

Name of University	Name of Program	Department that Hosts Program	Year Started	Full Time, Part Time, Both	Size of Program (FT/PT)	Degree Levels offered (BA, MA, MS, PhD)	Length of FT and PT Programs	Prerequisites	Core Requirements	Tuition	Brief Statement of Program Philosophy	Website	Admissions Contact
Baruch College	Financial Engineering MS Program	Mathematics	2002	Both	15-20 FT, 15-20 PT	MS	FT: 3 Semesters PT: 5-6 Semesters	* Knowledge of Finance, as demonstrated by one undergraduate class or work experience * Calculus (two semesters) * Probability (one semester) * Linear Algebra (one semester) * C++ programming skills at the level of one undergraduate class, or by completing a certificate degree For a prerequisite to be considered met, the course must have been passed with a grade of B or better.	MTH 9814 A Quantitative Introduction to Pricing Financial Instruments MTH 9815 Object Oriented Programming for Financial Applications MTH 9821 Numerical Linear Algebra MTH 9823 Real Analysis and Probability MTH 9822 Numerical Methods for PDEs in Finance MTH 9862 Stochastic Processes in Finance	For the entire program (12 courses): USD \$,800 for NY State residents USD \$8,000 for out-of-state and international students	The Baruch MFE program combines a rigorous treatment of the mathematical concepts required for modeling and solving financial problems with a strong emphasis on computational techniques. We prepare our students to know how to solve real-world problems, and have the communication skills necessary to present their work. The Baruch MFE program is a professional masters program. More than forty percent of our courses are taught by experienced practitioners from the financial industry who are also gifted educators. Over ninety percent of our graduates are working at elite investment banks and hedge funds, on three continents, with the vast majority of them working in New York.	http://www.baruch.cuny.edu/math/masters.html	Ms. Cathy Levkovic Phone: (646) 312-4493 Email: Cathy_Levkovic@baruch.cuny.edu
Bentley College	Master of Science in Finance	Finance	MSF program has been in place for 20+ years	Both	135 Total	MS Only	Full time - about 12-15 months; Part time - about 24-36 months on average	Pre-Program Foundation – 6 credits Any student who has taken statistics or economics at the undergraduate level may be eligible to waive each course, subject to a transcript review. Statistics Economic Environment of the Firm Program Foundation – 12 credits Students who have received a business degree from a non-AACSB or EQUIS accredited institution may be eligible to waive the program foundation courses, subject to a transcript review. All non-business majors must take the program foundation courses. Module 1 (6 Credits) Accounting for Decision-Making Financial Statement Analysis for Decision-Making Managing People in Organizations	Quantitative Curriculum To earn the MSF with the quantitative concentration, students must successfully complete 10 courses (30 credit hours): six required courses (18 credit hours), three electives – of which one must be MA 611 or MA 638 (nine credit hours), and the Capstone course. All courses earn three hours of credit. Core Courses - 18 credits required FI 625 Corporate Finance: Theory, Tools and Concepts FI 635 Fixed Income Valuation and Strategies FI 645 Derivatives FI 751 International Financial Management MA 631 Mathematical Foundations of Quantitative Finance ST 625 Quantitative Analysis for Business and Finance Elective Courses - 9 credits required - At least 3 credits in math MA 611 Analysis of Financial Time Series MA 639 Asset Valuation and Derivative Pricing FI 603 Short-Term Financial Management FI 640 Equity Valuation FI 649 Seminar in Equity Trading FI 650 Advanced Portfolio Theory and Practice FI 701 Internship in Finance FI 710 Enterprise Risk Management FI 745 Real Estate Investment Analysis Quantitative Finance Capstone MA 731 Applied Modeling	About \$3,000 per course	Focus is on theory and decision making using highly developed analytical skills to mitigate risk and realize profit opportunities. Many course use cases to simulate market/ firm conditions. Significant linkages with current market conditions using state of an Trading Room.	http://www.bentley.edu/msmf/cfm	Contacts General Information For information about financial aid or the application process, contact Patrick Orszko at orszko@bentley.edu. Information About the MSF Program at Bentley For information about the curriculum or career opportunities, please contact Program Director Phil Uhlmann at 781.891.3175 or puhlmann@bentley.edu.
Birkbeck, University of London	MSc Financial Engineering	School of Economics, Mathematics and Statistics	2002/3	Both	FT: 20 PT: 30	MSc, PhD	FT one year, PT two years	A good knowledge of basic mathematics including advanced calculus, linear algebra, elementary probability and statistics.	The entry requirement will be the equivalent of a UK III degree or above in a quantitative discipline, or an equivalent qualification. The first degree will normally be in a quantitative discipline such as physics, engineering, statistics, mathematics or quantitative economics. Students who have completed highly quantitative economics degrees will also be eligible. Substantial relevant work experience may be taken into account.	UK and EC: £1816/year PT and £13,608 FT Overseas: £7608/year PT and £15,210 FT	This programme offers advanced training in quantitative skills used in modern financial institutions. These include most notably valuation of securities, and measurement and management of portfolio risks. Training is provided in programming, numerical methods and statistics and students will be grounded in up to date pricing and risk management techniques. A notable feature of the programme is the emphasis on computational methods and implementation of the pricing and risk management techniques learnt. Students graduating from the programme should be equipped to work as specialist quantitative analysts in financial institutions or to complete doctoral study in financial engineering.	http://www.ems.bbk.ac.uk/courses/msc_pgdip_programmes/msc_fin_eng	Dr Brad Baxter (b.baxter@bbk.ac.uk) and/or Prof. Raymond Brummehuis (r.brummehuis@bbk.ac.uk)
Boston University	Master of Arts in Mathematical Finance	The program is offered as an interdisciplinary program, with participation of faculty from the Departments of Mathematics and Statistics, Economics, and the Graduate School of Management.	1999	Both	Typically, class size varies from 15-30 students, with the majority of students enrolled on a full-time basis.	MA	The M.A. degree can be earned within 11 months (full time) or 2 years (part time).	The program's prerequisites are 4 semesters of college-level calculus, linear algebra, differential equations, and basic computer programming skills. One semester of real analysis, partial differential equations and/or finance is strongly recommended.	Mathematical Finance: Theory, Tools and Concepts FI 635 Fixed Income Valuation and Strategies FI 645 Derivatives FI 751 International Financial Management MA 631 Mathematical Foundations of Quantitative Finance ST 625 Quantitative Analysis for Business and Finance Elective Courses - 9 credits required - At least 3 credits in math MA 611 Analysis of Financial Time Series MA 639 Asset Valuation and Derivative Pricing FI 603 Short-Term Financial Management FI 640 Equity Valuation FI 649 Seminar in Equity Trading FI 650 Advanced Portfolio Theory and Practice FI 701 Internship in Finance FI 710 Enterprise Risk Management FI 745 Real Estate Investment Analysis Quantitative Finance Capstone MA 731 Applied Modeling	\$39,000	The course curriculum is built around the core of concepts that led to the development of the Black and Scholes option pricing method and have grown into powerful methods for risk analysis, pricing of exotic securities, fixed income market models, optimal consumption, asset management, corporate investment/acquisition decisions. In addition, students gain knowledge in stochastic calculus, dynamic programming, advanced numerical and simulation techniques.	www.bu.edu/mathh	Lois Solomon Program Coordinator email: mathh@bu.edu
Carnegie Mellon University	MS in Computational Finance	Tepper School of Business - Finance Mellon College of Science - Mathematics Humanities & Social Sciences - Statistics Heinz College - Information Technology	1994	Full Time (Pittsburgh, PA and New York City) Part Time (Pittsburgh, PA and New York City) Dual MBA/MSCF Full-Time (Pittsburgh, PA)	Full Time (Pittsburgh, PA 35; New York City 35) Part Time (Pittsburgh, PA 5; New York City 65) Dual MBA/MSCF Full-Time (Pittsburgh, PA 5)	MS (BS Computational Finance offered through Math Dept. PhD in Mathematical Finance offered through Math Dept.)	FT - 3 semesters plus summer internship (16 mos. total) PT - Half full time load (33 mos. total) no summer classes	Undergraduate degree in a technical discipline such as mathematics, computer science, engineering or economics with a minimum of two semesters of study in differential and integral calculus, the caliber of which is required of engineering, math or science majors (ordinary differential equations, linear algebra, and a calculus based probability course), strong academic performance in mathematics and statistics coursework and able to program in a general purpose programming language.	All 25 "mini-semester" courses (seven weeks in duration) are designed expressly for the MSCF student and are, as a result, highly integrated with earlier courses serving as prerequisites for later courses. All 25 courses are required for graduation. Limited exemptions are permitted.	FT - Fall '08 \$23,900; Spring '08 \$23,900; \$24,500 Fall '09* (*est. PT - \$3,138 per course (AY 2008-2009))	The MSCF program explores the high-level mathematical and statistical concepts underlying the global, multi-trillion dollar business in which options, swaps, and other structured products are constructed, priced, hedged and traded. Our graduates pursue careers in derivatives and algorithmic trading, quantitative portfolio management, structuring and risk management.	www.cmu.edu/mscf	MSCF Admissions Carnegie Mellon University 5000 Forbes Avenue, Pittsburgh, PA 15213-3890 Phone: 412.268.3679 or 800.850.4742 (U.S. only) Email: Gwendolyn.Stanczak_pwens@cmu.edu
Claremont Graduate University	Financial Engineering Management Program	Joint program between the School of Mathematical Sciences and the Peter F. Drucker and Masatoshi Ito Graduate School of Management	1997	Both	FT: 70 PT: 10	Master of Science in Financial Engineering (MSFE)	Full time program 1.5 years (4 classes per semester-no summer classes); Full time program 2 years (3 classes per semester-no summer classes); Part time 3 years (2 classes per semester)	Multivariable calculus and linear algebra with a grade of B or better taken at the undergraduate level.	Math core Probability, Stochastic Processes and Math Finance Management core Accounting, Corporate Finance, Asset Management and Financial Derivatives	2007-2008 Tuition: \$1,376 per unit + Student semester fees 48 unit program	The Financial Engineering Management program at Claremont Graduate University has a dual focus. As a joint management and mathematics program, the MSFE degree provides an integrated managerial and technical advantage. The mathematics component develops skills such as analytical and simulation techniques that students need to analyze and evaluate financial products and other risk exposures. The management component, including case studies and field-based internships, develops the methods and insights students must have to interpret organizational needs and goals in the design of appropriate exposure to financial, organizational, and product-market risks.	http://www.cgu.edu/fineng	Financial Engineering Management Program 1-800-944-3412; 1-909-607-8799 or fineng@cgu.edu
Columbia University	Master of Science in Financial Engineering	Industrial Engineering and Operations Research		Full Time Only	65	MS, PhD	MSFE program is one calendar year starting in the summer (July).	Please see website for more information.	Please see website for more information.	Tuition is based on a per point rate. The rate for the 2007-08 academic year was \$1,184. Total tuition for the 2007-08 academic year: \$42,624	The Financial Engineering Program at Columbia University provides a one-year full-time training in the application of engineering methodologies and quantitative methods to finance. It is designed for students who wish to obtain positions in the securities, banking, and financial management and consulting industries, or as quantitative analysts in corporate treasury and finance departments of general manufacturing and service firms.	www.ieor.columbia.edu	adm@ieor.columbia.edu
Cornell University	Financial Engineering	School of Operations Research and Information Engineering	1995	Full Time	40-45 Master students and 5-10 PhD students	Master of Engineering (MEng) with Financial Engineering Concentration PhD in Operations Research, with concentration in Applied Probability and Statistics	Master-level program requires 3 semesters of full time study. The length of PhD-level program varies, but students usually complete their degrees in 4-5 years.	Master-level degree: The program is formally a Concentration within the Master of Engineering (MEng) degree in Operations Research and Information Engineering. Students must qualify for admission into the MEng program and be selected for the Concentration in Financial Engineering. In addition to the requirements for admission to the ORIE MEng program, entering the Financial Engineering Concentration requires advanced knowledge in mathematics and probability theory. We also strongly recommend taking a course on stochastic processes (ORIE 361/523 or equivalent) before entering the program. Details can be found in sections IIA and IIID of the ORIE MEng handbook, available at http://www.orie.cornell.edu/orie/academics/meng/programdescription/upload/Handbook07-2.pdf PhD degree: Details can be found at http://www.orie.cornell.edu/orie/academics/phd/programdescription/applycfm	Master-level degree: See section IIID of the ORIE MEng handbook, available at http://www.orie.cornell.edu/orie/academics/meng/programdescription/upload/Handbook07-2.pdf PhD degree: Similarly to the master-level program, PhD candidates must satisfy admission requirements of the ORIE PhD program. The requirements are posted at http://www.orie.cornell.edu/orie/academics/phd/programdescription/phdreq.cfm	Master-level degree: \$17,300 per semester (fall 2007, spring 2008) PhD degree: All students admitted are guaranteed four years of support (stipend + full tuition) subject to satisfactory progress, and a fifth year of support is usually provided if the degree is not completed in four years.	Together, Robert Larrow and David Heath advised students for several years before formalizing the program in 1995, making Cornell one of the very first universities to have a graduate program in Financial Engineering, and arguably the oldest such program in the world. Cornell continues to retain its leadership in the maturing field of Financial Engineering. Today, a highly active research group in mathematical finance and financial engineering spans the campus. Cornell's strong tradition of interdisciplinary study plays an important role in Financial Engineering and includes members of the School of Operations Research & Industrial Engineering http://www.orie.cornell.edu/ , the Johnson Graduate School of Management http://www.johnson.cornell.edu/ , the Department of Economics http://www.orsie.cornell.edu/orsie/mimwindow/atoms and the Department of Applied Economics and Management http://aem.cornell.edu/fash.htm . Cornell's program also recognizes the importance of balancing theoretical education with training and practical experience our students need to succeed in a financial engineering career.	http://www.orie.cornell.edu/	Ms. Kathryn M. King (Graduate Student Service Coordinator); kmk23@cornell.edu
DePaul University	Computational Finance	A joint program between the school of Computer Science, Telecommunications and Information Systems and the Keltsadt Graduate School of Business	2005	Both	30 Students Total	MS	About 1-2 Years (52 Credit Hours)	Calculus I, Calculus II, C++, Design and Analysis of Algorithms	Financial Accounting, Economics, Financial Management, Investment Analysis; Portfolio Management; Derivatives: Pricing and Risk Management; Advanced Derivatives: Pricing and Applications; Data Analysis and Regression; Time Series Analysis and Forecasting; Scientific Computing; Monte Carlo Simulations; Algorithms and Applications; Master's Research, or Graduate Internship, or Software Project: Developing Financial Engines	For 2007/2008 academic year, \$2392 for a 4-credit computer science course, \$2992 for a 4-credit finance course.	The objective of the Master of Science in Computational Finance program is to offer students the opportunity to acquire both the ability to understand existing financial models in a quantitative and mathematical way, and the ability to implement these models in the form of computer programs. This program differs from a regular MS in Finance because of a stronger mathematical component and the addition of an intensive computational component. The program aims to produce graduates with the required qualifications to become "quantitative financial analysts". Computational Finance graduates will be able to apply quantitative tools to solve complex problems in the areas of portfolio management, risk management, and financial engineering.	http://www.cti.depaul.edu/academics/Pages/MSinComputationaifinance.aspx	Contact admissions at (312) 362-8714 or ctiadmissions@cti.depaul.edu
Dublin City University	MSc in Financial and Industrial Mathematics	School of Mathematical Sciences	1996	Full Time	15 Places	MSc	This is a year long program, consisting of two twelve week teaching terms and a twelve week project.	An ability to absorb advanced mathematical concepts, and an interest in stochastic techniques	The programme is based on the idea that high academic content and relevance to the real world are not mutually exclusive; indeed the full power of a mathematical theory is revealed only when it is put to use to solve practical problems. In this course, abstract theories are never presented for their own sake; equally, we avoid fruitless lists of disconnected case studies. We believe that an integrated presentation of the theory and its uses in practice is the optimal approach. We also firmly believe in the value of establishing solid mathematical foundations for all of the topics taught.	http://www.dcu.ie/math/msc/mis_fin_html	All applications are handled on the web, see above site. The code for the course is DC074.		
ETH Zurich and University of Zurich	Master of Advanced Studies in Finance, joint degree of the University of Zurich and of the ETH Zurich	Swiss Banking Institute, University of Zurich	2002	Both		Master of Advanced Studies	FT: 3 Semesters PT: 5 Semesters	Basics of Corporate Finance and Financial Economics; Fundamentals of Modern Probability theory and Statistics	Excellent academic and/or practical records in Corporate Finance and Probability Theory	5000 CHF	Unique combination of advanced financial economics with mathematical finance, probability, statistics and numerical analysis	www.msfinance.ch	stroel@isb.ethz.ch
Florida State University	Financial Mathematics	Mathematics	1998	Both	About 50, Almost all Full Time	MS, PhD	FT: MS: 2 years, PhD variable PT: variable	MS: Calculus, linear algebra, ODE, probability, advanced calculus, some economics and corporate finance, some programming desirable.	MS: 36 graded hours from approved courses chosen with the Director and Chair of MS Committee	See FSU Website	The Financial Mathematics program at FSU is supported by ten faculty members of the Mathematics Department along with 20 other associated faculty in five additional departments. This interdisciplinary program offers master's and doctoral degrees (M.S., Ph.D.) in computational and mathematical finance. Flexible course choices and a range of auxiliary professional development opportunities are available. The program has about fifty students who share a common core of courses in financial mathematics, other mathematics areas, and courses from computer science, economics, finance, insurance and risk management, and statistics. Graduates are positioned to join the many mathematicians, engineers, physicists, and economists who work as quantitative analysts and financial engineers. Those who seek doctoral candidacy will be prepared for more advanced "quant" positions or an academic career. Professionals in the field, including recent graduates of the program and participating departments who work in diverse areas — energy marketing to fund management — advise the program and visit the campus — note Financial Mathematics Festivals. This program is listed on the website of the	http://www.math.fsu.edu/~kercheva/FMGuide/	graduate_admissions@fsu.edu
George Washington University	Master of Science in Finance	Department of Finance	1993	Both	About 130 Students	MS	FT/Intensive Program: 12 Months PT/Regular Program: 24 Months	In order to graduate, MSF students need to take 12 core courses: FINA 271 Financial Modeling and Econometrics FINA 272 Global Financial Markets FINA 273 Advanced Accounting Applications for Finance FINA 274 Corporate Financial Management and Modeling FINA 275 Investment Analysis and Global Portfolio Management FINA 276 Financial Engineering and Derivative Securities FINA 277 Comparative Financial Market Regulation and Development FINA 278 Financial Theory and Research FINA 279 Real Estate Finance and Fixed Income Security Valuation FINA 280 Financial Institution Management and Modeling FINA 281 Cases in Financial Management and Investment Banking FINA 282 Directed Research in Finance	A bachelor's degree - GMAT or other graduate level exam (GRE) scores - TOEFL or IELTS (for international applicants) - Six hours in economics; six hours in mathematics, including calculus; and three hours each in financial accounting, managerial finance, and statistics. The Master of Science in Finance seeks social, ethnic, cultural, and geographical diversity in its student body. Students should apply as early as possible to identify what prerequisites, if any, are required; besides, we have rolling admissions and enrollment is limited.	\$55,200 for the Program, \$27,600/year	The Master of Science in Finance (MSF) Program has earned a reputation of producing leaders in the field of finance. It is part of The George Washington University's School of Business that was established in 1928 and is accredited by the AACSB-The International Association for Management Education. This program, which builds upon a bachelor's or master's degree in business administration, economics and other quantitative disciplines, emphasizes the theoretical foundations and quantitative methods in financial management. The Master of Science Program aspires to produce professionals who are capable of critically analyzing and questioning knowledge claims in finance. The Program aims to equip its graduates with both the knowledge for making optimal financial decisions in an increasingly complex global environment, and with the skills necessary to apply and communicate this knowledge even in new and unfamiliar circumstances.	http://www.gwu.edu/~msf/	Randa Zakhour Administrative Director Master of Science in Finance Program The George Washington University 2201 G Street, Fungler Hall Suite 501 Washington, DC 20052 Tel: 202-994-1576 Fax: 202-994-8926 rzakhour@gwu.edu
Georgia Institute of Technology	Quantitative and Computational Finance	School of Industrial & Systems Engineering College of Management School of Mathematics	2000	Both	FT: 105 PT: 5	MS	FT: 18 Months PT: 36 Months	Calculus, linear algebra, differential equations, probability, statistics, basic knowledge in finance & programming.	Finance and Investments, Stochastic Processes in Finance I, Numerical Methods in Finance, Derivative Securities, Design and Implementation of Systems to Support Computational Finance, Fixed Income Securities.	US\$43,400 / 18 months.	The main objective of the Master of Science degree program in Quantitative and Computational Finance at Georgia Tech is to provide students with the practical skills and theoretical understanding they need to be leaders in the formulation, implementation and evaluation of the models used by the financial sector to structure transactions, manage risk and construct investment strategies.	http://www.qcf.gatech.edu	hshpar@isye.gatech.edu
Georgia State University	MS in Mathematical Risk Management	Risk Management and Insurance	2004	Both	12 FT, 3 PT per year	MS	FT: 15 Months, PT: Depends	3 Semesters Calculus, 2 Semesters Mathematical Statistics, 1 Semester Accounting, 1 Semester Microeconomics, 1 Semester Corporate Finance Management	Theory of Risk Sharing, Financial Engineering, Quantitative Financial Risk Models, Econometrics, Financial Econometrics, Term Structure and Credit Risk Models, Cases in Financial Risk Management	In-state: \$9,000 Out of State: \$29,000	The M.S. in Mathematical Risk Management program is designed to prepare students for analytical and technical positions within financial institutions, risk management advisory organizations, and the regulatory departments of non-financial firms. The program draws expertise from mathematical finance, actuarial science, and corporate risk management.	http://www.rmi.gsu.edu/AcaProg/RRMRM/index.htm	Richard Phillips rphills@gsu.edu
HECTOR School of Engineering & Management Universität Karlsruhe (TH)	M.Sc. in Financial Engineering		2005	Part Time		MSc	18 Months (Part Time)	- Job Experience: 3 Years - TOEFL Test (English Language Test) - University Degree (Bachelor, Diploma,...)	-	€ 3,000	Assessing and controlling different types of risks are key responsibilities in the financial sector. The quality of risk management processes is a crucial factor in the success or failure of the business. Increasingly complex financial products, various regulations and the enormous importance of information technology have created a great challenge both to financial and non-financial companies. Mastering these challenges requires a thorough understanding of complex financial strategies, financial modeling ability, computational proficiency, and eventually, managerial vision. In response to this demand, our Master's Program in Financial Engineering offers a unique combination of familiarity to finance theory, engineering methods, management tools, mathematical and computational techniques. With its long tradition in interdisciplinary programs, the Universität Karlsruhe (TH) provides an ideal interdisciplinary environment. Building on the long-established reputation for excellence in business engineering, the two-part program combines an in-depth knowledge and understanding of fundamental concepts in business, finance, and management in the first half, with the latest developments in financial engineering in the	http://www.hectorschool.com/v	Eva Hildenbrand Assistant to Managing Director
Hofstra University	Master of Science in Quantitative Finance	Finance	2007	Both	Less than 5	MS	3 semesters FT, 5-6 semesters PT	Calculus (2 semesters) Computer Programming, Statistics, GMAT	Managerial Finance, Advanced Calculus for Finance, Securities Analysis, Portfolio Management, Options Markets, Times Series Analysis of Financial Data, Topics in Mathematical Finance, Financial Engineering, Financial Modeling	\$820 per credit hour, plus fees	Offered with courses from the Departments of Finance, Mathematics and Quantitative Methods, the MSQF offers advanced instruction to students with a quantitative background. MSQF students will gain a strong conceptual understanding of financial theory and analytical techniques. An emphasis is placed on applying this foundation to analyze and develop analytical and quantitative solutions to contemporary financial problems.	www.hofstra.edu/MSQF	Dr. Andrew Spieler, Department of Finance 516 463-6334
Illinois Institute of Technology	Finance	Stuart School of Business	1990	Both	327 FT 100 PT	MS Finance M. Mathematical Finance	FT 1.5 Years PT 3.0 Years (approx)	4 Year Undergraduate Degree GMAT/GRE	Financial Mathematics Statistics with Financial Applications Financial Modeling Valuation and Portfolio Management Futures, Options and OTC Derivatives Financial Statement Analysis	\$41,745	Teach modern quantitative finance to technically oriented students with the objective of helping them to succeed in financial markets and institutions.	www.stuart.it.edu	admissions@stuart.it.edu
Imperial College of London, Tanaka Business School	MSc Risk Management and Financial Engineering	Tanaka Business School	2005	Full Time	80	MSc	12 Months	Successful applicants need a strong background in quantitative finance and a good result in a relevant degree from a leading university	A good degree (equivalent of a UK 2:1 honours degree or above) in a highly quantitative subject, such as mathematics, physics, engineering, or economics, and an English language qualification (see website for more information)		The MSc Risk Management and Financial Engineering equips students with the cutting-edge risk management tools and strategies utilised by the world's leading financial firms. Developed with insight from Standard and Poor's, the programme ensures students gain the depth of understanding required to advance in a risk management career.	www.imperial.ac.uk/tanaka/msc-risk-management	Wen Ming Lin or Slava Tognari +44 (0)20 7594 9653 or +44 (0)20 7594 9208 riskmanagement@imperial.ac.uk

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International University of Monaco	Masters in Finance - Financial Engineering	Department of Institutional Affairs	1995	Full Time		MS	10 month Intensive	Bachelor in Business or equivalent, specialisation in Finance and or Mathematics, Bachelor of Science in Engineering	Intensive Mathematical Background	14,500 euros	The Master's in Finance (MFIN) at the International University of Monaco (IUM) is a 10-month, 54-credit program completed in three 12-week terms. Objective: to learn how to analyze, forecast and make decisions regarding highly sophisticated financial instruments like derivatives. Candidates must have advanced knowledge in statistics and mathematics, a background in engineering, quantitative economics, computer science. Career Options: trading of primary and derivative securities, risk and portfolio analysis, in financial institutions, financial services and insurance firms.	http://www.monaco.edu/Programs/MFIN/fin_ovr.php	Ms Leila Belo, Admissions Officer, bello@monaco.edu
The Carey Business School Johns Hopkins University	MS in Finance	Department of Finance	2000	Students may complete the program on a full or part-time basis. At this time all classes are offered during the evening.	61 students are full-time 114 students are part-time	MS	full-time: two years part-time: three and a half years	Financial Accounting Financial Management Business, Government, and the World Economy (open macroeconomics) Statistics for Business Management Derivative Securities Advanced Portfolio Mathematics for Financial Analysis	Managerial Economics Corporate Finance Advanced Corporate Finance: A Case Study Approach Financial Statement Analysis Financial Modeling Investment Analysis and Portfolio Management Derivative Securities Advanced Portfolio Management	fees \$605 per credit for graduate-level courses (Downtown Baltimore Center/Columbia Center) \$670 per credit for graduate-level courses (Montgomery County Campus) \$735 per credit for graduate-level courses (Washington, DC Center) \$70 Application Fee \$60 Registration Fee (per term) \$100 Late Registration Fee Lab fees (included in course tuition where applicable) \$100 Graduation Fee.	The Master of Science in Finance degree prepares students for careers in financial analysis and management. This rigorous quantitative program relies on current technology and financial methodologies to analyze complex problems. The coursework stresses the application of contemporary theories in a global context and develops valuable financial modeling and analytical skills.	http://carey.jhu.edu/finance	General Admission: 410.5.16.4234, careynfo@jhu.edu Finance Department: 202.588.0665, finance@jhu.edu
Jomo Kenyatta University of Agriculture and Technology, KENYA	Financial Engineering	Department of Statistics and Actuarial Sciences	2008	Full Time	35 Full Time	B.Sc	4 years	Refer to Website (http://www.jkuat.ac.ke/stacs/)		KSh. 800,000.00 (US \$10,000) for the whole program	The program aims at training highly qualified Financial Engineers to suit the needs of a dynamic world. The program has strong links with regional financial industry.	http://www.jkuat.ac.ke/stacs/	For more information about the program, contact The Chairman at stacs@frc.jkuat.ac.ke
Kent State University	Master of Science in Financial Engineering	Finance, Economics, and Mathematics	2003	Full time, Lock-step	24 Full Time Students	MS	1 Year	Calculus Linear Algebra Ordinary Differential Equations Probability Statistics Computer Programming (Any Language) Economics (Macro and Micro) Accounting (managerial and Financial)	FALL SEMESTER: Derivatives I Financial Management I Topics in Probability Theory and Stochastic Processes Computational Finance Advanced Security and Investment Theory SPRING SEMESTER: Derivatives II Fixed Income Markets Financial Mathematics Time Series Analysis SUMMER SEMESTER: Financial Engineering Legal Aspects of Financial Engineering Seminar: Modeling Projects (10 week Internship)	The tuition and fees for the MSFE degree program as of the Spring of 2008 are: \$21,552 for Ohio residents or \$32,070 for non-Ohio residents. The above include the \$2,700/semester MSFE Program Fee.	Financial Engineering exploits tools from finance, mathematics, computer science, and economics to the solution of risk management problems. Financial Engineering methods address such problems as derivative securities valuation, strategic planning and dynamic investment strategies. The increased pace of financial innovation has multiplied the need for highly qualified Financial Engineers in investment banking, hedge funds, corporate risk management and regulatory agencies. The MSFE program is designed for students with strong quantitative backgrounds seeking careers as risk management officers, derivative analysts or traders. The program emphasizes applied and a solid theoretical foundation. Our state-of-the-art, on-campus Trading Floor uses advanced market software with live data to simulate trading conditions and provide hands-on training to develop "Quants Who Can Trade".	http://www.business.kent.edu/msfe/	Rebecca Evans evansr@kent.edu Yahoo IM: Orlak858
Liverpool JMU	International Banking and Finance	Liverpool Business School	1993	Full Time	30	MSc	12 Months	We are looking for two distinct groups of students: Those students with strong quantitative skills gained through an undergraduate degree in physics, chemistry, mathematics, engineering or a cognate subject. Those graduates who bring to the programme some knowledge of economics and finance. This would include economics, accounting and financial graduates and also business studies graduates who have specialised in these areas.	Hold a Bachelors degree from a UK University or a recognised equivalent. Overseas students will be expected to provide evidence of a level of English ability equivalent to 6.0 of the International English Language Testing Standards (IELTS) or an equivalent TOEFL score achieved within the past 24 months. English Language tests are not required from students when the medium of delivery for their Bachelors degree was English.	£4,535 (EU)/£8,100 (Non-EU)	Liverpool John Moores University has offered an MSc in International Banking and Finance since 1993. In that time the course has welcomed students from over 40 different countries and has prepared these students to work in the banking and financial sectors as practitioners, researchers and trainers. The programme has been designed to enable participants to apply theoretical concepts to practical financial and banking problems. The approach is modern, making use of IT, market data, and case studies where appropriate. Each module is supported by LJMU's virtual learning environment, Blackboard.	www.ljvu.ac.uk/ale/ibf	Programme Admin on msc@ljam@ljam.ac.uk or telephone +44 (0) 151 231 3857. Programme Leader on msc@ljam@ljam.ac.uk
London Business School	Masters in Finance	Finance Programmes	1993	Both	Full-time 145-150 Part-time 75-80	MSc	Full-time 10 months Part-time 22 months	GMAT At least two years experience in finance or finance related field. Good undergraduate degree, with GPA of 3.5 or above	There are three core courses in: Investment Management Corporate Finance Financial Accounting and Analysis Students then need to choose between 6 and 8 electives and complete a project	£29,700 in 2008 £31,500 in 2009	We believe our Masters in Finance to be a truly unique programme. Taught by world-renowned faculty, it is both academically rigorous and closely aligned with professional practice. Participants are selected to ensure that the class is a diverse group of experienced international professionals. In addition to providing a thorough grounding in finance, there is an opportunity to concentrate on areas of special interest through a wide choice of electives. Concentrations are awarded in corporate finance, investment management and quantitative finance.	www.london.edu/mfi/	Client Services Co-ordinator Tel +44 207 7000 7599 Email: finance@london.edu
Mälardalen University, Sweden	Master Program Financial Engineering	Division of Applied Mathematics	2004	FT	120 ECTS credits	Master of Science in Mathematics/Applied Mathematics with specialisation in Financial Engineering	Two years	A completed Bachelor's degree from an institution of higher education of 3 years or more, equivalent to 180 credits (180 ECTS credits) of which at least 60 credit (60 ECTS credits) are in Mathematics including probability theory and statistics. English B is required for students in Financial Engineering. Foreign students are required to submit a TOEFL test result, minimum score 550 with a TWE score of at least 4 (PBT) or 79 with a TWE score of at least 17 (IBT) or an IELTS test result with an overall band score of minimum 6.0 and no band score below 5.0 or equivalent.	Year 1: Analytical Finance I and II, Stochastic Processes, Time Series Analysis, Portfolio Theory I, Financial and Risk Management Software, Simulation, Operations Research, Methods of Statistical Inference, Actuarial Mathematics. Year 2: Java in Analytical Finance, Differential Equations in Finance, Portfolio Theory II, Optimisation in Finance, Corporate Finance, Investment Theory, Intermediate Microeconomics, Degree Project in Mathematics.	No tuition fee	Focusing on quantitative computer-based methods of financial analysis, the program will provide an advanced base in Mathematics and Economics. The program is oriented towards financial real life problems and the textbooks have been chosen to support this approach. Advanced financial research is systematically used in the teaching. The best students are also involved in research activities and development of experimental financial software.	http://www.mdh.se/education/programs/2009_2010_en/uk/20092-41950	Magnus Strandås ukexp@mdh.se +46 21 10 16 40
Massachusetts Institute of Technology	Master of Finance	Sloan School of Management	2009	Full Time			12 Months (June - May)					http://mitsloan.mit.edu/academic/mfin/	
Nanyang Technological University	Master of Science (Financial Engineering)	Nanyang Business School	1999	Both	approx. 40	MS	FT: 1 Year PT: 2 Years	As per Core Requirements	* A good undergraduate degree in applied mathematics, applied science, statistics, computer science, engineering, economics, or other quantitative fields. Applicants from other disciplines will also be considered. * A good GMAT or GRE score. * A minimum of two years relevant working experience after obtaining the first degree is preferred but not required. * TOEFL is required if the medium of instruction during undergraduate studies was not in English.	Currently SGD 25,000 (currently being reviewed)	The Master of Science in Financial Engineering programme offered by the Nanyang Business School is a highly rigorous programme. The combined expertise of the Nanyang Business School with the School of Electrical and Electronic Engineering and the School of Computer Engineering in NTU, provides students with a broad-based education in high technology finance, combining the technical and conceptual advances in Computer Science, Mathematics and Finance. It challenges and builds the intellect while at the same time prepares participants for practical use of advanced financial techniques in the industry. Moreover, our collaboration with Carnegie Mellon University, USA, brings financial practices in the east and west live to the classrooms. Graduates of this programme can look forward to taking on very challenging careers in the areas of risk management, quantitative asset management, product structuring, quantitative trading, quantitative research, financial information technology as well as other areas in high-technology finance. We are proud of our graduates from this highly selective programme who have made a significant impact in the financial industries locally and internationally. We invite you to be part of this community.	www.nfe.ntu.edu.sg	Email: mfe@ntu.edu.sg Tel: (+65) 67904758/5025
National University of Singapore	B.Sc./B.Sc.(Hon) in Quantitative Finance	Mathematics	1998	Full Time Only	30-40 per cohort	B.Sc./B.Sc.(Hon)	4 Years	Refer to website			Computational/Quantitative Finance is a multidisciplinary programme that combines mathematics, finance and computing with a practical orientation that is designed for high calibre students who wish to become professionals in the finance industry. The curriculum is multidisciplinary with coverage in the following areas: 1) Mathematical Theory and Tools 2) Statistical Tools 3) Computing Theory and Techniques 4) Financial Theory and Principles 5) Core Financial Product Knowledge The programme is conducted jointly by the Faculty of Science, School of Business and School of Computing.	http://www1.math.nus.edu.sg/undergrad.asp?title=UP-CF	AsaMathUG@nus.edu.sg
New York University	MBA/MS in Mathematics and Finance	This is a dual-degree program offered by NYU's Stern School of Business and Courant Institute of Mathematical Sciences.	Fall 2008 (the Schools are accepting applications for the program now)	Full Time	N/A (The First Class will commence in Fall 2008)	MBA and MS	Three Years	The equivalent of a four-year U.S. undergraduate degree; the GMAT is required for the MBA and the General GRE is required for the MS; the TOEFL is required by both programs if the undergraduate or graduate education was not taught in English. There are no minimum scores required for any of the standardized tests. To apply to the MS, you must have taken undergraduate or graduate courses in Linear Algebra, Multivariable Calculus, Advanced Probability, and have basic programming skills. While work experience is not required to apply to the MBA, the average work experience of admitted MBA students is 5 years. Applicants must submit separate applications to Stern and Courant and be accepted by both Schools to pursue this dual-degree MBA/MS program.	The MBA/MS program is 72 credits and will be divided between the two schools.	Students will pay the flat semester tuition rate when registered at Stern during their first three semesters and a per credit tuition charge when registered at Courant thereafter. As of November 2007, the current cost of tuition and fees for one semester at Stern is \$20,911. The current cost of tuition and fees per credit at Courant is \$1,196 (each course at Courant gives three credits). These rates are subject to change and annual increase.	NYU's MBA/MS program will enable students to pursue both degrees simultaneously. Designed to be the most comprehensive program of its kind, the MBA/MS will employ the top resources and faculty of each school, including senior-level Wall Street practitioners and researchers who invented models now used by the Street every day. The program aims to attract the very best mathematics candidates who have demonstrated quantitative aptitude coupled with management and leadership potential and ambition. NYU aspires to produce a new type of graduate, competitively poised to pursue management careers in quantitative risk and portfolio management, algorithmic trading, and the design, pricing, trading and hedging of structured products.	Visit NYU Stern: http://www.stern.nyu.edu/admissions/submit/innovativecurriculaofm'doc_id=7781 and NYU Courant: http://math.nyu.edu/financial_mathematical/content/05_prospectivestudents/04_innovativeMBA-MS	NYU Stern: sternmba@stern.nyu.edu, NYU Courant: mathfrapp@corn.nyu.edu
North Carolina State University	Financial Mathematics	Mathematics	2003	The program is designed for full time students, but some part time students are enrolled.	FT: 35 PT: 5	MS, with a BS being planned	FT: 1 1/2 to 2 years PT: Up to 6 Years	Students should have mastered the undergraduate mathematics core courses including real analysis, linear algebra, and differential equations.	Capital Investment Economic Analysis (IE 713) Probability and Stochastic Processes I (MA/ST 546) Asset Pricing (ECG 590) Financial Mathematics (MA 547) Statistical Theory II (ST 522) Computational Methods in Economics and Finance (ECGS/MA 790C) 4 electives courses, 1 full semester internship	Residents \$2818/semester Nonresidents \$8842/semester	The Financial Mathematics Program provides technically trained professionals with an understanding of how to value financial derivatives and complex investments, and assess the associated risks. Graduates must have a rigorous training in mathematics, especially in the area of stochastic processes and probability, in statistics, and in computation, together with a foundation in the institutional operation of financial markets. The Program also provides a focal point for Financial Mathematics activities such as research seminars and workshops.	http://www.math.ncsu.edu/finmath/	Jeff Scroggs
North West University	Financial Mathematics Quantitative Risk Management	Centre for Business Mathematics and Informatics	1998	Full Time	200 Students Full Time	BSc, MSc, PhD	BSc (3 years) Honors BSc (1 year) PhD (-4 years)	To be allowed into the Honors BSc students must hold a BSc or BComm or equivalent degree, majoring in Financial Economics, Statistics and Mathematics.	A strong mathematical aptitude	Undergraduate tuition is in Afrikaans and post graduate tuition in English	The programme is career oriented and focus on practical application. MSc students are required to do a 6-month industry directed research project. This project should add value to business and is carried out either at a 3rd party client company.	www.nwu.ac.za/bmi	Riaan de Jongh (Riaan.dejongh@nwu.ac.za)
Northwestern University	Industrial Engineering and Management Sciences (Financial Engineering Concentration Major option)	Industrial Engineering and Management Sciences	1958	Full Time	50 FT Graduate Students 300 Undergraduate Students	BS, PhD	Year Undergraduate 4-5 Year Graduate				At the undergraduate level, we offer a BS degree in IE. The BSIE program is the second largest in the McCormick School of Engineering and Applied Science in terms of the number of students. We graduate about 70 seniors per year, which is also the second largest among all engineering departments. Nearly a third of these students are women. The BSIE program is ABET (Accreditation Board of Engineering and Technology) accredited. At the graduate level we offer Graduate degrees. We also have a part-time evening professional masters program in engineering management (MEM) and we partner with the Kellogg Graduate School of Management in a full-time two-year masters program in management of manufacturing (MMM).	http://iems.northwestern.edu	Adam Cebulski (gcoord@iems.northwestern.edu)
Oklahoma State University	Master of Science in Quantitative Financial Economics	Financial Department in the Spears School of Business	2000	Both	FT: 25 PT: 3	MS	There is also the opportunity to earn a PhD in Finance through the Spears School of Business. Students who choose the PhD can earn the MSQFE on the way to the doctorate degree.	FT students, entering the MSQFE Program with a bachelor's degree can complete the Program in two academic years. Students who enter the Program having already earned a Master's degree can complete the Program in 3 semesters.	Investments Derivatives Numerical Mathematics Econometrics Probability Theory Financial Engineering/Stochastic Calculus	Minimum number of credit hours to earn Master's Degree = 32 In-state tuition and fees per credit hour = \$190 Out-of-state tuition and fees per credit hour = \$560	The goal of the MSQFE Program is to offer a "finishing school" to two distinct streams of students. For each stream the Program offers access to the applications of quantitative finance. Quantitative Finance includes the activities necessary to value financial assets and derivatives, manage price, credit and operational risks, evaluate and select appropriate investment strategies, examine complex issues requiring data analysis, model estimation and strategy formation. Students entering the Program from engineering, physics, mathematics and statistics have highly developed analytical abilities and seek to gain insight into the financial applications of these skills. Students entering the Program from business and economics backgrounds tend to have a better understanding of the context of financial applications, yet seek additional refinement of their analytical abilities. The Program's curriculum is sufficiently flexible to meet the needs of both streams.	http://sfb.okstate.edu/legacy/sfb/msqfe/index.php	Tim Krehbiel Director, MSQFE 304 Spears School of Business Oklahoma State University Stillwater, OK 74078-5180 TLK@okstate.edu 405-744-8660 or Gary Cottongim Department of Finance 332A Spears School of Business Stillwater, OK 74078-5180 gary.cottongim@okstate.edu 405-744-5199
Polytechnic University	Financial Engineering Program	Finance and Risk Engineering	1995	Full time and part time offered	254 Graduate Students	MS, certificates, and an undergraduate minor	One year/one year and half for FT; two years for part time	Economics, Calculus 1 and 2, Probability and Statistics, and Linear Algebra	15 credits: FRE 6003, Financial Accounting, 3 FRE 6023, Economic Foundations in Finance, 3 FRE 6093 Quantitative Methods in Finance, 3 FRE 6103, Corporate Finance, 3 FRE 6123, Financial Risk Management & Asset Pricing, 3	\$1,027 per credit	The Polytechnic University's Department of Finance and Risk Engineering is a diversified degree granting department - the second in the US to provide the MS degree in Financial Engineering - providing a broadly based education in Finance and Risk Engineering. Our courses seek to bridge the gap between theoretical Finance and Applied Finance. The department's programs, research and extracurricular activities are designed to meet future challenges, and to provide the talent to financial services industries, traders, hedge fund managers, quantitative professionals as well as financial and risk managers with various degrees of specializations. The department's curriculum is designed to combine a rigorous vision of economics, finance and management with a practical appreciation of evolving global markets and the unfolding technological and financial changes in world markets. In addition, the department provides interdisciplinary certificates and opportunities to combine studies, such as computer science, mathematics, and engineering with financial management and risk engineering.	www.poly.edu/fe	Barry Blecherman, Deputy Chair, blecherman@poly.edu
Princeton University	Master in Finance Program Undergraduate Certificate in Finance	Benjamin Center for Finance	2001	Full Time	30 students enrolled for Fall 2008 FT	MS	Two year program - FT - standard length One year program is available on a case by case basis for mid-career candidates returning to their employer and advanced degree candidates who have job offers based on summer internships in finance	Applicants must be familiar at a minimum with the material in: MAT 200 (Linear Algebra and Multivariable Calculus) and in Probability and Statistics at the level of an introductory course such as ECO 200 (Statistics and Data Analysis for Economists) or ORF 246 (Fundamentals of Engineering Statistics). In addition, we are offering to all incoming MFin students a two-week refresher course in math prior to the beginning of classes in the Fall semester. This course is required. While the program does not require formal work experience as a requirement for admission, prior work experience can be a definite plus. At a minimum, we expect applicants to have completed one or more internships (or finished over the summer while in college).	The core courses of the Master in Finance provide students with analytical fundamentals of modern finance, both theoretical and empirical. The organization of the core courses is in effect for students entering the program in September 2003. Fall Semester ECO 362: Financial Investments FIN 501/ORF 514: Asset Pricing I: Pricing Models and Derivatives FIN 505/ORF 505: Modern Regression and Applied Time Series Spring Semester FIN 502: Corporate Finance and Financial Accounting FIN 503/ORF 515: Asset Pricing II: Stochastic Calculus and Advanced Derivatives FIN 504/ORF 504: Financial Econometrics	The cost of tuition and the required health plan fee for 2006-07 was \$34,000. The tuition charge covers all instructional services, 12-month use of the libraries, laboratory facilities, the gymnasiums, and University Health Services. The required student health plan fee covers the student for 12 months. The full tuition and required health plan fee is charged for all years of study at Princeton and is not reduced after two years of study as at many other institutions.	The interdisciplinary Benheim Center for Finance offers a Master in Finance degree. The distinctive feature of Princeton's Master in Finance program is its strong emphasis on financial economics in addition to financial engineering and computational methods. Graduates of our program have a solid understanding of the fundamental quantitative tools from economics theory, probability, statistics, optimization and computer science, all of which are becoming increasingly vital in the financial industry. To a greater degree than at any time in the past, there now exists a body of knowledge that is widely agreed to be essential for proper analysis and management of financial securities, portfolios and the financial decisions of firms. A driving force behind these developments is a lively exchange of ideas between academia and the financial industry, a collaboration that is the closest parallel in the social sciences to the academic-private sector interactions routinely seen in engineering and the applied sciences. The Master in Finance program is intended to prepare students for a wide range of careers both inside and outside the financial industry, including financial engineering and risk management, quantitative asset management, macroeconomic and	http://www.princeton.edu/bc/	Master in Finance Karen Neukirchen, Graduate Administrator neukirch@princeton.edu
Purdue University	MS in Mathematics, Specialization in Computational Finance MS in Statistics, Specialization in Computational Finance	Department of Statistics Department of Mathematics	1997	Full time for pure MS students Part time offered only for those who are Ph.D. students concurrently.	FT: 25-30 PT: 15-20	MS Ph.D. with emphasis on quantitative finance, concurrent with MS	FT: 2 Years PT: 3-4 Years	Strong undergraduate mathematics: e.g. advanced calculus, differential equations, real analysis, probability theory. For Statistics Comp Finance MS, undergraduate training in Statistics is desirable. Some background in quantitative business analysis is desirable. Proficiency in object-oriented programming (e.g. C++) is highly recommended. No previous work experience is necessary.	The near totality of students are supported as teaching or research assistants, which includes a stipend plus payment of all tuition fees.		Purdue's Computational Finance Program degrees are highly coordinated via their home departments, and share a minimum of 15 credit hours of common Computational Finance courses, on top of as many hours of standard courses that are specific to each department. Students with these degrees have the most advanced mathematical and statistical tools, the computational experience, and the financial knowledge that are the basis of today's quantitative investment finance industry, including derivative pricing, portfolio management, risk management, and their associated numerical methods.	http://www.stat.purdue.edu/purdue_comp_finance/	Statistics: graduate@stat.purdue.edu Mathematics: eberle@math.purdue.edu
Rensselaer Polytechnic Institute	MS in Financial Engineering and Risk Analytics	Lally School of Management and Technology		Full Time		MS	FT: 1 Year	Mathematical and Statistical Foundations for Finance	Financial Management Investments Options, Futures & Derivatives Financial Trading and Investing Risk Management	Full-time graduate tuition at RPI is \$34,900 per academic year.	The MS focused on Financial Engineering & Risk Analytics provides students with the knowledge and skills to respond to changes and challenges that characterize the fast-changing world of financial practices. Learn cutting-edge financial theory as well as advanced analytical techniques that are key to success as a financial expert. Students will be exposed to emerging concepts, theories and techniques in the finance industry through rigorous training in empirical research and modeling, using a variety of professional databases and computer software.	http://www.lallyschool.rpi.edu/files/progheets/msprog-05FERA.pdf	lallymba@rpi.edu

Name of University	Name of Program	Department that Hosts Program	Year Started	Full Time, Part Time, Both	Size of Program (FT/PT)	Degree Levels offered (BA, MA, MS, PhD)	Length of FT and PT Programs	Prerequisites	Core Requirements	Tuition	Brief Statement of Program Philosophy	Website	Admissions Contact
Rutgers, the State University of New Jersey	Master of Science in Mathematics with Option in Mathematical Finance	Mathematics	2006	Both	There are about 35 full-time students and 15 part-time students, with most courses offered in the evening to accommodate part-time students.	MS in Mathematics with Option in Mathematical Finance, PhD in Mathematics with research specialty in Mathematical Finance	Typically, the program is completed in 15 months by full-time students and part-time students are allowed to take up to 36 months. An accelerated program permits well-prepared full-time students to complete the degree in 12 months.	Multivariable calculus, Probability (calculus-based), Linear algebra, Differential equations, Advanced calculus (or engineering mathematics or partial differential equations), Computer programming	Students take 10 courses (30 credit hours) and complete a master's degree essay. There are 7 required courses: Mathematical Finance I, II, Numerical Analysis I, II, Regression Analysis, Methods of Statistical Inference, Applied Time Series Analysis. There are 2 strongly recommended electives: C++ Programming for Computational Finance and Numeric Methods, Computational Finance. Students can choose electives from Rutgers Business School and the Departments of Computer Science, Economics, Electrical and Computer Engineering, Mathematics, Operations Research, and Statistics.	The academic-year 2008-09 per-semester tuition for full-time students (12 or more credit hours) is \$9,408 for in-state and \$14,184 for out-of-state students; the academic year 2008-09 per-semester tuition rate for part-time students is \$784 for in-state and \$1,182 for out-of-state, per credit hour. Official tuition rates for the program are decided each year by the University Board of Governors shortly after July 15 and increase approximately 8% each year.	The degree integrates theoretical foundations with practical applications to derivative security pricing. Core courses are offered by the Departments of Mathematics and Statistics. Electives are offered by the Business School and the Departments of Computer Science, Economics, Electrical and Computer Engineering, and Operations Research. Graduate school surveys by US News & World Report and the National Research Council rank the graduate programs of the Departments of Mathematics and Statistics among the top 21 in the United States. The research expertise of the Mathematical Finance faculty includes financial modeling, numerical analysis, partial differential equations, probability theory, stochastic processes, and statistical analysis. Our program is shaped by the practical experience of the faculty at quantitative finance research groups at leading investment banks and hedge funds and by their contacts with the financial industry.	http://www.fimath.rutgers.edu	Ms. Ana Mastrogianni, Administrator for Mathematical Finance Program Email: fimath@tc.rutgers.edu Address: Department of Mathematics, Hill 348 Hill Center for Mathematical Sciences Rutgers, The State University of New Jersey 110 Frelinghuysen Road Piscataway, NJ 08854-8019 Telephone: (732) 445-3920 Fax: (732) 445-5530
Stanford University	Financial Mathematics	Statistics	1999	Full Time	40	MS	9-15 months	1. Linear algebra at the level of MATH 103 (Matrix Theory and its Applications), and Real Analysis (Advanced Calculus) at the level of MATH 115 (Functions of a Real Variable). 2. Basic Ordinary and Partial Differential Equations at the level of MATH 121 (Partial Differential Equations I), and MATH 132 (Partial Differential Equations II). 3. Probability at the level of STAT 116 (Theory of Probability), Theory of Statistics at the level of STAT 200 (Introduction to Statistical Inference), and Stochastic Processes at the level of STAT 217 (Introduction to Stochastic Processes) or preferably MATH 136/STAT 219 (Stochastic Processes). 4. Computer programming at the level of CS106A (Programming Methodology).	1. Stochastic Processes and Statistics: a. MATH 296 Introduction to Stochastic Differential Equations b. STAT 241 Statistical Modeling in Financial Markets 2. Differential Equations, Simulation and Computing: a. MATH 227 Partial Differential Equations and Diffusion Processes or STAT 362 Monte Carlo Sampling b. MATH 239 Computation and Simulation in Finance 3. Finance and Economics: a. Choose one: MATH 240 Topics in Financial Mathematics: Fixed Income Models or MSSE 242H Investment Science Honors b. MATH 238 (same as STAT 250) Mathematical Finance	\$34,800 minimum for 2007-2008	http://fimath.stanford.edu/	Amy Duncan Student Services Administrator Email: aduncan@stanford.edu Phone: (650) 723-1796	
Stevens Institute of Technology	Financial Engineering	School of Systems and Enterprises	2003	FT or PT	85	Graduate Certificate, MS	Certificate: 2-3 semesters MS: 4 semesters	Undergraduate Degree in Relevant Field and/or Introduction to Probability Theory, Introduction to Mathematical Methods, Computational Linear Algebra; Intro to Programming in C++, Introduction to Financial Engineering	Probability and Stochastic Calculus; Pricing and Hedging; Computational Finance; Portfolio Theory and Applications; Project or Master's Thesis in Financial Engineering	995.00 per credit	www.stevens.edu/sse	Ellen Hogarty, ehogarty@stevens.edu	
Tilburg University	Quantitative Finance and Actuarial Sciences	Dept of Econometrics and Operations Research	2003	Full Time	20-30	MSc	12 Months	Bachelor's degree in Economics or a comparable program offering high-level courses in mathematical analysis, linear algebra, probability, and statistics. Additional knowledge of economics, finance, and programming is desirable.	Choose four or five out of: Financial Models; Empirical Finance; Pension System Design; Dynamic Capital Investment; Issues in Finance and Insurance (6 ECTS each). Choose three or two electives (6 ECTS each). Master's thesis (18 ECTS).	Students from European Economic Area: 1620 euros. Non-EA students: 10296 euros. (2009 rates)	http://www.tilburguniversity.nl/prospectivestudents/masters/programmes/feb/dfa/	Applications are handled on the web; see http://www.tilburguniversity.nl/prospectivestudents/masters/programmes/feb/applicationprocedure_is/	
Tulane University	Master of Finance	Business	2002	Full Time	80 FT	BA/MS	14 months	Quantitative Courses	Financial Mgt., Acct. Corp. Finc. Policy, Options, Investments, Valuation, Financial statements, Modeling, Corporate Governance, Econometrics, Fixed Income, Ethics.	\$37,000	http://freeman.tulane.edu	mfin@tulane.edu Theresa Mysing	
Universidad Carlos III de Madrid	Master in Financial Analysis	Department of Business Administration	1995	Both	60 ECTS	Master in Financial Analysis. The University also offers BA, MBA and PhD Programmes	One year	The students must have a Bachelor's degree or a degree in Engineering or Architecture, preferably with some professional experience either in the Financial or Business sectors.	In order to obtain the Master's degree it will be necessary to fulfill two requirements: firstly, to complete the twelve modules of the Programme successfully and, in addition, to successfully complete the elective courses offered during the year or to write a complete research paper (Master Thesis) on matters dealt with in the program under the direction of one of the teachers.	9,000 euros	www.uc3m.es/mf	Master in Financial Analysis Universidad Carlos III de Madrid C/ Madrid, 126. Office 15.1 14 28903 Getafe (Madrid) - SPAIN Phone: +34 91 624 98 33 Fax: +34 91 624 58 75 E-mail: mfe@uc3m.es	
UNED, Universidad Nacional de Educación a Distancia.	Master in Stock Markets and Financial Derivatives Master en mercados bursátiles y derivados financieros.	Department of Applied Economics and Statistics Departamento de Economía Aplicada y Estadística	2001	Part time	60 ECTS credits	MA	1 year	University Degree	Knowledge of Spanish Language; Financial Mathematics, Mathematical Analysis and Statistics are necessary but the basics are taught in the Master.	1,500,00€ 200,00€ materials	http://www.uned.es/master-mercados-bursatiles/	Alfonso Herrero de Egaña alherro@cee.uned.es	
Universite du Quebec a Montreal-Ecole des sciences de la gestion	Maîtrise en finance appliquée	Finance		Both		MS					www.mfa.uqam.ca		
The University of Arizona	Master of Science in Management with a concentration in Finance (MMF)	Finance Department	2001	Both	Current class of 26 full-time and 4 part-time students	MS	FT - 1 calendar year (August to August) PT - normally 2 calendar years	Intermediate financial accounting Senior-level corporate finance and investments	Fixed Income Track: Investment Analysis of Income High-Yield Debt & Corporate Distress Derivatives and Risk Management Credit Risk Models Dynamic Interest Rate Modelling Plus: Two summer semester master's research project	\$30,500 out-of-state FT \$21,500 Arizona resident FT	http://finance.eller.arizona.edu/masters/	Key Ross Program Coordinator 520.621.1520 kross@eller.arizona.edu	
The University of California at Berkeley	Masters in Financial Engineering Program	The Haas School of Business	2001	Full Time	60 Students	MA	1 Year	Graduate Division Admissions Requirements Valid degree from an accredited institution, comparable to the 4 year Bachelor's Degree from Berkeley. Sufficient training to undertake graduate study in the chosen field. A satisfactory scholastic average, usually a minimum of 3.0 in upper division work. MFE Admissions Requirements Graduate Management Admission Test (GMAT) or the Graduate Record Examinations (GRE) General Test. A strong quantitative background including linear algebra, multivariate calculus, differential equations, numerical analysis and advanced statistics and probability. Prerequisite Course Chart Prior exposure in computer programming (C, C++ and familiarity with computers as a computational and management tool. Excellent writing, speaking and presentation skills (in English). MFE Admissions Recommendations Post University Work Experience Experience with statistical and econometric applications (Examples: SAS, Gauss, RATS, S-Plus, and Garch) Experience with mathematical tools. (Examples: MatLab, Mathematica, or MathCad.)	Fundamentals of Financial Economics Empirical Methods in Finance (3 units) Introduction to Stochastic Calculus (2 units) Financial Institutions Seminars Derivatives: Economic Concepts (2 units) Derivatives: Quantitative Methods (2 units) - Do Fixed Income Markets (2 units) Accounting and Taxation of Derivatives (1 unit) Financial Institutions Seminars	\$49,500	http://mfe.haas.berkeley.edu	Christina Henri Phone: 510 642 44 17 Email: mfe@haas.berkeley.edu	
University of California, Los Angeles	Master of Financial Engineering	UCLA Anderson School of Management	2009	Full Time	60 students	Master	One Year	A candidate for admission to the MFE Program must hold at least a four-year bachelor's degree from a college or university of fully recognized standing. The GMAT or GRE test is required. A candidate should have a strong quantitative background which includes linear algebra, multivariate calculus, differential equations, numerical analysis, and advanced statistics and probability. Experience in computational programming and familiarity with computers as a computational and management tool is required, as well as excellent writing, speaking, and presentation ability in English.	Fundamentals of Corporate Finance and Accounting, Fundamentals of Investments, Introduction to Stochastic Calculus and Derivatives, Derivatives Markets, Empirical Methods in Finance, Fixed Income Markets, Computational Methods in Finance, Quantitative Asset Management, Financial Risk Measurement and Management, Asset-Backed Security Markets, Credit Markets, Applied Finance Project	\$50,000	http://www.anderson.ucla.edu/x17276.xml	mfe@anderson.ucla.edu (310)825-3103	
University of Cambridge	Master of Finance	Judge Business School	2008/09 subject to final permission in Autumn 2007	Full Time Only	approx. 40	Mfin	10 months	At least two years work experience in finance related field	At least 2.1 from a university of high recognition	Four core courses in fundamentals of finance theory, capital markets, accounting and financial analysis and financial products. Seven electives in specialist areas of finance. Two group projects and one individual project.	The program is intended to equip academically strong and highly motivated candidates to accelerate their career in finance and to get excellent jobs in investment banks, hedge funds, asset managers and other financial institutions.	www.jbs.cam.ac.uk/programmes/master_finance/index.html	Admissions process expected to begin mid-November 2007
University of Connecticut	Master of Science in Applied Financial Mathematics	Mathematics	2003	Full Time Design Part Time Allowed but Scheduling is Difficult	16 FT/ 1 PT	MS	FT: 2 Years PT: As Scheduling allows	Undergraduate GPA at least 3.0 (average admitted GPA 3.75) GRE general test (median admitted score of 800 on quantitative section) 4 semesters of undergrad calculus, 1 of linear algebra, 1 of mathematical probability/statistics TOEFL for non-English first language	Elementary Bond Pricing, Corporate Finance Models, Binomial Options and Derivatives, Stochastic Financial Calculus, Yield Curve Models, Securities Analysis and Portfolio Management, Options and Derivatives Management, Statistical Computing, Practical Internship, Independent Exit Project	2007-08 per semester \$11,767 out-of-state students, \$5,026 in-state students.	www.financialmath.uconn.edu	Administrator, Sharon McDermott sharon@math.uconn.edu Director, James Bridgeman bridgeman@math.uconn.edu	
University of Dayton	Master of Financial Mathematics	Mathematics	2004	Both	FT - 10, PT - 3	MFM	FT: 2 years or less	Completion of a graduate application for admission to a graduate program at the University of Dayton Bachelor's degree in a science or technical area such as mathematics, physics, computer science, engineering, economics, or finance, and at least a 3.0 GPA on a 4.0 scale Prerequisite mathematics coursework in calculus, differential equations, linear algebra, elementary probability, and statistics Programming skills	Introductory Course in Partial Differential Equations (waived if you have sufficient background in methods of applied mathematics. Introductory Course in Financial Analysis & Markets (waived if you have sufficient background in finance. successful completion of 15 credit hours (5 courses) of required mathematics course work at the graduate level; successful completion of 3 credit hours (1 course) of required finance course work at the graduate level; successful completion of 6 credit hours (2 courses) from broad set of elective courses; three credit hours devoted to a capstone project requirement in the Mathematics Clinic (MTH 541); minimum 33 credit hour (11 courses) requirement	\$668 per credit hour	http://academic.udayton.edu/FinMath/	Paul Eloe, Ph.D. Graduate Program Director Master Financial Mathematics Paul.Eloe@notes.udayton.edu	
University of Exeter	MSC in Finance and Investment MSC in Financial Analysis and Fund Management MSC in Financial Management MSC in Accounting and Finance MSC in Financial Mathematics	XII Centre for Finance and Investment		Full Time		MSC, PhD	9 months and 12 months	Good first degree in business related subject		At Exeter the teaching approach is very pragmatic, with simulations of global financial markets being a component of most modules. A close association with the CFA Institute, the global membership organisation that awards the Chartered Financial Analyst designation, means that XII, the Centre for Finance and Investment, is positioned to align its standards with the highest level of professional excellence.	Finance is a modern and fascinating discipline dealing with money, markets and valuation. It is relevant to all aspects of business, personal and professional planning, and is concerned with the relationship between investor expectations about the future and current market values. As a finance student at University of Exeter, you will begin to understand what makes financial markets work, and how to survive within them. Some of the questions you will learn to answer are: Is it better to raise money with shares (equity) or debt (bonds)? Why do stock markets crash? What can savers and borrowers do to hedge against volatile financial markets?	http://sofe.ex.ac.uk/postgraduate/finance.php	James Hewson@exeter.ac.uk
University of Geneva, Lausanne and Neuchâtel	Master of Science in Finance	Finance Department	1990 under the name Master of Banking and Finance.	Full Time	45	MS	2 years	BA in Economics or Management or an engineering degree	A good quantitative background such as knowledge of econometrics, statistics and mathematics. Notions of micro and macroeconomics as well as of accounting. Foundations in Finance welcome.	1200 Swiss Francs	http://www.hec.unil.ch/mscf/Welcome	http://www.hec.unil.ch/hec/masters/contacts	
University of Hawaii	Financial Engineering	Shidler College of Business	2009	mainly full time	max 35 students	Master in Science of Financial Engineering	1 year	Undergraduate degree, preferable in a quantitative fields as math, CS, engineering, finance	Good quantitative GRE score Good undergraduate grades Work experience preferred	\$19,000 for US citizens \$25,000 for non-US citizens	www.mfe.shidler.hawaii.edu	villarr@hawaii.edu	
The University of Hong Kong	Masters of Finance	School of Economics and Finance	2001	Both	Annual intake is 100+ including FT and PT	Master	FT: 1-2 Years PT: 3-4 Years	N/A	1) Possesses a good Bachelor's Degree from a recognized university. 2) Have at least 2 Years of Post-Graduate work experience. 3) Obtain a TOEFL score if you are not from an English teaching university.	HK\$120,000 for 2007-2008 academic year	http://www.fbe.hku.hk/programs/mfm/	Tel: (852) 2859 1001 E-mail: hkuinf@fbc.hku.hk	
University of Illinois at Urbana-Champaign	Master of Science in Finance (MSF)	Finance	1958	Full Time	118 Full Time	MS	Full Time, 12 Months	BS or BA degree, relevant work experience, appropriate scores on GMAT	Finance or business related background, or strong analytical background	\$40,713(2007-2008)	http://www.business.uiuc.edu/msf/default.aspx	MSFinance@cba.uiuc.edu	
Université Laval Quebec, QC, Canada	M.Sc. Financial Engineering	Department of Finance and Insurance Faculty of Administrative Sciences Laval University Quebec, (Quebec) Canada, G1K 7P4	1999	Both	10 FT 5 PT	MSC, PhD	18 months for FT 36 months for PT	This program is mainly addressed to anyone holding an undergraduate or graduate degree in administration, economics (quantitative), science and engineering, mathematics, statistics and actuarial science. No need for refresher courses in administration sciences. Candidates who do not possess a sufficient undergraduate background in statistics and probabilities, linear algebra, differential and integral calculus, and computer programming and numerical analysis must complete these prerequisites to be eligible for this program. Other than these requirements, success in the program is based on the student's ability to read English-language texts and his mathematical and programming skills.	Probability Models in Management Financial Theory Capital Markets and Portfolio Management Derivatives Numerical Methods for Partial Derivatives Equations Stochastic Simulations and Applications in Finance Financial Econometrics Seminar in Research Methodology Thesis or Thesis-Internship Empirical Finance Continuous-Time Finance Financial Risk Management	http://www.fsa.ulaval.ca/droitsscolaires/calcul_eur_droits.htm	The program combines both courses at Master and Ph.D. level in mathematics, statistics and numerical methods as well as in modern finance and econometrics.	http://www.fsa.ulaval.ca/gcp/0274	Direction des programmes de deuxième et troisième cycles Faculté des sciences de l'Administration Pavillon Canada-Price, bureau 1450 Québec (Québec) G1V 0A6 CANADA Téléphone : 418 656-7325 Télécopieur : 418 656-2624 DDT/CA@fsa.ulaval.ca Conseillère en gestion des études: Marie-Josée Samson Téléphone : 418 656-5070 Marie-Josée Samson@fsa.ulaval.ca Academic Advisor VanSon Lai Téléphone : 418 656-2131, poste 3943 VanSon.Lai@fsa.ulaval.ca

Name of University	Name of Program	Department that Hosts Program	Year Started	Full Time, Part Time, Both	Size of Program (FT/PT)	Degree Levels offered (BA, MA, MS, PhD)	Length of FT and PT Programs	Prerequisites	Core Requirements	Tuition	Brief Statement of Program Philosophy	Website	Admissions Contact
University of Leicester (UK)	MS Financial Mathematics and Computation	Department of Mathematics	2005	Both	20 FT	MSc	FT: 12 Months PT: Two Years	The entry requirements are at least a good second class honours BSc degree in physics, engineering or mathematics. In general, it is expected that a student has a solid background in mathematics (calculus, linear algebra, ordinary differential equations, basics of probability and statistics). Because applications are treated on an individual basis, alternative qualifications, including relevant work experience, may be considered. A candidate for admission whose first language is not English must have a qualification in the English language before he/she can be admitted to the programme. A student whose first degree studies were taken at a university in an English-speaking country need not possess one of these qualifications, provided an academic referee is able to confirm proficiency in English.	A good second class honours BSc degree in physics, engineering or mathematics; alternative qualifications, including relevant work experience, may be considered.	About 10,500 GBP for overseas students about 6, 000 GBP for UK/EU students	Financial Mathematics is an application of mathematical methods to financial markets and risk management, using advanced computer technology to predict the behaviour of the markets and suggest strategies for investment. M.Sc. in Financial Mathematics and Computation at Leicester is designed to provide a mature understanding of financial mathematics and computer science. The focus of the course is on quantitative finance, in particular on mathematical modelling and on mathematical and economic theories of finance. The course is mainly a result of the collaboration between the Mathematics and Economics Departments, both very strong in research and teaching, with a valuable input from the Computer Science Department and Management Centre.	http://www.math.le.ac.uk/CFMMS/Cfmmac.html	email: mscfrn@mcs.le.ac.uk Postgraduate Administrator Department of Mathematics University of Leicester University Road Leicester LE1 7RH UK Tel: +44(0)116 223 1793 Fax: +44 (0)116 223 1093
University of Michigan	Financial Engineering	College of Engineering	1997	Full Time	48	MS	3.5 Terms			non resident: \$56,252 for the program resident: \$30,105 for the program	This program provides basic training in quantitative finance, with a focus on asset pricing, asset allocation and risk analysis. We don't assume all markets to be complete, and we give good grounding in statistics. We develop the the mathematics both of the buy side and of the sell side. We also emphasize insurance products, and commodities. We offer evening courses and the possibility of one-year completion. This program is significantly more mathematical than an MBA. It is intended for those with a strong interest in the mathematics of finance, "not" for those who are interested in finance, and are willing to learn math as necessary.	http://interpro.engin.umich.edu/~fep	fep@umich.edu
University of Minnesota	Master of Financial Mathematics	School of Mathematics	2007	Both	54 students (not tracking FT vs PT, but approx half are working students)	Master's	1-5 Years	One full year of calculus is sufficient to enter our preparatory course sequence. "Business calculus" or "short calculus" are insufficient. The application process is competitive and a single year of calculus does not, by itself, guarantee admission. The preparatory course sequence provides background needed for the rest of our courses.	We have four course sequences, all of which are required for the degree. They include a programming/presentation sequence, and three other course sequences, which range from theoretical to practical. Details are on our website http://www.math.umn.edu/finmath/courses	Currently \$500 per credit, expected to increase quickly. Current minimum cost for the entire program is \$15,000 (for 30 credits).	The program provides basic training in quantitative finance, with a focus on asset pricing, asset allocation and risk analysis. We don't assume all markets to be complete, and we give good grounding in statistics. We develop the the mathematics both of the buy side and of the sell side. We also emphasize insurance products, and commodities. We offer evening courses and the possibility of one-year completion. This program is significantly more mathematical than an MBA. It is intended for those with a strong interest in the mathematics of finance, "not" for those who are interested in finance, and are willing to learn math as necessary.	http://www.math.umn.edu/finmath/	"Scott Adams" <cmfmath@math.umn.edu>
University of New South Wales	Master of Financial Mathematics	School of Mathematics and Statistics	2007	both	15-20 FT 15 - 20 PT	MASTER OF FINANCIAL MATHEMATICS	1.5 YEARS FOR FT 3 YEARS FOR PT	To enter the Master of Financial Mathematics program, students must have * completed a Mathematics or Statistics degree in a Science and/or Mathematics program, or a degree in a related area, * sufficient mathematical/statistical background, and an average above 65% in the relevant level III courses; and * shown some evidence of the ability to undertake independent study	* MATH5335 Computational Methods for Finance * MATH5816 Continuous Time Financial Modelling * MATH5835 Stochastic Processes * MATH5955 Discrete Time Financial Modelling * MATH5975 Intro to Stochastic Analysis * MATH5985 Term Structure Modelling * MATH5001 Project (over two consecutive semesters) or Math 5925 Project (one semester)	For international students: http://www.international.unsw.edu.au/fe/ure/fees/feeshome.html For local students: https://my.unsw.edu.au/student/fees/CSP/G.html	The program is intended for students who have completed a Mathematics or Statistics degree in a Science and/or Mathematics program, or a degree in a related area, and who wish to further their knowledge of mathematical finance and statistics. The program offers intensive, high-level training in principles of financial modelling and its mathematical foundations, statistical techniques, risk assessment, and computational techniques of financial mathematics. The program was introduced in 2007 in order to provide students with a route to high quality careers in the financial industry and to provide the financial sector with a stream of highly trained specialists in Quantitative Finance.	http://www.maths.unsw.edu.au/statistics/study/mfin.html	DR DONNA MARY SALDERS POSTGRADUATE COURSEWORK COORDINATOR SCHOOL OF MATHEMATICS AND STATISTICS UNSW SYDNEY, NSW 2052 EMAIL: pg.MathsStats@unsw.edu.au phone: 61 2 9385 7030
University of Reading	MSc Financial Engineering	ICMA Centre	2008	Full-time only in 2008. From 2009 it will also be available on a flexible and distance learning basis.	15	MSc	10 months full-time 18 months flexible learning 24 months distance learning	Undergraduate Degree: Minimum 2:1 or the equivalent from an overseas institution. Degree Discipline: Any, but applicants must have a very good level of numeracy. Mathematical and engineering degrees are preferred. GMAT (Graduate Management Admissions Test): We recommend that all applicants submit a GMAT score, particularly if they have been out of education for more than a few years. We may ask you to submit a GMAT score before considering your application if we think it appropriate in your individual case. For information on the GMAT and the location of test centres worldwide, please visit www.mba.com .	Undergraduate Degree: Minimum 2:1 or the equivalent from an overseas institution. Degree Discipline: Any, but applicants must have a very good level of numeracy. Mathematical and engineering degrees are preferred. GMAT (Graduate Management Admissions Test): We recommend that all applicants submit a GMAT score, particularly if they have been out of education for more than a few years. We may ask you to submit a GMAT score before considering your application if we think it appropriate in your individual case. For information on the GMAT and the location of test centres worldwide, please visit www.mba.com .		www.icmcentres.ac.uk/fe	Samantha Heslop, Admissions Officer. Tel: +44 (0)118 378 8239 Email: fe@icmcentres.ac.uk	
University of Southern California	Professional Master of Science in Mathematical Finance	Department of Mathematics and Department of Economics	1999	Full Time	35-40	MS	18 Months (Full Time)	A substantial undergraduate background in mathematics is required, which should include at least one semester of real analysis or advanced calculus, one semester of linear algebra and a calculus based course in Probability Theory. An undergraduate knowledge of microeconomics and/or econometrics is helpful, although not required. Some experience in Matlab and C/C++ programming is also useful.	The students are required to take at least 30 credit hours of courses from the Departments of Mathematics, Economics, and Marshall School of Business. A standard allocation would be 12 credits each from Math Department and Econ Department and 6 credits from the Business School. The courses include Stochastic Calculus for Finance, Mathematical Finance, Finance Informatics and Simulation, Economics of Financial Markets, Economic and Financial Time Series, Investment Analysis and Portfolio Management, Management of Financial Risk, Mortgage Backed Securities and Markets, Fixed Income Securities, and various course in Statistics and Numerical Methods.	\$1,150 per credit (30 credits required).	The USC Mathematical Finance Master Program is an independent program inside the College of Letters, Arts & Sciences, sponsored by the Department of Mathematics and Department of Economics. The program aims to produce graduates with rigorous foundation in mathematical modeling and economics of financial markets. The students are required to complete 30 credit hours within 18 months, and are expected to possess the basic knowledge in derivative pricing, portfolio management, risk management, and numerical skills, and are ready to start a career in the quantitative finance industry.	http://www.usc.edu/dept/LAS/CAMS/MF/	Amy Yung, Department of Mathematics University of Southern California Los Angeles, CA 90089-2532 Te (213) 740-8168 Fax (213) 740-2424 amy@usc.edu
University of Toronto	Mathematical Finance Program	n/a	1998	Full Time	30 Full Time	Master of Mathematical Finance (MMF)	12 Months	Equivalent of a four-year University of Toronto bachelor's degree in a quantitative, technical discipline from a recognized university, with a minimum of the equivalent of the University of Toronto mid-B standing in the final two years of their program. They should show evidence of strong mathematical ability and good communication skills.	Advanced Mathematics and Statistics	CDN\$36,000+	Applied mathematics in business is as demanding and interesting as it is in the sciences, engineering or technology. You could find yourself managing risk in multimillion-dollar institutional investment portfolios. You may end up using advanced mathematics to manage sophisticated hedge funds and portfolios of complex derivatives. After graduation, your job could be assessing risk in a bank's portfolio of commercial loans or developing original software applications which automate financial management. You don't need to know anything about finance - we'll teach it to you. And much of the math will be familiar to you. But much will stretch you. There have been Nobel Prizes already granted for advanced work at the leading edge of financial mathematics.	http://www.mmf.utoronto.ca/	math.finance@utoronto.ca (416) 946 - 5206
University of Warwick	MSc Financial Mathematics	Warwick Business School, Mathematics Institute and Departments of Statistics and Economics	1998	Full Time	40	MSc	One Year	Warwick Business School, Mathematics Institute and Departments of Statistics and Economics	Warwick Business School, Mathematics Institute and Departments of Statistics and Economics		Many countries' financial sectors have enjoyed unparalleled expansion over the past decade and opportunities have emerged for careers in numerous areas of the financial system. With the integration of financial markets in Europe and elsewhere new job opportunities are appearing all the time. Within the manufacturing and service sectors of economies, financial analysis is becoming increasingly technical and the range of alternative financial instruments available to firms is expanding rapidly. There is increasing demand for employees with an understanding of the new tools and the ability to apply them. Graduates with an MSc in Financial Mathematics from Warwick are in high demand in the City or in the capital markets of their own country as Equity Research quantitative analysts, Fixed Income quantitative analysts, Derivatives Strategists and Financial Engineers	http://www2.warwick.ac.uk/fac/cross_fac/financial_math/	Tel: +44 (0)24 7652 4246 Email: postgrad@maths.warwick.ac.uk
University of Westminster	MSc in Investment and Quantitative Finance	Finance and Business Law	1999	Both	50	MSc	FT is one year and PT is two years	Sound background in a numerate subject. Should hold a first degree from a recognised institution (minimum 2.2) or its international equivalent.			www.wmin.ac.uk course link is: https://rs211live.wmin.ac.uk/lpp/0027PQFN.htm	Dr H.Thapar	
University of Waterloo	Master of Quantitative Finance	Mathematics	1995	Full Time	15-20 students	Master of Quantitative Finance	course work option 3 terms, 1 work term	A four-year honours degree (or equivalent) in a quantitative discipline with at least an 80% average. Strong analytical skills and ability to handle rigorous mathematical analysis. Superior verbal and written communication skills. General knowledge of the finance area, and demonstrable interest in current developments	The course work option consists of 1 elective and 8 required courses: Financial Economics, Theory of Probability, Econometrics, Stochastic Interest Rate Models, Estimation and Testing, Stochastic Calculus, Methods and Tools of Risk Management, Economic and Computer Intensive Methods. The thesis option consists of four required courses and the completion of a Research Thesis.	\$ 3500 per term for domestic and international students	The Master's program in finance at Waterloo provides an ideal foundation for a career in quantitative finance or possibly for further study towards a PhD in this discipline. Reflecting the program's interdisciplinary nature, faculty come from mathematics, statistics, computer science, engineering, finance and economics. Our admission standards are extremely high and the workload very demanding. Nevertheless, if you are highly motivated, have excellent analytic, mathematical and communication skills, and want to learn more about the rapidly expanding field of quantitative finance, you should consider applying.	http://www.mfinance.ca/	Program Coordinator Ms. Mary Flatt mflatt@waterloo.ca Telephone 519-888-4567 ext. 35728
University of York	MSc in Mathematical Finance	Department of Mathematics	2005	Both	FT: 57 PT: 2	MSc	Full time: 12 months Part time: 24 months	Sufficient background in mathematics required, background in finance desirable	Good honours undergraduate (BSc) degree in a discipline with a substantial mathematics content.	Weekly seminars for each module.	http://maths.york.ac.uk/www/MScfinMscmathfin	Graduate & Research Secretary, Department of Mathematics, University of York. Email: mathsg-graduate-admissions@york.ac.uk. Tel: +44-1904-333097 or Prof. Tomasz Zastawniak, Director of Mathematical Finance Programmes, tz506@york.ac.uk	
Vanderbilt University	MS Finance	Owen Graduate School of Management	Fall 2005	Full Time	Current class is 31	MS	9 Months (August-May)	Strong academic performance (> 3.0 GPA) in prior university studies with a significant level of quantitative training in mathematics and statistics. At a minimum, it is expected that students will have completed one year of calculus as well as courses in statistics.	Application requirements: Online Application Form Undergraduate Transcript Graduate Transcript (if applicable) GMAT or GRE score Essay Question Two Letters of Recommendation Resume Interview	Tuition (for 2007-08): \$37,834.00	Today, financial analysis skills are valued more than ever. Firms across all industries demand knowledgeable, well-trained individuals with finely-tuned quantitative skills and expertise. The Vanderbilt Master of Science in Finance is a challenging, nine-month program designed specifically to meet the needs of today's businesses. Taught by Owen's world-class finance faculty, the rigorous core curriculum is combined with MBA electives, allowing you to customize your education to your goals. If you are an analytically inclined individual with either an undergraduate degree in a math-intensive field or relevant work experience, the Vanderbilt MS Finance can provide the credential and the skills to open the right doors to a career in finance.	http://www.owen.vanderbilt.edu/vanderbilt/Programs/msfinanc/e/	msfinance@owen.vanderbilt.edu or 615-343-6109
Vienna University of Technology	Bachelor and Master studies "Financial and actuarial mathematics"	Institute for Mathematical Methods in Economics, Research Group "Financial and Actuarial Mathematics"	2002		B.Sc.: 147 total, M.Sc.: 49 total	B.Sc., M.Sc.	B.Sc.: High school M.Sc.: mathematical B.Sc. from the Vienna University of Technology, or a similar mathematical degree from other universities (will be decided on a case-by-case basis)	B.Sc.: High school M.Sc.: mathematical B.Sc. from the Vienna University of Technology, or a similar mathematical degree from other universities (will be decided on a case-by-case basis)	B.Sc.: High school M.Sc.: mathematical B.Sc. from the Vienna University of Technology, or a similar mathematical degree from other universities (will be decided on a case-by-case basis)	377€ per Semester (standard fee for any Austrian University)	The aim of the studies is to train highly qualified financial mathematicians, who can take on leading positions at all levels of management, research and development and at universities. The B.Sc.+M.Sc. studies also fulfill the course requirements for the Actuarial Association of Austria.	http://www.fam.tuwien.ac.at/ehre/plaene.php http://www.fam.tuwien.ac.at/ http://fsmat.at/tiki-index.php?page=info	Fachschaft Mathematik (Mathematics student union) provides help for (future and current) students: http://fsmat.at/tiki-index.php?page=kontakt
Wits University	Maths of Finance	School of Computational and Applied Maths	1997	Full Time	20-25 Students	Honours, MSc, PhD	Honours - 1 year FT MSc - 2 years FT PhD - 3 years FT	Undergraduate in Mathematics, Applied mathematics, Computer Science, Actuarial Science or Statistics	Should have at least a basic understanding of statistical techniques. Because of demand, entrance to the programme is on the basis of prior academic achievement. Consequently, the most important entrance criterion is the result of the last degree completed by the applicant.	Advanced Mathematics of Finance is a demanding professional degree, designed for students who have a strong mathematical undergraduate degree and are interested in financial markets	http://web.wits.ac.za/Academic/Science/CAM/Mfinance	Mrs Z Govar zahn.govar@wits.ac.za	
Worcester Polytechnic Institute	Professional Science Master's Degree in Financial Mathematics	Dept. of Mathematical Sciences	2001	Both	8 FT / 5 PT	Professional Master in Science	FT is a 2 year program	A bachelor's degree in the sciences, mathematics, or engineering is required. Experience with undergraduate advanced calculus / real analysis is also required.	6 Credits: MA 503 Analysis I or MA029 Stochastic Processes MA 540 Probability and Mathematical Statistics 12 Credits: 4 of the 5 Financial Math Courses: MA 571 Financial Mathematics I MA 572 Financial Mathematics II MA 573 Computational Methods of Financial Mathematics MA 574 Portfolio Valuation and Risk Management MA 575 Market and Credit Risk Management 3 Credits: 1 Math Elective 6 Credits: 6 credit block in complementary areas outside of the Mathematical Sciences Department: Financial Management, Information Technology, or Computer Science. 3 Credits: Master's Project	\$1,089 per credit hour	The Professional Master of Science in Financial Mathematics Program offers an efficient, practice-oriented track to prepare students for quantitative careers in the financial industry including banks, insurance companies, investment and securities firms. The program gives students a solid background and sufficient breadth in the mathematical and statistical foundations that are needed to understand the cutting edge techniques of today and to keep up with the future developments of this rapidly evolving area over the span of their careers. It also equips students with expertise in quantitative financial modeling and the computational methods and skills that are used to implement the models. The mathematical knowledge is complemented by studies in financial management, information technology and/or computer science.	http://www.wpi.edu/Academics/Depts/Math/Grad/financial.htm	Marcel Blain <mblain@wpi.edu>
York University Schulich School of Business	Financial Engineering Diploma (Stand Alone) Financial Engineering General Concentration Post MBA Diploma in Advanced Management	Financial Engineering	1998	Full Time/Part Time	35 students Full Time 35 students Part Time	MA, PhD	3 Semesters	Eligibility Criteria - must be approved by the Program Director based on: undergraduate degree successful completion of most of the following undergraduate courses: Microeconomics Calculus 1 & 2 - single and several variables Statistics and Probability Linear Algebra Foundations of Computer Science			www.yorku.ca/fineng	For information about admission requirements and tuition for the MA in Math and Statistics please contact York Admissions: http://www.yorku.ca/admission/graduate.asp admissions@yorku.ca For more information about admission requirements and tuition for the MBA Program and/or the Stand Alone Graduate Diploma please contact Schulich Admissions: admissions@schulich.yorku.ca MBA Program http://www.schulich.yorku.ca/syb-extra/mba.nsf Stand Alone Diploma http://www.schulich.yorku.ca/financialengineering/standalone	
University of Illinois - Champaign	Master of Science in Financial Engineering (MSFE)	The Department of Finance in the College of Business, and the Department of Industrial and Enterprise Systems Engineering in the College of Engineering	2010								http://www.msfe.illinois.edu		

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