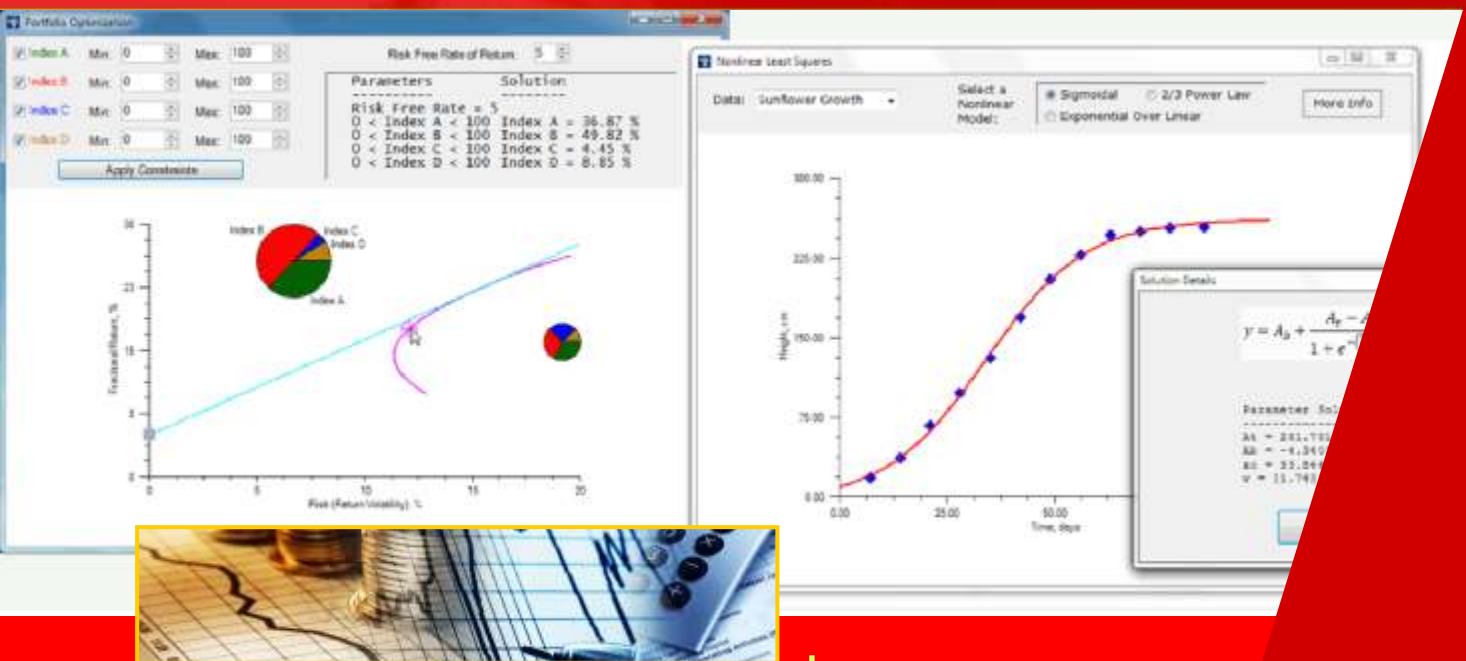




IICSE University
...a liberal arts education

MS in Financial Risk Management and Applied Statistics Graduate Program

Master of Science in Financial Risk Management and Applied Statistics (MS)



MS

**FINANCIAL RISK
MANAGEMENT AND
APPLIED STATISTICS**

Corporate organizations, businesses and governments are increasingly dependent on data-driven decision making to direct not only their long-term strategic planning, but also their day-to-day tactical decisions.

The "Master of Science in Financial Risk Management and Applied Statistics" from the IICSE University provides students with the skills and professional credentials needed to succeed in data-driven decision making and planning careers in fields such as Finance, Marketing, Manufacturing, Healthcare, and Public Policy. It also prepares students who wish to pursue a Ph.D. in Statistics or Risk Management for further graduate study. The program will equip you with the quantitative and technology skills, knowledge, and experience that investment management firms, insurance companies, hedge funds, and financial technology developers are looking for.

Students in the program study probability theory, statistical inference and advanced statistical and computational methods tailored to financial applications and risk management. They also receive supportive education in related financial concepts and market structure, operations, trading instruments and risk-related regulation.

Our commitment is to ensure students are equipped to solve the complex problems financial institutions face today.

www.iicseuniversity.org



The Program Structure:

Course Code	MS: First Semester Courses	Credit
FIN 801	Service Operations Management	5
FIN 802	Performance Management	5
STA 803	Linear Algebra	5
STA 804	Introduction to Probability Theory	5
STA 805	Computer Programming	5
FIN 806	Financial Market	5
TOTAL CREDITS		30
Course Code	MS: Second Semester Courses	Credit
STA 811	Statistics Inference	5
STA 812	Applied Stochastics Processes	5
STA 813	Algorithms	5
STA 814	Biostatistics	5
STA 815	Theory of Sampling	5
STA 816	Multivariate Analysis	5
TOTAL CREDITS		30
Course Code	MS: Third Semester Courses	Credit
FIN 821	Advanced Financial Analysis	5
FIN 822	Management Accounting and Control	5
STA 823	Theoretical Computer Science	5
STA 824	Time Series Analysis	5
STA 825	Distribution Theory	5
FIN 826	Investment Theory	5
TOTAL CREDITS		30
Course Code	MS: Fourth Semester Courses	Credit
FIN 831	Advanced Corporate Finance	5
FIN 832	Portfolio Management	5
STA 833	Advanced Probability	5
STA 834	Statistics Techniques in Data Mining	5
FIN 835	Advanced Financial Accounting	5
STA 836	Master Thesis	5
TOTAL CREDITS		30

The thesis

A thesis on a particular topic of your choice (with a Supervisor's approval) will be completed by each student in the last semester. There is considerable scope in the choice of subject areas by the student and the research method employed. Each student is allocated a supervisor who guides them through the thesis. The thesis aims to assimilate the theoretical and practical elements of the academic program of study.

Duration of program: A Semester runs for a period of three months. Our "Master's Degree" programs are completed within the period of four semesters (one year). We allow extension in the period of study, in case your courses could not be completed within the stipulated time frame. No additional fee, no extra charge for extension in the period of study.

How to apply

Prospective student must complete the Admission Form and pay the processing fee of \$45 USD or its equivalent. The processing fee is refundable if admission is denied.



Applications for the program:

Applications for this program are made online by going to www.iicseuniversity.org/apply.html

