	*Actuarial and financial modelling for Solvency II	5

\*Extra credit for students who have Introduction to actuarial mathematics and risk theory in the study plan